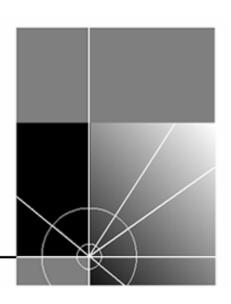


NBX[®] System Planning Guide

Release 4.3:

- SuperStack 3 NBX
- NBX 100



Copyright © 2004, 3Com Corporation. All rights reserved. No part of this documentation may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from 3Com Corporation.

3Com Corporation reserves the right to revise this documentation and to make changes in content from time to time without obligation on the part of 3Com Corporation to provide notification of such revision or change.

3Com Corporation provides this documentation without warranty, term, or condition of any kind, either implied or expressed, including, but not limited to, the implied warranties, terms, or conditions of merchantability, satisfactory quality, and fitness for a particular purpose. 3Com may make improvements or changes in the product(s) and/or the program(s) described in this documentation at any time.

If there is any software on removable media described in this documentation, it is furnished under a license agreement included with the product as a separate document, in the hardcopy documentation, or on the removable media in a directory file named LICENSE.TXT or !LICENSE.TXT. If you are unable to locate a copy, please contact 3Com and a copy will be provided to you.

UNITED STATES GOVERNMENT LEGEND

If you are a United States government agency, then this documentation and the software described herein are provided to you subject to the following:

All technical data and computer software are commercial in nature and developed solely at private expense. Software is delivered as "Commercial Computer Software" as defined in DFARS 252.227-7014 (June 1995) or as a "commercial item" as defined in FAR 2.101(a) and as such is provided with only such rights as are provided in 3Com's standard commercial license for the Software. Technical data is provided with limited rights only as provided in DFAR 252.227-7015 (Nov 1995) or FAR 52.227-14 (June 1987), whichever is applicable. You agree not to remove or deface any portion of any legend provided on any licensed program or documentation contained in, or delivered to you in conjunction with, this guide.

Unless otherwise indicated, 3Com registered trademarks are registered in the United States and may or may not be registered in other countries.

3Com, the 3Com logo, and NBX are registered trademarks of 3Com Corporation. NBX NetSet is a trademark of 3Com Corporation.

5ESS is a registered trademark and 4ESS is a trademark of Lucent Technologies. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation. Adobe is a trademark and Adobe Acrobat is a registered trademark of Adobe Systems Incorporated.

All other company and product names may be trademarks of the respective companies with which they are associated.

3Com Corporation 350 Campus Drive Marlborough, MA 01752-3064

CONTENTS

Contact Information	5
Carrier Information	5
Preliminary Information	6
Site Survey	6
LAN/WAN Survey	7
Telephone Line Survey	7
Electrical Survey	8
Digital Line Card Provisioning – T1 DS1 and T1 ISDN PRI	9
Digital Line Card Provisioning – E1 ISDN PRI and ISDN BRI-ST	11
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
TAPI Route Points	25
Calling Groups	27
Call Pickup Groups	27
Dial Plan	28
Peripheral Devices	32
CO/Telephone Exchange Lines	33
Button Mapping Groups, 3102 Business Telephone	35
Button Mapping Groups, 2102 and 1102 Business Telephones	36
Button Mapping Groups, 3101 and 3101SP Basic Telephones	39
Button Mapping Groups, 2101 Basic Telephone	40
User Configuration	41
911/E911 User Configuration	45
Automated Attendant	49
Automated Attendant — Closed/Holiday Hours	51
Automated Attendant Sub Menus	52
Voice Mail	57
Notes	57

PREFACE

This form is designed to help 3Com NBX partners gather information that they can use to plan the installation of the 3Com NBX® SuperStack® 3 Networked Telephony Solution and the 3Com® 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

Please send your comments about this guide or any of the 3Com NBX documentation and Help systems to:

Voice_TechComm_Comments@3com.com

Contact Information	
Customer	
Client Name:	
Contact Name:	
Installation Address:	
System Administrator:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Dealer	
Dealer Name:	
Contact Name:	
Address:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Carrier Information	
Local Service	
Carrier:	
Contact Name:	
Telephone Number:	
Fax Number:	
Billing Number:	
Any additional lines being added? Yes \(\square\) No \(\square\)	
Types of lines being added: Loop start \[\] \[\] T1/PRI \[\] E1/PRI \[\] BRI-S/T \[\]	
New PSTN connection installation date:	
Long-distance Service	
Carrier:	
Contact Name:	
Telephone Number: Fax Number:	
Account Number:	
1 Account Francour	

Preliminary Informa	tion]	
•			
Number of telephones installed on			
Number of telephones being install			
Number of users anticipated in the		7	
Number of chassis: NBX 100	SuperStack 3 NB2	<u> </u>	
Where will the NBX chassis be loc	_		
How will it be mounted? Wall	Rack		
Mode: Key system? ☐ Hybrid/PBX? [
Will disk mirroring be installed (Su	perStack 3 NBX only)? Y	es 🗌 No 🗍	
What range of extensions would yo (NBX 100 default: 100-449 / Super	u like?		
Extension that will be assigned to the	ne attendant's telephone:		
Power Failure Telephone (PFT) uni	ts to be installed? (North A	America only) Yes No	
Number of PFTs:	<u></u>	<u> </u>	
UPS available for chassis? (UPS is	recommended) Yes	No \square	
Dedicated power outlet available fo	<u> </u>		
Will Ethernet power be used for the		No [
Number of 802.3af-compliant Ether	_	<u></u>	
Number of non-802.3af-compliant l		nay require the use of a splitte	r
(3C10223) for each powered device		7 1	
Will a redundant power supply be u	sed (SuperStack 3 NBX o	nly)? Yes 🗌 No 🗌	
Note: One dedicated power outlet is			
Attach a list of frequently dialed	telephone numbers for Sy	stem Speed Dials.	
G:4. G			
Site Survey			
Cable Survey			г
Plenum PVC			Termination:
Data cable: cat./level:	Singles Dual	Quad	110
Voice-only cable: cat./level:	Singles Dual	Quad	Patch
Total number of locations/drops:	Singles Dual	Quad	66 🗌
	! !		Other:
Riser cable: Plenum PVC	Shielded		
Copper Number of	of pairs:	Length	:
Fiber Armored	Number of strands:	Length	:
Coax Type:		Length	:
Demarcation for dial tone:			
Feeder: existing new new			· · · · · · · · · · · · · · · · · · ·
Plenum PVC Number o	f pairs:		
Termination block? Yes No			
Modular jack RJ-21x (66)	110 block		
Location of IDFS:			
Dron cailing haight:	Waller	Number of floor	

LAN/WAN Survey
Do you have IP networking/Internet access? Yes No
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: nbx100/750)
Will you require T-connectors with terminators for additional chassis?
Type of Ethernet LAN: 10BASE-T ☐ 100BASE-T ☐
Protocols used on network: IP
Do hubs have 10BASE2 connectors? Yes No No
Does your network distribute power over the Ethernet cables (PoE)? Yes No
If you have Power over Ethernet, is it compliant with the IEEE 802.3af specification? Yes No
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 No If yes, how many:
Location of phones within the network:
Note: 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 No
DNIGO Alesti Associa esta
DNIS? (North America only) Yes No DID/DDI? Yes No D
911/E911? (North America only) Yes No
Caller ID? Yes No
D4 Channel Bank? (North America only) Yes No
Di Chamber Bank. (Forth Amortea omy)
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:

Electrical Survey	
Sufficient power outlets for all telephones and chassis?	Yes 🗌 No 🗌
Sufficient amperage?	Yes No No
Outlet fully grounded or switched? Outlet 1 Yes \(\square\) No \(\square\)	Outlet 2 Yes No
Dedicated power outlet available for redundant power?	Yes 🗌 No 🗌
NBX Hardware Required to Complete the Installation	
Line cards:	
Hubs:	
Chassis:	

Service Provider Value/Service	T1 DS1	T1 ISDN PRI		
Line length (the physical line	0-35	0-35		
length)	25-56	25-56		
	55-95	55-95		
	85-125	85-125		
	115-155	115-155		
	145-185	145-185		
	175-210	175-210		
Note: Some line length ranges ove Otherwise, use the range with the §	rlap. If neither range is more representativgreatest overlap.	e of the length, use either range.		
Framing type	D4*	ESF*		
	CSU ESF to D4 conversion	F4 🔲		
		F12 (D4/SF)		
	*Recommended/default (Required for	F72 (SLC96)		
	ANI)	*Recommended/default		
Line code (zero code suppression)	AMI \square	B8ZS (recommended)		
	CSU B8ZS to AMI Conversion	AMI 🗌		
CSU installed? Note: The 3Com 3C10165D E1	Yes No If No, planned installation date:	Yes No If No, planned installation date:		
Digital Line Card and the 3C10116D T1 Digital Line Card each have an onboard CSU.	A CSU is required for both T1 DS1 and T1 ISDN PRI installations.	A CSU is required for both T1 DS1 and T1 PRI installations.		
Timing mode	Loop/Internal	N/A		
DID/DDI/DNIS Services	NBX 100: 3-digit extensions 100-449?	Yes No No		
MSN (Multiple Subscriber	SuperStack 3 NBX: 4-digit extensions 100	0-3999 Yes 🗌 No 🗌		
Numbering) Services	If No, extension block available:			
	If the CO cannot provide these extensions required. See the <i>Administrator's Guide</i> .	for DID/DNIS, dial plan modifications are		
Service being used	DID/DDI/DNIS□	DID/DDI/DNIS□		
	MSN □	MSN 🗆		
Signaling	In-band; standard TDM (Time Division Multiplexed)	ISDN PRI		

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? Yes No (required for caller ID)	ANI (Calling Party IE) provided? Yes No (required for caller ID)	
Line hunting	Available? Yes No	•	
	Starting on channel		
	3Com recommends starting on channel 1 and hunting up.		
CO switch protocol	E&M robbed bit	4ESS Custom	
		Call-By-Call Service Enabled	
		Yes 🗌 No 🔲	
		Carrier Identification Code	
		Default Outbound Service:	
		Standard	
		MEGACOM	
		5ESS Custom	
		DMS Custom	
		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	0-35	0-35			
length)	25-56	25-56			
	55-95	55-95			
	85-125	85-125			
	115-155	115-155			
	145-185	145-185			
	175-210	175-210			
Note: Some line length ranges ove Otherwise, use the range with the §	rlap. If neither range is more representativgreatest overlap.	e of the length, use either range.			
Terminal endpoint identifier	N/A	☐ Automatically assign TEI			
		Use this TEI:			
Framing type	Multiframe with CRC4	N/A			
	Double Frame				
Line code (zero code suppression)	B8ZS	N/A			
	HDB3 □				
DID/DDI/DNIS Services	NBX 100: 3-digit extensions 100-449? Yes No				
MSN (Multiple Subscriber	SuperStack 3 NBX: 4-digit extensions 1000-3999? Yes ☐ No ☐				
Numbering) Services	If No, extension block available:				
	If the CO cannot provide these extensions are required.	for DID/DNIS, dial plan modifications			
Service being used	DID/DDI/DNIS□	DID/DDI/DNIS□			
	MSN 🗌	MSN □			
Signaling	ISDN PRI	ISDN BRI-S/T interface type			
Multipoint Mode	N/A	Yes No			
		If Yes, list other devices to be attached.			
Caller ID	ANI (Calling Party ID) provided?	ANI (Calling Party ID) provided?			
	Yes No No	Yes No No			
	Required for Caller ID	Required for Caller ID			
Calling Line Identification (CLI)	Yes No	Yes No No			
Calling Line Restriction (CLIR)	Yes No	Yes No			
Line Hunting	Available? Yes \(\square\) No \(\square\)				
	Starting on channel				
	3Com recommends starting on channel 1 and hunting up.				
CO Switch Protocol	ETSI	ETSI			

Digi	tal Lines				
Line	Board Name	Location	Chassis	Slot	Card Type
1					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
	-	_			
			1	Ī	1
Line	Board Name	Location	Chassis	Slot	Card Type
2		1			
	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
		1	T		
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	Board Name	Location	Cilassis	5101	Cald Type
	T1 E1 on 10DT Unlink Dout	Cuara	Canada	Channel	MAC Address
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
Line	Board Name	Location	Chassis	Slot	Card Type
6					31
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
	,,		~F****		
		1			
Line	Board Name	Location	Chassis	Slot	Card Type
7					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
Line	Board Name	Location	Chassis	Slot	Card Type
8					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address

Digit	tal Lines				
Line	Board Name	Location	Chassis	Slot	Card Type
9					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
		1	1		
Line	Board Name	Location	Chassis	Slot	Card Type
10					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
<u> </u>	D 137		Gi :	- CI	la im
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	Cord Type
12	Board Name	Location	Chassis	3101	Card Type
12					<u> </u>
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
		Т			T
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
		u .	1	•	
Line	Board Name	Location	Chassis	Slot	Card Type
15					
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address
	11, E1, of 10B1 opinik for	Group	Бранз	Chamici	Mire riddress
		1			
Line	Board Name	Location	Chassis	Slot	Card Type
16	_ 3444 1 14414	20041011	C.1.4.0010	2.31	-30 7/60
	T1 F1 - 10PFH P 1 P		G	CI: 1	MACAII
	T1, E1, or 10BT Uplink Port	Group	Spans	Channel	MAC Address

Digital L	ine Spans			
Span ID Span Name		Interface Type	CO Switch Protocol	Framing Type
	Line Code	Line Length	MAC Address	
Span ID	C N	Introfess Tone	CO Switch Protocol	E
Span ID	Span Name	Interface Type	CO SWITCH FIOLOCOL	Framing Type
	Line Code	Line Length	MAC Address	
Enon ID	Coop Name	Intonfood Tyme	CO Switch Protocol	Enomina Tyma
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	
	Ellic Code	Ellic Eengui	WINC Address	
			1	
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
	Line Code	Line Length	MAC Address	
	Line Code	Line Length	WAC Address	
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
	Line Code	The Level	MAC Address	
	Line Code	Line Length	WAC 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	

	ine Spans, cont			T
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
r				8 31
	Line Code	Line Length	MAC Address	
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
Spuil 12	Span I valid	interface Type	00 2 11 11 11 11 11 11 11 11 11 11 11 11 1	Truming Type
	Line Code	Line Length	MAC Address	
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
Span ID	Span Ivanic	тистаес турс	CO Switch Frotocol	Training Type
	Line Code	Line Length	MAC Address	
		-		
~		1- 0 -		I
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
	Line Code	Line Length	MAC Address	
	Line Code	Line Length	WAC Address	
Span ID	Span Name	Interface Type	CO Switch Protocol	Framing Type
	Line Code	Line Length	MAC Address	

Digital Line	e Groups				
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	led Party Digits (DID/DNIS) Ca		Party Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Direction Start Type		Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
		,			
Group Name	Channel Protocol	E&M Dire	E&M Direction Start Type		Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
	Canta Tarry Bigns (B			Turiy Digita (TIT.)	
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
	- J - J - W (-	/	8-		
Group Name	Channel Protocol	E&M Dire	ection	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling I	Party Digits (ANI)	Trunk to Trunk
	, , ,	,	3	<u> </u>	

Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling Part	y Digits (ANI)	Trunk to Trunk
		·			
Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling Part	y Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
	CH ID (D) (O	ID (DNIG)	I C III . D	D' ' (AND	T 1 (T 1
	Called Party Digits (D	ID/DNIS)	Calling Part	y Digits (ANI)	Trunk to Trunk
				Start Type	
Group Name	Channel Protocol	E&M Dire	E&M Direction		Digit Collection
	Called Party Digits (D	DID/DNIS) Calling Part		y Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	E&M Direction		Digit Collection
	Called Party Digits (D	DID/DNIS) Calling Part		y Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
	Called Party Digits (D	ID/DNIS)	Calling Part	y Digits (ANI)	Trunk to Trunk
				, , , , , , , , , , , , , , , , , , , ,	
Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
•					-
	Called Party Digits (D	ID/DNIS)	Calling Part	y Digits (ANI)	Trunk to Trunk
Group Name	Channel Protocol	E&M Dire	ction	Start Type	Digit Collection
	Colled Porty Digits (D	ID/DNIS)	Colling Dom	y Digite (ANI)	Trunk to Tanal
	Called Party Digits (D	(פואמ/שו	Calling Par	y Digits (ANI)	Trunk to Trunk

Class of Service		⊠ = Default		
Default Route Point Group		4		
Internal	Open 🛛	Closed 🛛	Lunch 🛛	Other 🛛
Local	Open 🗵	Closed 🖂	Lunch 🖂	Other 🖂
Long Distance	Open 🖂	Closed	Lunch	Other
International	Open	Closed	Lunch	Other
Toll Free	Open 🗵	Closed 🛛	Lunch 🛚	Other 🛛
Toll/Premium	Open	Closed	Lunch	Other
WAN	Open 🛚	Closed 🛛	Lunch 🛚	Other 🛛
CO/Phone Exchange Code	Open	Closed	Lunch	Other
Trunk to Trunk	Open	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛛
Operator Assisted	Open	Closed	Lunch	Other
Wireless	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛛
Diagnostics	Open	Closed	Lunch	Other
Other	Open 🛚	Closed 🛚	Lunch 🖂	Other 🛛
Emergency (911 and E911)	Open 🛚	Closed 🛚	Lunch 🖂	Other 🛛
Off-site Notification	Enabled			
CLIR Features	Enabled			
	_	_		
Default User Group				
Internal	Open 🛛	Closed 🛚	Lunch 🛛	Other 🛚
Local	Open 🛛	Closed 🛛	Lunch 🖂	Other 🛛
Long Distance	Open 🛛	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🛚	Closed 🛛	Lunch 🛚	Other 🛛
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🛛	Closed 🛛	Lunch 🛚	Other 🛛
CO/Phone Exchange Code	Open 🗌	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🛛	Closed 🛛	Lunch 🖂	Other 🛛
Operator Assisted	Open 🗌	Closed	Lunch	Other
Wireless	Open 🛛	Closed 🛛	Lunch 🛚	Other 🛛
Diagnostics	Open 🗌	Closed	Lunch	Other
Other	Open 🛛	Closed 🛛	Lunch 🖂	Other 🛚
Emergency (911 and E911)	Open 🛛	Closed 🛚	Lunch 🛚	Other 🛚
Off-site Notification	Enabled			
CLIR Features	Enabled			

Class of Service, conti	⊠ = Defa	ult		
Default Super User Group				
Internal	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛚
Local	Open 🗵	Closed 🛛	Lunch 🛛	Other 🛚
Long Distance	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛚
International	Open 🛚	Closed 🛚	Lunch 🖂	Other 🛚
Toll Free	Open 🛚	Closed 🛚	Lunch 🖂	Other 🛚
Toll/Premium	Open 🖂	Closed 🛚	Lunch 🛚	Other 🛚
WAN	Open 🖂	Closed 🛚	Lunch 🛛	Other 🛚
CO/Phone Exchange Code	Open 🖂	Closed 🛚	Lunch 🛛	Other 🛚
Trunk to Trunk	Open 🛚	Closed 🛚	Lunch 🛛	Other 🛚
Alternate Carrier (Equal Access #)	Open 🛚	Closed 🛛	Lunch 🛚	Other 🛚
Operator Assisted	Open 🗌	Closed	Lunch	Other
Wireless	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛚
Diagnostics	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛚
Other	Open 🛚	Closed 🛛	Lunch 🛛	Other 🛚
Emergency (911 and E911)	Open 🛚	Closed 🛚	Lunch 🖂	Other 🛚
Off-site Notification	Enabled 🛛			
CLIR Features	Enabled 🛛			
Customer Defined Group 1				
Internal	Open 🗌	Closed	Lunch	Other
Local	Open 🗌	Closed	Lunch	Other
Long Distance	Open 🗌	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🗌	Closed	Lunch	Other
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🗌	Closed	Lunch	Other
CO/Phone Exchange Code	Open 🗌	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🗌	Closed	Lunch	Other
Operator Assisted	Open 🗌	Closed	Lunch	Other
Wireless	Open 🗌	Closed	Lunch	Other
Diagnostics	Open 🗌	Closed	Lunch	Other
Other	Open 🗌	Closed	Lunch	Other
Emergency (911 and E911)	Open 🗌	Closed	Lunch	Other
Off-site Notification	Enabled			

Enabled

CLIR Features

Class of Service, conti	⊠ = Defa	ult		
Customer Defined Group 2				
Internal	Open 🗌	Closed	Lunch	Other
Local	Open 🗌	Closed	Lunch	Other
Long Distance	Open 🗌	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🔲	Closed	Lunch	Other
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🗌	Closed	Lunch	Other
CO/Phone Exchange Code	Open 🗌	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🗌	Closed	Lunch	Other
Operator Assisted	Open 🗌	Closed	Lunch	Other
Wireless	Open 🗌	Closed	Lunch	Other
Diagnostics	Open 🗌	Closed	Lunch	Other
Other	Open 🗌	Closed	Lunch	Other
Emergency (911 and E911)	Open 🗌	Closed	Lunch	Other
Off-site Notification	Enabled			
CLIR Features	Enabled			
Customer Defined Group 3				
Internal	Open 🗌	Closed	Lunch	Other
Local	Open 🗌	Closed	Lunch	Other
Long Distance	Open 🗌	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🗌	Closed	Lunch	Other
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🗌	Closed	Lunch	Other
CO/Phone Exchange Code	Open 🗌	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🗌	Closed	Lunch	Other
Operator Assisted	Open 🗌	Closed	Lunch	Other
Wireless	Open 🗌	Closed	Lunch	Other
Diagnostics	Open 🗌	Closed	Lunch	Other
Other	Open 🗌	Closed	Lunch	Other
Emergency (911 and E911)	Open 🗌	Closed	Lunch	Other
Off-site Notification	Enabled			
CLIR Features	Enabled			

Alternate Carrier (Equal Access #)

Emergency (911 and E911)

Off-site Notification

CLIR Features

Operator Assisted

Wireless Diagnostics

Other

Class of Service, cont	inued		⊠ = Defa	ult
Customer Defined Group 4				
Internal	Open 🗌	Closed	Lunch	Other
Local	Open 🗌	Closed	Lunch	Other
Long Distance	Open 🗌	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🗌	Closed	Lunch	Other
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🔲	Closed	Lunch	Other
CO/Phone Exchange Code	Open 🔲	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other
Alternate Carrier (Equal Access #)	Open 🗌	Closed	Lunch	Other
Operator Assisted	Open 🔲	Closed	Lunch	Other
Wireless	Open 🗌	Closed	Lunch	Other
Diagnostics	Open 🗌	Closed	Lunch	Other
Other	Open 🗌	Closed	Lunch	Other
Emergency (911 and E911)	Open 🔲	Closed	Lunch	Other
Off-site Notification	Enabled			
CLIR Features	Enabled			
Customer Defined Group 5				
Internal	Open 🗌	Closed	Lunch	Other
Local	Open 🗌	Closed	Lunch	Other
Long Distance	Open 🗌	Closed	Lunch	Other
International	Open 🗌	Closed	Lunch	Other
Toll Free	Open 🗌	Closed	Lunch	Other
Toll/Premium	Open 🗌	Closed	Lunch	Other
WAN	Open 🗌	Closed	Lunch	Other
CO/Phone Exchange Code	Open 🗌	Closed	Lunch	Other
Trunk to Trunk	Open 🗌	Closed	Lunch	Other

Open \square

Open \square

Open \square

Open \square

Open \square

Open \square

Enabled

Enabled

Closed

Closed

Closed

Closed

Closed

Closed

Lunch

Lunch

Lunch

Lunch

Lunch

Lunch

Other

Other

Other

Other

Other
Other

Busin	Business Hours (Time of Day Service Modes)					
		C	pen			
Open?		From		То		
	Monday	H:	M:	H:	M:	
	Tuesday	H:	M:	H:	M:	
	Wednesday	H:	M:	H:	M:	
	Thursday	H:	M:	H:	M:	
	Friday	H:	M:	H:	M:	
	Saturday	H:	M:	H:	M:	
	Sunday	H:	M:	H:	M:	

	Lunch					
Open?		From		To		
	Monday	H:	M:	H:	M:	
	Tuesday	H:	M:	H:	M:	
	Wednesday	H:	M:	H:	M:	
	Thursday	H:	M:	H:	M:	
	Friday	H:	M:	H:	M:	
	Saturday	H:	M:	H:	M:	
	Sunday	H:	M:	H:	M:	

Other					
Open?		From		To	
	Monday	H:	M:	H:	M:
	Tuesday	H:	M:	H:	M:
	Wednesday	H:	M:	H:	M:
	Thursday	H:	M:	H:	M:
	Friday	H:	M:	H:	M:
	Saturday	H:	M:	H:	M:
	Sunday	H:	M:	H:	M:

Service Mode Notes	

Call Coverage

☐ Voice Mail

Hunt Grou	_				
he NBX 100 sup _l alling groups.	ports 50 Hunt groups and Ca	alling groups. The Sup	erStack 3 NBX s	ystem supports 1	00 Hunt groups
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
Name	Туре				
	(Linear/Circular)	Password		Extension Assign automatically	Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
		l	l		
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	☐ Phone No.	Total	Per device:
		.		1	
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
Name	Type	Decayword		Eutonsia	
	(Linear/Circular)	Password		Extension Assign automatically	Use:

Auto Attendant Menu:

Timeout

Per device:

Total

☐ Phone No.

Hunt	Groups.	continued
HIUHL	OI OUDS.	Communaca

The NBX 100 supports 50 Hunt groups and	Calling groups.	The SuperStack 3	NBX system	supports 100 I	Hunt groups and
Calling groups.					

Canning groups.					
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
	,	,		1	
Name	Type (Linear/Circular)	Password		Extension	
				☐ Assign automatically	☐ Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	☐ Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
Name	Type (Linear/Circular)	Password		Extension	
				☐ Assign automatically	☐ Use:
	Call Coverage			Timeout	
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Total	Per device:
Name	Type (Linear/Circular)	Password		Extension	
				Assign automatically	☐ Use:
	Call Coverage			Timeout	
	<u>i</u>				

$T\Lambda$	ΡŢ	RΛ	πtρ	$\mathbf{p}_{\mathbf{n}}$	ints	
\mathbf{H}		NO	ute	FO	11115	

A TAPI Route Point is an extension with a voice mailbox in the normal extension range. A SuperStack 3 NBX system can support 100 route points; an NBX 100 system can support 48 route points.

Name	Password	Class of Service		Extension	
		Default Route Point Group	☐ Use:	Assign automatically	☐ Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
					•
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
					•
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
					•
Name	Password	Class of Service		Extension	
		Default Route Point Group	Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
Name	Password	Class of Service		Extension	
		Default Route Point Group	☐ Use:	Assign automatically	☐ Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	

TAPI Route Points, continued

A TAPI Route Point is an extension with a voice mailbox in the normal extension range. A SuperStack 3 NBX system can support 100 route points; an NBX 100 system can support 48 route points.

Name	Password	Class of Service		Extension	
		Default Route Point Group	☐ Use:	Assign automatically	☐ Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
	,	,		,	
Name	Password	Class of Service	T	Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
					•
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
					•
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	☐ Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	☐ Phone No.	Disconnect	
				•	
Name	Password	Class of Service		Extension	
		☐ Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	
Name	Password	Class of Service	ı	Extension	•
		Default Route Point Group	☐ Use:	Assign automatically	Use:
	Call Coverage				Timeout
	☐ Voice Mail	Auto Attendant Menu:	Phone No.	Disconnect	

Calling G	roups	

The NBX 100 can support a total of 50 Hunt groups and Calling groups. The SuperStack 3 NBX system can support 100 Hunt groups and Calling groups.

Group Name	Description	Authorization Code/Password (if any)

Call	Pickup	Group	S	

You can create up to 32 Call Pickup groups on the NBX 100; up to 100 on the SuperStack 3 NBX system.

Group ID	Group Name	Allow Non-Member Pickup
		Yes No No

Dial Plan

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

Notes:

- The extensions used for Call Park must be included in the External range. If they are not, the Park features do not work.
- Do not change the reserved Auto Attendant extension numbers 500 and 501.
- TAPI Route Point extensions are within the extension range for telephones.
- See the Dial Plan chapter in the *Administrator's Guide* for more information.
- The NBX 100 uses a default 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.
- The SuperStack 3 NBX uses a default 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.

Dial Plan, continued

Routes					
Destination Routes New Route Route Name					
Route 1	Local CO				
Route 2	Local CO no strip				
Route 3	Voice application				
Route 4	Auto Attendant				
Route 5	H.323 Gateway				
Route 6	Virtual Tie Lines				
Route 8	Dial 8 Pool				

By default, destination Route 2 is used for 911 and E911.

Destination Ope	Destination Operations						
Route	Entry	Operation	Op ID	Value			

Notes:

- Operation and Extension Entry numbers must correspond.
- An asterisk (*) must be used before Destination extension numbers.

Destination Exte	Destination Extensions					
Entry No.	Route	Extension				

Dial	Plan	continuo	ha
Dial	гійіі.	сонини	ZUI

Timed Routes - Descriptions					
Route ID	Destination	Description			

Timed Routes - Entries						
Route ID	Entry ID	Start	End	Days	Destination Route	

Notes:

- To omit a day of the week, replace Day with a period (.)
- Days are listed in SMTWTFS order.

Timed Routes - Operation					
Route ID	Entry ID	Operator ID	Operation	Value	

Pretransl	Pretranslators						
Description		Translatio	Translation Entries				
ID No.	Translate these items	ID No.	Entry	Digits			

Dial	Dlan	continued
Diai	Plan.	continuea

Pretranslator ID No.	Entry	Operation. ID	Operation	Value

Table ID	Entry ID	Digits	Minimum Digits	Maximum Digits	Class of Service	Priority	Route
	·	0	U	S			
							-

Peripheral Devices	
External Paging/Alerts	
Paging Amplifier: Yes No Make:	Model:
	Model.
Adapter required:	
External alerts? Yes No Make:	Model:
Ringers/Music on Hold (MOH)	
Door Telephone? Yes No Make:	Model:
	Wiodei.
Will MOH be implemented? Yes No	
MOH source:	Yes No
Connector cable being supplied? (1/8 in. phone jack cable)	ies No
Peripheral Devices Notes	
retipheral Devices Notes	

CO/	Telephone Exchan	ge Lines					
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	[MAC Add	ress	
	PFT (North America only)						
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	[MAC Add	ress	
	PFT (North America only)						
			•				
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext. Pool		MAC Add	ress		
	PFT (North America only)						
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext. Poo		l MAC Add		ress	
	PFT (North America only)						
_	T					1	.
No.	Location or Demarcation	Telephone Numb	er	Hunt Sequence		Chassis	Slot
	Port	Ext.	Poo	Į	MAC Add	lress	
	PFT (North America only)						
	T	<u> </u>					1
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	[MAC Add	dress	
	PFT (North America only)						
	Т	T					T
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo		MAC Add	ress	
	PFT (North America only)						
3.7	I	T m 1				CI :	GL .
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Γ		1				
	Port	Ext.	Poo	[MAC Add	ress	
	PFT (North America only)						

CO/Telephone Exchange Lines, continued							
No.	Location or Demarcation	Telephone Numb		Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	1	MAC Ado	dress	1
	PFT (North America only)	LAt.	100	ı	WITC TIE	aress	
	11 1 (North America omy)		ļ				
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	eauence	Chassis	Slot
		- cooperation			1		
				T - 2		1	
	Port	Ext.	Poo	pool MAC Add		uress	
	PFT (North America only)						
No.	Location or Demarcation	Talanhana Numb	.0*	Llunt Ca	auanaa	Chassis	Slot
NO.	Location of Demarcation	on or Demarcation Telephone Number Hunt Sequence		equence	Chassis	5101	
					ı		
	Port	Ext.	Poo	l	MAC Ado	dress	
	PFT (North America only)						
	1			Т		<u></u>	
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	l	MAC Address		
	PFT (North America only)						
		•					
No.	Location or Demarcation	Telephone Numb	er	Hunt Sequence Chassis		Chassis	Slot
	Port	Ext.	Poo	1	MAC Address		
	PFT (North America only)						
	, , , , , , , , , , , , , , , , , , , ,		I		l		
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
	Port	Ext.	Poo	1	MAC Add	drece	1
	PFT (North America only)	LAt.	100	1	WINC Au	diess	
	11 1 (North America omy)						
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
1,0,	Document of Deminion	Telephone I tumo	-	Traine S.	quenee	Cilassis	5100
		1_	1 .				
	Port	Ext. Pool		ol MAC Addres		dress	
	PFT (North America only)						
N	Location on Deve	Tolomb N. 1		11,4 0		Charrie	Clot
No.	Location or Demarcation	Telephone Numb	er	Hunt Se	equence	Chassis	Slot
			1		T		
	Port	Ext.	Poo	1	MAC Ado	dress	
	PFT (North America only)						

Button Mapping Groups, 3102 Business Telephone			
Default 3102 Business Group		Customer Defined 1	
Feature Feature	Headset •	Od	• 🔾
Transfer to VMail	• 🔾	Od	• 🔾
Call Park	• 🔾	Od	• 🔾
Oa	• 🔾	Od	• (
Od	• 🔾	Od	• (
Od	• 🔾	Od	• (
System	• 🔾	System	• (
System	• 🔾	System	• (
System	Release D	System	• 🔾
Customer Defined 2	1	Customer Defined 3	
Oa	• 🔾	0	• 0
Oa		O	
Od		Od	
Od		Od	
Oa	• 🔾	0	• (
O a	• (0	• (
System	• (System	• (
System	• (System	• (
System	• 🔾	System	• (

Button Mapping Groups, 2102 and 1	Customer Defined 1
Feature Transfer to VMail Call Park Flash Release 10 Release	Feature Transfer to VMail Call Park Flash Release Release

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

Button Mapping Groups, 3101 and 3101SP Basic Telephones

Default 3101 Bas	sic Telephone Gro	пр	
System	System	Feature	Transfer
Customer Defin	ed 1		
Customer Define	ed 2		
Customer Define	ed 3		
Customer Define	ed 5		
Customer Define	ed 5		
Customer Define	ed 6		

Button Mapping Groups, 2101 Basic Telephone Default Basic Telephone Group Call Toggle Feature Transfer **Customer Defined 1 Customer Defined 2 Customer Defined 3 Customer Defined 4 Customer Defined 5 Customer Defined 6**

	r Configurati		. 37		<u> </u>	
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Gr	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Gr	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	First Name		Room Location	Class of Service Group
	Button Mapping Group Hunt Group		<u> </u>	Calling Group	Call Pickup Group	
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group		Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Gr	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group	
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group	

No.	Last Name	Fire	First Name Ext.		Room Location	Class of Service Group
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name First Name		Ext.	Room Location	Class of Service Group	
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping G	roup	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	Fire	st 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
						1
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
						1
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fire	st Name	Ext.	Room Location	Class of Service Group
. 10.	Lust Hame	111	3. I WIIIC	LAI.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group		ı	Calling Group	Call Pickup Group	

Use No.	Vo. Last Name First Name Ext.				Room Location	Class of Service Group
10.	Last Ivanic	111	st Ivallic	Ext.	Room Location	Class of Scrvice Group
	Button Mapping G	roup	Hunt Group	1	Calling Group	Call Pickup Group
No.	Last Name First Name		st Name	Ext.	Room Location	Class of Service Group
	Button Mapping G	roup	Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name Ext.		Room Location	Class of Service Group
	Button Mapping G	roup	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	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Gro		Hunt Group		Calling Group	Call Pickup Group
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group	
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group	
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group	

User Configuration	n, continued
Osci Comiguiano	n, commucu

CDC	Comigaranon	comiguration, continued						
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
			T., a					
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
No.	Last Name	Fire	st Name	Ext.	Room Location	Class of Service Group		
110.	East I valle		ot i tuille	Ext.	Room Eccuron	Class of Berviee Group		
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
			T					
	Button Mapping Group Hunt Group			Calling Group	Call Pickup Group			
		I .		ı				
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
			T					
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		
	110				0r	1 1		
No.	Last Name	Fir	st Name	Ext.	Room Location	Class of Service Group		
						1		
	Button Mapping Group)	Hunt Group		Calling Group	Call Pickup Group		

No.	Last Name	First Name	Extension		
	Room Location	DID Number			
NT -	L t N	First Name	E		
No.	Last Name	First Name	Extension		
	Room Location	DID Number			
N.T.	I AN	E' AN	F		
No.	Last Name	First Name	Extension		
	Room Location	DID Number	DID Number		
	Toom Boulon	DID Number			
No.	Last Name	First Name	Extension		
110.	Edit Name	Thistivanie	Extension		
	Room Location	DID Number	D 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	
N.T.	Last Name	E' AN	F
No.	. Last Ivallie	First Name	Extension
	Room Location	DID Number	
	Room Location	DID Nullioei	
			<u> </u>
No.	Last Name	First Name	Extension
	1		
	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
NO.	Last Name	First Name	Extension
	Room Location	DID Number	
	T		
No.	Last Name	First Name	Extension
	<u> </u>		
	Room Location	DID Number	

No.	Last Name	First Name	Extension		
	Room Location	DID Number			
No.	Last Name	First Name	Extension		
INO.	Last Name	Trist Name	Extension		
	Room Location	DID Number			
		Т.			
No.	Last Name	First Name	Extension		
	Room Location	DID Number			
No.	Last Name	First Name	Extension		
	Room Location	DID Number	DID Number		
No.	Last Name	First Name	Extension		
	Room Location	DID Number			
No.	Last Name	First Name	Extension		
	Room Location	DID Number	•		
	Tr	Tr W	In		
No.	Last Name	First Name	Extension		
	Room Location	DID Number			
	Room Location	DID Nullioei			
	<u> </u>	I			
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	
N.T.	Last Name	E' AN	F
No.	. Last Ivallie	First Name	Extension
	Room Location	DID Number	
	Room Location	DID Nullioei	
			<u> </u>
No.	Last Name	First Name	Extension
	1		
	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
NO.	Last Name	First Name	Extension
	Room Location	DID Number	
	T		
No.	Last Name	First Name	Extension
	<u> </u>		
	Room Location	DID Number	

Automated Attendant	
	Yes No 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		

Automated Attendant — 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		

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		

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		

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		

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		

Automated Attendant Sub Menus	, continued				
Time-Dependent Greetings					
Greeting Name:					
Time of Day Dependent					
Start Time:	Mon 🗌 Tue 🗌 Wed 📗 Thu 🗎 Fri 🗌 Sat 🗌 Sun 🗍				
Hour: Min.: A.M.					
Date Range Dependent					
Start Day (MM/DD/YYYY):	End Day (MM/DD/YYYY):				
Start Time:	End Time:				
Hour: Min.: A.M.	Hour: Min.: A.M.				
Automated Attendant Notes (special greetings requi	red, for instance)				

Voice Mail						
NBX 100 System						
4 ports x 30 min (standard)	Number of minutes per user class:	Phantom Yes No mailboxes?				
4 ports x 4 hr* (upgrade)	Max. number of messages: (1-512)	If yes, how many?				
6 ports x 20 hr* (upgrade)	New message retention: (1-255 days)					
12 ports x 80 hr* (upgrade) □	Max. incoming message length: (1-10 minutes)					
*Requires license key code for activation						
SuperStack 3 NBX System						
12 ports (standard)	Number of minutes per user class:	Phantom Yes No mailboxes?				
24 ports* (upgrade)	Max. number of messages: (1-512)	If yes, how many?				
48 ports* (upgrade)	New message retention: (1-255 days)	ii yes, now many.				
72 ports* (upgrade)	Max. incoming message length: (1-10 minutes)					
100 ports* (upgrade) □						
*Requires license key code for activation						
Notes						