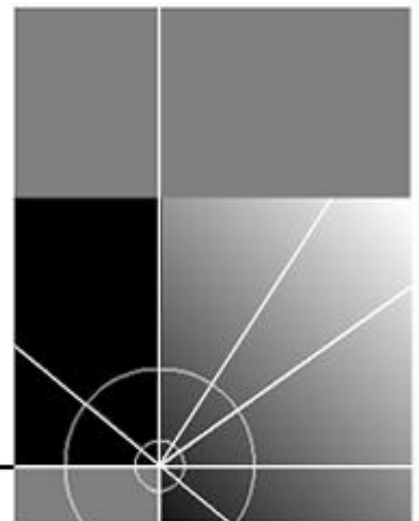




# NBX<sup>®</sup> System Planning Guide

**Release 4.1:**

- SuperStack 3 NBX
- NBX 100



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# CONTENTS

|  |    |
|--|----|
| Contact Information                        | 5  |
| Carrier Information                        | 5  |
| Preliminary Information                    | 6  |
| Site Survey                                | 6  |
| Digital Line Card Provisioning             | 9  |
| Digital Lines                              | 12 |
| Digital Line Spans                         | 14 |
| Digital Line Groups                        | 16 |
| Class of Service                           | 18 |
| Business Hours (Time of Day Service Modes) | 22 |
| Hunt Groups                                | 23 |
| Calling Groups                             | 25 |
| Call Pickup Groups                         | 25 |
| Dial Plan                                  | 26 |
| Peripheral Devices                         | 30 |
| CO/Telephone Exchange Lines                | 31 |
| Button Mapping Groups                      | 33 |
| User Configuration                         | 37 |
| 911 User Configuration                     | 41 |
| Automated Attendant                        | 45 |
| Automated Attendant — Closed/Holiday Hours | 47 |
| Voice Mail                                 | 53 |
| Notes                                      | 53 |

# PREFACE

This form is designed to help 3Com NBX partners gather information that they can use to facilitate the installation of the 3Com SuperStack® 3 NBX Networked Telephony Solution 3Com® and the NBX® 100 Communications System. Completing this form may spur questions that enable you and your client to configure the system in the most useful manner for the client. In addition, you can use the completed form as a record for you and the client.

## **Distribution Medium**

This guide is available in both Microsoft Word and PDF format on the *NBX Resource Pack CD*. The free Adobe® Acrobat® Reader for reading the PDF file is on the *NBX Resource Pack CD*.

## **Comments**

Your feedback is important to us. Please e-mail all comments and suggestions about this guide to:  
[nbx\\_techpubs\\_comments@ne.3com.com](mailto:nbx_techpubs_comments@ne.3com.com)

|                            |
|----------------------------|
| <b>Contact Information</b> |
|----------------------------|

|                       |
|-----------------------|
| <b>Customer</b>       |
| Client Name:          |
| Contact Name:         |
| Installation Address: |
| System Administrator: |
| Telephone Number:     |
| Fax Number:           |
| E-mail Address:       |

|                   |
|-------------------|
| <b>Dealer</b>     |
| Dealer Name:      |
| Contact Name:     |
| Address:          |
| Telephone Number: |
| Fax Number:       |
| E-mail Address:   |

|                            |
|----------------------------|
| <b>Carrier Information</b> |
|----------------------------|

|  |
|--|
| <b>Local Service</b>   |
| Carrier:   |
| Contact Name:  |
| Telephone Number:  |
| Fax Number:  |
| Billing Number:  |
| Any additional lines being added? Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Types of lines being added: Loop start <input type="checkbox"/> Ground start <input type="checkbox"/> T1/PRI <input type="checkbox"/> E1/PRI <input type="checkbox"/> BRI-S/T <input type="checkbox"/> |
| New PSTN connection installation date:   |

|                              |
|------------------------------|
| <b>Long-distance Service</b> |
| Carrier:                     |
| Contact Name:                |
| Telephone Number:            |
| Fax Number:                  |
| Account Number:              |
|                              |

## Preliminary Information

|  |
|--|
| Number of telephones installed on current telephone system:  |
| Number of telephones being installed on the NBX system:  |
| Number of users anticipated in the near future:  |
| Number of chassis: <input type="checkbox"/> NBX 100 <input type="checkbox"/> SuperStack 3 NBX  |
| Where will the NBX chassis be located?   |
| How will it be mounted? Wall <input type="checkbox"/> Rack <input type="checkbox"/>  |
| Mode:<br>Key system? <input type="checkbox"/> Hybrid/PBX? <input type="checkbox"/>   |
| Will disk mirroring be installed (SuperStack 3 NBX only)? Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| What range of extensions would you like?<br>(NBX 100 default: 100-449 / SuperStack 3 default: 1000-4999)   |
| Extension that will be assigned to the attendant's telephone:  |
| Power Failure Telephone (PFT) units to be installed? (North America only) Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Number of PFTs:  |
| UPS available for chassis? (UPS is recommended) Yes <input type="checkbox"/> No <input type="checkbox"/><br>Dedicated power outlet available for UPS? Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Will Ethernet Power Supply be used? Yes <input type="checkbox"/> No <input type="checkbox"/><br>Number of Ethernet Power Supplies required:  |
| Will a redundant power supply be used (SuperStack 3 NBX only)? Yes <input type="checkbox"/> No <input type="checkbox"/><br><b>Note:</b> One dedicated power outlet is required for each power supply.          |
| <b>Attach a list of frequently dialed telephone numbers for System Speed Dials.</b>  |

## Site Survey

|   |                                  |                    |         |                                       |
|---|----------------------------------|--------------------|---------|---------------------------------------|
| <b>Cable Survey</b>   |                                  |                    |         |                                       |
| Plenum <input type="checkbox"/> PVC <input type="checkbox"/>  |                                  |                    |         | Termination:                          |
| Data cable: cat./level:   | Singles                          | Dual               | Quad    | 110 <input type="checkbox"/>          |
| Voice-only cable: cat./level:   | Singles                          | Dual               | Quad    | Patch <input type="checkbox"/>        |
| Total number of locations/drops:  | Singles                          | Dual               | Quad    | 66 <input type="checkbox"/><br>Other: |
| Riser cable: Plenum <input type="checkbox"/> PVC <input type="checkbox"/> Shielded <input type="checkbox"/>   |                                  |                    |         |                                       |
| Copper <input type="checkbox"/>   | Number of pairs:                 |                    |         | Length:                               |
| Fiber <input type="checkbox"/>  | Armored <input type="checkbox"/> | Number of strands: | Length: |                                       |
| Coax <input type="checkbox"/>   | Type:                            | Length:            |         |                                       |
| Demarcation for dial tone:  |                                  |                    |         |                                       |
| Feeder: existing <input type="checkbox"/> new <input type="checkbox"/>  |                                  |                    |         |                                       |
| Plenum <input type="checkbox"/> PVC <input type="checkbox"/> Number of pairs:                                 |                                  |                    |         |                                       |
| Termination block? Yes <input type="checkbox"/> No <input type="checkbox"/>                                   |                                  |                    |         |                                       |
| Modular jack <input type="checkbox"/> RJ-21x (66) <input type="checkbox"/> 110 block <input type="checkbox"/> |                                  |                    |         |                                       |
| Location of IDFS:   |                                  |                    |         |                                       |
| Drop ceiling height:  | Walls:                           | Number of floors:  |         |                                       |

## LAN/WAN Survey

|  |
|--|
| Do you have IP networking/Internet access?    Yes <input type="checkbox"/> No <input type="checkbox"/>                                     |
| Fixed IP address to be assigned to the NCP: (Default: 192.168.1.190)   |
| Default Gateway: (Default: 0.0.0.0)  |
| Subnet Mask: (Default: 255.255.255.0)  |
| Host Name: (Default: nbx100/25/750)  |
| Will you require T-connectors with terminators for additional chassis?    Yes <input type="checkbox"/> No <input type="checkbox"/>         |
| Type of Ethernet LAN:    10BASE-T <input type="checkbox"/> 100BASE-T <input type="checkbox"/>  |
| Protocols used on network:    IP <input type="checkbox"/> IPX <input type="checkbox"/> AppleTalk <input type="checkbox"/>                  |
| Do hubs have 10BASE2 connectors?    Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Does your network meet 5-4-3 Ethernet specifications today?  |
| ISP name:  |
| ISP telephone number:  |
| Typical LAN bandwidth utilization:   |
| Will more hub/switch ports be needed?    Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, how many:                        |
| Location of phones within the network:   |
| <b>Note:</b> Attach a current network diagram to enable you to connect the NBX phones so that there is minimal impact on the data network. |

## Telephone Line Survey

|  |
|--|
| Number of CO (POTS) lines (North America only):                  |
| Fax lines:   |
| Modem lines:   |
| Alarm lines:   |
| Other:   |
| ANI?    Yes <input type="checkbox"/> No <input type="checkbox"/> |

|                                       |  |
|---------------------------------------|--|
| DNIS? (North America only)            | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| DID/DDI?                              | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 911/E911? (North America only)        | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Caller ID?                            | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| D4 Channel Bank? (North America only) | Yes <input type="checkbox"/> No <input type="checkbox"/> |

|   |
|---|
| No. of T1/DS1 lines:                                    |
| No. of T1/ISDN PRI lines:                               |
| No. of E1/ISDN PRI lines (outside North America only):  |
| No. of ISDN BRI-S/T lines (outside North America only): |
| Other:  |
| Other:  |

|                          |
|--------------------------|
| <b>Electrical Survey</b> |
|--------------------------|

|  |                                       |                             |                                       |                             |
|--|---------------------------------------|-----------------------------|---------------------------------------|-----------------------------|
| Sufficient power outlets for all telephones and chassis? | Yes <input type="checkbox"/>          | No <input type="checkbox"/> |                                       |                             |
| Sufficient amperage?                                     | Yes <input type="checkbox"/>          | No <input type="checkbox"/> |                                       |                             |
| Outlet fully grounded or switched?                       | Outlet 1 Yes <input type="checkbox"/> | No <input type="checkbox"/> | Outlet 2 Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Dedicated power outlet available for redundant power?    | Yes <input type="checkbox"/>          | No <input type="checkbox"/> |                                       |                             |

|   |
|---|
| <b>NBX Hardware Required to Complete the Installation</b> |
|---|

|             |
|-------------|
| Line cards: |
| Hubs:       |
| Chassis:    |
|             |
|             |



## Digital Line Card Provisioning – T1 DS1 and T1 ISDN PRI

| Service Provider Value/Service   | T1 DS1  | T1 ISDN PRI  |
|--|---|--|
| Line length (the physical line length)   | 0-35 <input type="checkbox"/><br>25-56 <input type="checkbox"/><br>55-95 <input type="checkbox"/><br>85-125 <input type="checkbox"/><br>115-155 <input type="checkbox"/><br>145-185 <input type="checkbox"/><br>175-210 <input type="checkbox"/>  | 0-35 <input type="checkbox"/><br>25-56 <input type="checkbox"/><br>55-95 <input type="checkbox"/><br>85-125 <input type="checkbox"/><br>115-155 <input type="checkbox"/><br>145-185 <input type="checkbox"/><br>175-210 <input type="checkbox"/> |
| <b>Note:</b> Some line length ranges overlap. If neither range is more representative of the length, use either range. Otherwise, use the range with the greatest overlap. |   |  |
| Framing type   | D4* <input type="checkbox"/><br>CSU ESF to D4 conversion <input type="checkbox"/><br><br>*Recommended/default (Required for ANI)  | ESF* <input type="checkbox"/><br>F4 <input type="checkbox"/><br>F12 (D4/SF) <input type="checkbox"/><br>F72 (SLC96) <input type="checkbox"/><br>*Recommended/default   |
| Line code (zero code suppression)  | AMI <input type="checkbox"/><br>CSU B8ZS to AMI Conversion <input type="checkbox"/>   | B8ZS <input type="checkbox"/> (recommended)<br>AMI <input type="checkbox"/>  |
| CSU installed?   | Yes <input type="checkbox"/> No <input type="checkbox"/> If No, planned installation date: _____<br><br>A CSU is required for both T1 DS1 and T1 ISDN PRI installations.  | Yes <input type="checkbox"/> No <input type="checkbox"/> If No, planned installation date: _____<br><br>A CSU is required for both T1 DS1 and T1 PRI installations.  |
| Timing mode  | Loop/Internal   | N/A  |
| DID/DDI/DNIS Services<br>MSN (Multiple Subscriber Numbering) Services  | NBX 100: 3-digit extensions 100-449? Yes <input type="checkbox"/> No <input type="checkbox"/><br>SuperStack 3 NBX: 4-digit extensions 1000-3999 Yes <input type="checkbox"/> No <input type="checkbox"/><br>If No, extension block available: _____<br><br>If the CO cannot provide these extensions for DID/DNIS, dial plan modifications are required. See the <i>Administrator's Guide</i> . |  |
| Service being used   | DID/DDI/DNIS <input type="checkbox"/><br>MSN <input type="checkbox"/>   | DID/DDI/DNIS <input type="checkbox"/><br>MSN <input type="checkbox"/>  |
| Signaling  | In-band; standard TDM (Time Division Multiplexed)   | ISDN PRI   |

## Digital Line Card Provisioning – T1 DS1 and T1 ISDN PRI, continued

| Service Provider Value/Service | T1 DS1  | T1 ISDN PRI  |
|--------------------------------|---|--|
| Start type                     | All channels must be configured for Wink Start for inbound and outbound calls.  | N/A  |
| Caller ID                      | ANI (Calling Party IE) provided?<br>Yes <input type="checkbox"/> No <input type="checkbox"/><br>(required for caller ID)                                  | ANI (Calling Party IE) provided?<br>Yes <input type="checkbox"/> No <input type="checkbox"/><br>(required for caller ID)   |
| Line hunting                   | Available? Yes <input type="checkbox"/> No <input type="checkbox"/><br>Starting on channel _____<br>3Com recommends starting on channel 1 and hunting up. |  |
| CO switch protocol             | E&M robbed bit  | 4ESS Custom _____<br>Call-By-Call Service Enabled<br>Yes <input type="checkbox"/> No <input type="checkbox"/><br>Carrier Identification Code _____<br>Default Outbound Service:<br>Standard _____<br>MEGACOM _____<br>5ESS Custom _____<br>DMS Custom _____<br>National ISDN NI-1/NI-2 _____ |

## Digital Line Card Provisioning – E1 ISDN PRI and ISDN BRI-ST

| Service Provider Value/Service   | E1 ISDN PRI   | ISDN BRI-S/T   |
|--|---|--|
| Line length (the physical line length)   | 0-35 <input type="checkbox"/><br>25-56 <input type="checkbox"/><br>55-95 <input type="checkbox"/><br>85-125 <input type="checkbox"/><br>115-155 <input type="checkbox"/><br>145-185 <input type="checkbox"/><br>175-210 <input type="checkbox"/>  | 0-35 <input type="checkbox"/><br>25-56 <input type="checkbox"/><br>55-95 <input type="checkbox"/><br>85-125 <input type="checkbox"/><br>115-155 <input type="checkbox"/><br>145-185 <input type="checkbox"/><br>175-210 <input type="checkbox"/> |
| <b>Note:</b> Some line length ranges overlap. If neither range is more representative of the length, use either range. Otherwise, use the range with the greatest overlap. |   |  |
| Terminal endpoint identifier   | N/A   | <input type="checkbox"/> Automatically assign TEI<br><input type="checkbox"/> Use this TEI: _____  |
| Framing type   | Multiframe with CRC4 <input type="checkbox"/><br>Double Frame <input type="checkbox"/>  | N/A  |
| Line code (zero code suppression)  | B8ZS <input type="checkbox"/><br>HDB3 <input type="checkbox"/>  | N/A  |
| DID/DDI/DNIS Services<br>MSN (Multiple Subscriber Numbering) Services  | NBX 100: 3-digit extensions 100-449? Yes <input type="checkbox"/> No <input type="checkbox"/><br>SuperStack 3 NBX: 4-digit extensions 1000-3999? Yes <input type="checkbox"/> No <input type="checkbox"/><br>If No, extension block available: _____<br>If the CO cannot provide these extensions for DID/DNIS, dial plan modifications are required. |  |
| Service being used   | DID/DDI/DNIS <input type="checkbox"/><br>MSN <input type="checkbox"/>   | DID/DDI/DNIS <input type="checkbox"/><br>MSN <input type="checkbox"/>  |
| Signaling  | ISDN PRI  | ISDN BRI-S/T interface type  |
| Multipoint Mode  | N/A   | Yes <input type="checkbox"/> No <input type="checkbox"/><br>If Yes, list other devices to be attached.   |
| Caller ID  | ANI (Calling Party ID) provided?<br>Yes <input type="checkbox"/> No <input type="checkbox"/><br>Required for Caller ID  | ANI (Calling Party ID) provided?<br>Yes <input type="checkbox"/> No <input type="checkbox"/><br>Required for Caller ID   |
| Calling Line Identification (CLI)  | Yes <input type="checkbox"/> No <input type="checkbox"/>  | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Calling Line Restriction (CLIR)  | Yes <input type="checkbox"/> No <input type="checkbox"/>  | Yes <input type="checkbox"/> No <input type="checkbox"/>   |
| Line Hunting   | Available? Yes <input type="checkbox"/> No <input type="checkbox"/><br>Starting on channel _____<br>3Com recommends starting on channel 1 and hunting up.   |  |
| CO Switch Protocol   | ETSI  | ETSI   |

|                      |
|----------------------|
| <b>Digital Lines</b> |
|----------------------|

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 1    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 2    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line. | Board Name | Location | Chassis | Slot | Card Type |
|-------|------------|----------|---------|------|-----------|
| 3     |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 4    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 5    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 6    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 7    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

|                                 |
|---------------------------------|
| <b>Digital Lines, continued</b> |
|---------------------------------|

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 8    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 9    |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 10   |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 11   |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 12   |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 13   |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

| Line | Board Name | Location | Chassis | Slot | Card Type |
|------|------------|----------|---------|------|-----------|
| 14   |            |          |         |      |           |

| T1, E1, or 10BT Uplink Port | Group | Spans | Channel | MAC Address |
|-----------------------------|-------|-------|---------|-------------|
|                             |       |       |         |             |

|                           |
|---------------------------|
| <b>Digital Line Spans</b> |
|---------------------------|

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

|                                      |
|--------------------------------------|
| <b>Digital Line Spans, continued</b> |
|--------------------------------------|

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

| Span ID | Span Name | Interface Type | CO Switch Protocol | Framing Type |
|---------|-----------|----------------|--------------------|--------------|
|         |           |                |                    |              |

| Line Code | Line Length | MAC Address |
|-----------|-------------|-------------|
|           |             |             |

|                            |
|----------------------------|
| <b>Digital Line Groups</b> |
|----------------------------|

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |



|                                       |
|---------------------------------------|
| <b>Digital Line Groups, continued</b> |
|---------------------------------------|

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| Group Name | Channel Protocol | E&M Direction | Start Type | Digit Collection |
|------------|------------------|---------------|------------|------------------|
|            |                  |               |            |                  |

| Called Party Digits (DID/DNIS) | Calling Party Digits (ANI) | Trunk to Trunk |
|--------------------------------|----------------------------|----------------|
|                                |                            |                |

| <b>Class of Service</b>            |   | <input checked="" type="checkbox"/> = Default |   |   |  |
|------------------------------------|---|---|---|---|--|
| <b>Default Attendant</b>           |   |   |   |   |  |
| Internal                           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Local                              | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Long Distance                      | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| International                      | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Toll Free                          | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Toll/Premium                       | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| WAN                                | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| CO/Phone Exchange Code             | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Trunk to Trunk                     | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Alternate Carrier (Equal Access #) | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Operator Assisted                  | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Wireless                           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Diagnostics                        | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Emergency (911 and E911)           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/>    | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Off-site Notification              | Enabled <input checked="" type="checkbox"/> |   |   |   |  |

| <b>Default User</b>                |  |  |   |   |  |
|------------------------------------|--|--|---|---|--|
| Internal                           | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Local                              | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Long Distance                      | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| International                      | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| Toll Free                          | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Toll/Premium                       | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| WAN                                | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| Trunk to Trunk                     | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| Alternate Carrier (Equal Access #) | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Operator Assisted                  | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| Wireless                           | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Diagnostics                        | Open <input type="checkbox"/>            | Closed <input type="checkbox"/>            | Lunch <input type="checkbox"/>            | Other <input type="checkbox"/>            |  |
| Emergency (911 and E911)           | Open <input checked="" type="checkbox"/> | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |  |
| Off-site Notification              | Enabled <input type="checkbox"/>         |  |   |   |  |

**Class of Service, continued**

= Default

| <b>Default Super User</b>          |   |  |   |   |
|------------------------------------|---|--|---|---|
| Internal                           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Local                              | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Long Distance                      | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| International                      | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Toll Free                          | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Toll/Premium                       | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| WAN                                | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| CO/Phone Exchange Code             | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Trunk to Trunk                     | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Alternate Carrier (Equal Access #) | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Operator Assisted                  | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Wireless                           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Diagnostics                        | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Emergency (911 and E911)           | Open <input checked="" type="checkbox"/>    | Closed <input checked="" type="checkbox"/> | Lunch <input checked="" type="checkbox"/> | Other <input checked="" type="checkbox"/> |
| Off-site Notification              | Enabled <input checked="" type="checkbox"/> |  |   |   |

| <b>Customer Defined 1</b>          |                                  |                                 |                                |                                |
|------------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|
| Internal                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Local                              | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Long Distance                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| International                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll Free                          | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll/Premium                       | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| WAN                                | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Trunk to Trunk                     | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Alternate Carrier (Equal Access #) | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Operator Assisted                  | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Wireless                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Diagnostics                        | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Emergency (911 and E911)           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Off-site Notification              | Enabled <input type="checkbox"/> |                                 |                                |                                |

| <b>Class of Service, continued</b> |                                  | <input checked="" type="checkbox"/> = Default |                                |                                |  |
|------------------------------------|----------------------------------|---|--------------------------------|--------------------------------|--|
| <b>Customer Defined 2</b>          |                                  |   |                                |                                |  |
| Internal                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Local                              | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Long Distance                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| International                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Toll Free                          | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Toll/Premium                       | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| WAN                                | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Trunk to Trunk                     | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Alternate Carrier (Equal Access #) | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Operator Assisted                  | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Wireless                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Diagnostics                        | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Emergency (911 and E911)           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/>               | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Off-site Notification              | Enabled <input type="checkbox"/> |   |                                |                                |  |

| <b>Customer Defined 3</b>          |                                  |                                 |                                |                                |  |
|------------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|--|
| Internal                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Local                              | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Long Distance                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| International                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Toll Free                          | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Toll/Premium                       | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| WAN                                | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Trunk to Trunk                     | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Alternate Carrier (Equal Access #) | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Operator Assisted                  | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Wireless                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Diagnostics                        | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Emergency (911 and E911)           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |  |
| Off-site Notification              | Enabled <input type="checkbox"/> |                                 |                                |                                |  |

**Class of Service, continued**

= Default

| <b>Customer Defined 4</b>          |                                  |                                 |                                |                                |
|------------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|
| Internal                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Local                              | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Long Distance                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| International                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll Free                          | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll/Premium                       | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| WAN                                | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Trunk to Trunk                     | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Alternate Carrier (Equal Access #) | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Operator Assisted                  | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Wireless                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Diagnostics                        | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Emergency (911 and E911)           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Off-site Notification              | Enabled <input type="checkbox"/> |                                 |                                |                                |

| <b>Customer Defined 5</b>          |                                  |                                 |                                |                                |
|------------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|
| Internal                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Local                              | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Long Distance                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| International                      | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll Free                          | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Toll/Premium                       | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| WAN                                | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| CO/Phone Exchange Code             | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Trunk to Trunk                     | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Alternate Carrier (Equal Access #) | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Operator Assisted                  | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Wireless                           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Diagnostics                        | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Emergency (911 and E911)           | Open <input type="checkbox"/>    | Closed <input type="checkbox"/> | Lunch <input type="checkbox"/> | Other <input type="checkbox"/> |
| Off-site Notification              | Enabled <input type="checkbox"/> |                                 |                                |                                |

**Business Hours (Time of Day Service Modes)**

| Open                     |           |      |    |    |    |
|--------------------------|-----------|------|----|----|----|
| Open?                    |           | From |    | To |    |
| <input type="checkbox"/> | Monday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Tuesday   | H:   | M: | H: | M: |
| <input type="checkbox"/> | Wednesday | H:   | M: | H: | M: |
| <input type="checkbox"/> | Thursday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Friday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Saturday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Sunday    | H:   | M: | H: | M: |

| Lunch                    |           |      |    |    |    |
|--------------------------|-----------|------|----|----|----|
| Open?                    |           | From |    | To |    |
| <input type="checkbox"/> | Monday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Tuesday   | H:   | M: | H: | M: |
| <input type="checkbox"/> | Wednesday | H:   | M: | H: | M: |
| <input type="checkbox"/> | Thursday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Friday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Saturday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Sunday    | H:   | M: | H: | M: |

| Other                    |           |      |    |    |    |
|--------------------------|-----------|------|----|----|----|
| Open?                    |           | From |    | To |    |
| <input type="checkbox"/> | Monday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Tuesday   | H:   | M: | H: | M: |
| <input type="checkbox"/> | Wednesday | H:   | M: | H: | M: |
| <input type="checkbox"/> | Thursday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Friday    | H:   | M: | H: | M: |
| <input type="checkbox"/> | Saturday  | H:   | M: | H: | M: |
| <input type="checkbox"/> | Sunday    | H:   | M: | H: | M: |

**Service Mode Notes**

## Hunt Groups

**Note:** The NBX 100 supports up to a total of 50 Hunt groups and Calling groups. The SuperStack 3 NBX system supports up to a total of 100 Hunt groups and Calling groups.

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

## Hunt Groups, continued

**Note:** The NBX 100 supports up to a total of 50 Hunt groups and Calling groups. The SuperStack 3 NBX system supports up to 100 Hunt groups and Calling groups.

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |

| Name | Type<br>(Linear/Circular) | Password | Extensions  |
|------|---------------------------|----------|---|
|      |                           |          | <input type="checkbox"/> Assign automatically <input type="checkbox"/> Use: |

| Call Coverage                       |   |                                    | Timeout |             |
|-------------------------------------|---|------------------------------------|---------|-------------|
| <input type="checkbox"/> Voice Mail | <input type="checkbox"/> Auto Attendant Menu: | <input type="checkbox"/> Phone No. | Total   | Per device: |





## Dial Plan

| Extension Ranges        |  |                     |
|-------------------------|--|---------------------|
| Default Extension Range |  | New Extension Range |
| Telephones              | <b>NBX 100:</b> 100-449<br><b>SuperStack 3 NBX:</b> 1000-3999                      |                     |
| Call Park               | <b>NBX 100:</b> 601-609<br><b>SuperStack 3 NBX:</b> 6000-6099                      |                     |
| Auto Attendant          | <b>NBX 100:</b> 500, 501, 500-599<br><b>SuperStack 3 NBX:</b> 500, 501, 5500-5599  |                     |
| Hunt Groups             | <b>NBX 100:</b> 450-499<br><b>SuperStack 3 NBX:</b> 4000-4099                      |                     |
| External                | <b>NBX 100:</b> 600-799<br><b>SuperStack 3 NBX:</b> 6000-7999                      |                     |
| Paging                  | <b>NBX 100:</b> 620, 621, and 622<br><b>SuperStack 3 NBX:</b> 6200, 6201, and 6202 |                     |

### Notes:

1. The extensions used for Call Park must be included in the External range. If they are not, the Park features do not work.
2. Do not change the reserved Auto Attendant extension numbers 500 and 501
3. See the Dial Plan chapter in the *Administrator's Guide* for more information.
4. The NBX 100 uses a factory shipped 3-digit dial plan. If you decide to import any 4-digit dial plan, you must manually modify any extension ranges not updated by the imported dial plan.
5. The SuperStack 3 NBX uses a factory shipped 4-digit dial plan. If you decide to import any 3-digit dial plan, you must manually modify any extension ranges not updated by the imported dial plan.







## Peripheral Devices

### External Paging/Alerts

Paging Amplifier:      Yes     No       Make:                                      Model:

Paging Port                       Line Port

Adapter required:

External alerts?            Yes     No       Make:                                      Model:

### Ringers/Music on Hold (MOH)

Door Telephone?            Yes     No       Make:                                      Model:

Will MOH be implemented?    Yes     No

MOH source:

Connector cable being supplied? (1/8 in. phone jack cable)                      Yes     No

### Peripheral Devices Notes

|  |
|--|
|  |
|--|

|                                    |
|------------------------------------|
| <b>CO/Telephone Exchange Lines</b> |
|------------------------------------|

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

### CO/Telephone Exchange Lines, continued

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |

|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |





































|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |

| No. | Location or Demarcation | Telephone Number | Hunt Sequence | Chassis | Slot |
|-----|-------------------------|------------------|---------------|---------|------|
|     |                         |                  |               |         |      |


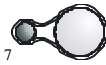


































|                          |      |      |             |
|--------------------------|------|------|-------------|
| Port                     | Ext. | Pool | MAC Address |
| PFT (North America only) |      |      |             |







































## Button Mapping Groups, Business Telephone

| Default Attendant   |                   |  |   | Default User  |                   |  |   |
|---|-------------------|--|---|---|-------------------|--|---|
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|    | Feature           |  |    |    | Feature           |  |    |
|    | Transfer to VMail |  |    |    | Transfer to VMail |  |    |
|    | Call Park         |  |    |    | Call Park         |  |    |
|    | Flash             |  |    |    | Flash             |  |    |
|   |                   |  |   |   |                   |  |   |
|  | Release           |  |  |  | Release           |  |  |
|   |                   |  |  |   |                   |  |  |
|   |                   |  |  |   |                   |  |  |

## Button Mapping Groups, Business Telephone, continued

| Default Super User  |                   |  |   | Customer Defined 1  |                   |  |   |
|---|-------------------|--|---|---|-------------------|--|---|
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|    | Feature           |  |    |    | Feature           |  |    |
|    | Transfer to VMail |  |    |    | Transfer to VMail |  |    |
|    | Call Park         |  |    |    | Call Park         |  |    |
|    | Flash             |  |    |    | Flash             |  |    |
|   |                   |  |   |   |                   |  |   |
|  | Release           |  |  |  | Release           |  |  |
|   |                   |  |  |   |                   |  |  |
|   |                   |  |  |   |                   |  |  |

## Button Mapping Groups, Business Telephone, continued

| Customer Defined 2:   |                   |  |   | Customer Defined 3:   |                   |  |   |
|---|-------------------|--|---|---|-------------------|--|---|
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|   |                   |  |    |   |                   |  |    |
|    | Feature           |  |    |    | Feature           |  |    |
|    | Transfer to VMail |  |    |    | Transfer to VMail |  |    |
|    | Call Park         |  |    |    | Call Park         |  |    |
|    | Flash             |  |    |    | Flash             |  |    |
|   |                   |  |   |   |                   |  |   |
|  | Release           |  |  |  | Release           |  |  |
|   |                   |  |  |   |                   |  |  |
|   |                   |  |  |   |                   |  |  |

## Button Mapping Groups, Basic Telephone

### Default Basic Telephone Group

| Feature | Call Toggle | Transfer |
|---------|-------------|----------|
|---------|-------------|----------|



### Customer Defined 1

|  |
|--|
|  |
|--|



### Customer Defined 2

|  |
|--|
|  |
|--|



### Customer Defined 3

|  |
|--|
|  |
|--|



### Customer Defined 4

|  |
|--|
|  |
|--|



### Customer Defined 5

|  |
|--|
|  |
|--|



### Customer Defined 6

|  |
|--|
|  |
|--|



|                           |
|---------------------------|
| <b>User Configuration</b> |
|---------------------------|

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

|                                      |
|--------------------------------------|
| <b>User Configuration, continued</b> |
|--------------------------------------|

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

|                                      |
|--------------------------------------|
| <b>User Configuration, continued</b> |
|--------------------------------------|

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

|                                      |
|--------------------------------------|
| <b>User Configuration, continued</b> |
|--------------------------------------|

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |



|                                    |
|------------------------------------|
| <b>911/E911 User Configuration</b> |
|------------------------------------|

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

|                      |            |               |                   |
|----------------------|------------|---------------|-------------------|
| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|                      |            |               |                   |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

|               |            |
|---------------|------------|
| Room Location | DID Number |
|               |            |

|   |
|---|
| <b>911/E911 User Configuration, continued</b> |
|---|

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

|   |
|---|
| <b>911/E911 User Configuration, continued</b> |
|---|

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Ext. | Room Location | Class of Service Group |
|-----|-----------|------------|------|---------------|------------------------|
|     |           |            |      |               |                        |

| Button Mapping Group | Hunt Group | Calling Group | Call Pickup Group |
|----------------------|------------|---------------|-------------------|
|                      |            |               |                   |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

**911/E911 User Configuration, continued**

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

| No. | Last Name | First Name | Extension |
|-----|-----------|------------|-----------|
|     |           |            |           |

| Room Location | DID Number |
|---------------|------------|
|               |            |

## Automated Attendant

Will a receptionist be the primary answering point?      Yes     No

### Morning Greeting (1 minute)

Start time:

|  |
|--|
|  |
|--|

### Afternoon Greeting (1 minute)

Start Time:

|  |
|--|
|  |
|--|

### Evening Greeting (1 minute)

Start Time:

|  |
|--|
|  |
|--|

## Automated Attendant, continued

### Main Menu Greeting (4 minutes)

| Telephone Button | Action | Telephone Number or Extension |
|------------------|--------|-------------------------------|
| 1                |        |                               |
| 2                |        |                               |
| 3                |        |                               |
| 4                |        |                               |
| 5                |        |                               |
| 6                |        |                               |
| 7                |        |                               |
| 8                |        |                               |
| 9                |        |                               |
| *                |        |                               |
| #                |        |                               |
| Timeout          |        |                               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.

## Automated Attendant <sup>3</sup>/<sub>4</sub> Closed/Holiday Hours

### Main Menu Greeting (4 minutes)

|  |
|--|
|  |
|--|

| Telephone Button | Action | Telephone Number or Extension |
|------------------|--------|-------------------------------|
| 1                |        |                               |
| 2                |        |                               |
| 3                |        |                               |
| 4                |        |                               |
| 5                |        |                               |
| 6                |        |                               |
| 7                |        |                               |
| 8                |        |                               |
| 9                |        |                               |
| *                |        |                               |
| #                |        |                               |
| Timeout          |        |                               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.

## Automated Attendant Sub Menus

### Sub Menu 1 Greeting

| Telephone Button | Action | Telephone Number or Extension |
|------------------|--------|-------------------------------|
| 1                |        |                               |
| 2                |        |                               |
| 3                |        |                               |
| 4                |        |                               |
| 5                |        |                               |
| 6                |        |                               |
| 7                |        |                               |
| 8                |        |                               |
| 9                |        |                               |
| *                |        |                               |
| #                |        |                               |
| T/O              |        |                               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.



## Automated Attendant Sub Menus, continued

### Sub Menu 2 Greeting

| Telephone Button | Action | Telephone Number or Extension |
|------------------|--------|-------------------------------|
| 1                |        |                               |
| 2                |        |                               |
| 3                |        |                               |
| 4                |        |                               |
| 5                |        |                               |
| 6                |        |                               |
| 7                |        |                               |
| 8                |        |                               |
| 9                |        |                               |
| *                |        |                               |
| #                |        |                               |
| T/O              |        |                               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.

## Automated Attendant Sub Menus, continued

### Sub Menu 3 Greeting

| Telephone Button | Action | Tel. No./Ext. |
|------------------|--------|---------------|
| 1                |        |               |
| 2                |        |               |
| 3                |        |               |
| 4                |        |               |
| 5                |        |               |
| 6                |        |               |
| 7                |        |               |
| 8                |        |               |
| 9                |        |               |
| *                |        |               |
| #                |        |               |
| Timeout          |        |               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.

## Automated Attendant Sub Menus, continued

### Sub Menu 4 Greeting

| Telephone Button | Action | Tel. No./Ext. |
|------------------|--------|---------------|
| 1                |        |               |
| 2                |        |               |
| 3                |        |               |
| 4                |        |               |
| 5                |        |               |
| 6                |        |               |
| 7                |        |               |
| 8                |        |               |
| 9                |        |               |
| *                |        |               |
| #                |        |               |
| Timeout          |        |               |

Note: If you press the button listed in the first column, the NBX system either performs the action listed in the *Action* column or routes the call to the extension listed in the *Telephone Number or Extension* column.

|   |   |
|---|---|
| <b>Time-Dependent Greetings</b>   |   |
| Greeting Name:  |   |
| Time of Day Dependent   |   |
| Start Time: <span style="margin-left: 200px;">Mon <input type="checkbox"/></span> <span style="margin-left: 20px;">Tue <input type="checkbox"/></span> <span style="margin-left: 20px;">Wed <input type="checkbox"/></span> <span style="margin-left: 20px;">Thu <input type="checkbox"/></span> <span style="margin-left: 20px;">Fri <input type="checkbox"/></span> <span style="margin-left: 20px;">Sat <input type="checkbox"/></span> <span style="margin-left: 20px;">Sun <input type="checkbox"/></span> |   |
| Hour: _____ Min.: _____ A.M. <input type="checkbox"/> P.M. <input type="checkbox"/>   |   |
|   |   |
| <b>Date Range Dependent</b>   |   |
| Start Day (MM/DD/YYYY):   | End Day (MM/DD/YYYY):   |
| Start Time:   | End Time:   |
| Hour: _____ Min.: _____ A.M. <input type="checkbox"/> P.M. <input type="checkbox"/>   | Hour: _____ Min.: _____ A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> |
|   |   |
| <b>Automated Attendant Notes (special greetings required, for instance)</b>   |   |
|   |   |

## Voice Mail

### NBX 100 System

|  |  |   |
|--|--|---|
| 4 ports x 30 min (standard) <input type="checkbox"/> | Number of minutes per user class:            | Phantom mailboxes? Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 4 ports x 4 hr* (upgrade) <input type="checkbox"/>   | Max. number of messages: (1-512)             | If yes, how many?   |
| 6 ports x 20 hr* (upgrade) <input type="checkbox"/>  | New message retention: (1-255 days)          |   |
| 12 ports x 80 hr* (upgrade) <input type="checkbox"/> | Max. incoming message length: (1-10 minutes) |   |
| *Requires license key code for activation            |  |   |

### SuperStack 3 NBX System

|   |  |   |
|---|--|---|
| 12 ports (standard) <input type="checkbox"/>  | Number of minutes per user class:            | Phantom mailboxes? Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 24 ports* (upgrade) <input type="checkbox"/>  | Max. number of messages: (1-512)             | If yes, how many?   |
| 48 ports* (upgrade) <input type="checkbox"/>  | New message retention: (1-255 days)          |   |
| 72 ports* (upgrade) <input type="checkbox"/>  | Max. incoming message length: (1-10 minutes) |   |
| 100 ports* (upgrade) <input type="checkbox"/> |  |   |
| *Requires license key code for activation     |  |   |

## Notes