

NORTEL NORSTAR

MICS-XC 4.1 Programming Record



**Use with
MICS-XC
4.1 software**

A separate
programming record is
provided for
MICS 4.1 software

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Customer/Company	Supplier
Address	Customer service representative
	Telephone
Telephone	
Billing number	Installer
System coordinator	Installation date

All defaults (for the PBX template) are shown in bold and underlined text.

Copying set programming

You can use COPY to copy programming from one telephone to other set, a range of sets or all the sets. Depending on where the display button is pressed, you will copy either all the programming for a telephone or only the programming found under one of the individual sub-headings.

For general set copying, you can choose what part of the programming will be used. The choices are:

- System – the system administration programming (system data) of a set
- System + User – the system administration programming PLUS the programming for a particular set (user data), with the following exceptions:

System Data which will be copied:		System data which will NOT be copied:
Line access Line assignment Answer DN's (unless Answer button DN is same as set being copied to) Line pool access Prime line designation Number of intercom keys Restrictions Line/set restrictions Set restrictions Set Lock Allow Last Number Redial Allow Saved Number Redial Allow Link Capabilities Allow Redirect Call Forward No Answer (DN or Route + number + delay) Call Forward Busy (DN or Route + number)	Redirect Ring Auxiliary Ringer DND on Busy Hotline Handsfree Answerback Handsfree Setting Direct-dial (which set is reached by the D-Dial digit) Pickup Group Paging Paging Zone Priority call SLR redirection Receive tones ATA ans timer MsgIndicate (for ATA)	Line access Private line appearances Capabilities Set Name Telco features Log space Passwords Call log password CAP assignment Direct-dial set designation ExtraDial set designation Service mode ringing set designation Prime set designation for a line Hunt group appearances
	Telco Features Call log set (<i>Logging set</i>) 1stDisplay	

User data which will be copied:	User data which will be copied if destination set type is the same as the source set type:	User data which will NOT be copied:
Language choice Ring type Calls log options (<i>Auto logging</i>) Display contrast Dialing options (automatic, predial, standard)	External autodial button assignments Internal autodial button assignments Programmable button assignments	CAP module memory button assignments Ring volume User speed dial entries

Installed equipment

OX32 ICS

Telephones

Quantity	Equipment	Quantity	Equipment
	Integrated Communication System (ICS)		M7100
	MICS-XC 4.1 Software Cartridge		M7208
	Expansion Cartridge 2-port (fiber)		M7310
	Expansion Cartridge 6-port (fiber)		M7310 with Busy Lamp Field (BLF)
	6-port Expansion and IVD Services (Combo card)		M7324
	Expansion Cartridge 2-port (copper) (Profiles 1 and 4 only)		M7324 with 1 central answering position (CAP)
	Expansion Cartridge 6-port (copper) (Profiles 1 and 4 only)		M7324 with 2 central answering positions (CAP)
	Digital Trunk Interface (DTI)		International set (Profiles 2, 3 and 4)
	Trunk Cartridge, Loop Start (ICS or Trunk Module)		Single-line telephone
	Trunk Cartridge, Loop Start (Trunk Module)		Emergency telephone
	Trunk Cartridge, E&M/DISA		Companion C3020 Portable Telephone
	Trunk Cartridge, DID		Companion C3020 Portable Telephone charger
	Trunk Cartridge, CI		Companion C3050 Portable Telephone
	Services Cartridge		Companion C3050 Portable Telephone charger
	Trunk Module (fiber)		Companion C3060 Portable Telephone
	Trunk Module (copper) (Profiles 1 and 4 only)		Companion C3060 Portable Telephone charger
	Station Module (fiber)		
	Station Module (copper) (Profiles 1 and 4 only)		
	Remote Power Interconnect		
	Plug Top Power Supply		
	C1110 Base Stations (PCI)		
	2-line Basic Rate U I/F line card (Profiles 1 and 4 only)		
	4-line Basic Rate U I/F line card (Profiles 1 and 4 only)		
	2-line Basic Rate ST I/F line card (Profiles 2 and 3 only)		
	4-line Basic Rate ST I/F line card		

Data terminals

Auxiliary equipment

Quantity	Equipment	Quantity	Equipment
	Analog Terminal Adapter (ATA)		External paging equipment
			External music source
			Station auxiliary power supply
			Auxiliary ringer
			Shoulder rest
			Radio frequency (RF) filter kit
			Headset
			CTA 500dm
			IDM 200 Data Module (Profile 1 only)
			BayStack Data Module (Profile 1 only)
			Synchronous Data Interface (SDI) (Profile 1 only)

Programming overview (Profiles 1 and 4)

Profile	PROF.1
Dialpad	Q, Z:0
Startup	
Template	PBX
Start DN	221
Terminals&Sets	
<i>Show set: _</i>	
Line access	
Line assignment	
<i>Show line: _</i>	
(If it is a Non-DID line)	
L001	Unassigned
(If it is a DID line)	
L001	1
(If PRI)	
L001:	PRI-A
LinePool access	
LinePool PRI-A	N
Prime line	VC
Intercom keys	2
Answer DN's	
<i>Show set: _</i>	
222	Unassigned
OLI#	None
OLI as call'd #	N
Capabilities	
Fwd no answer	
Fwd to	None
Forward delay	4
Fwd on busy	
Fwd to	None
DND on Busy	N
Handsfree	None
HF answerback	Y
Pickup grp	None
Page zone	1
Paging	Y
D-Dial	Set1
Priority Call	N
Hotline	None
(if Hotline=Extrnl and number specified)	Use prime line
Aux. ringer	N
Allow redirect	N
Redirect ring	Y
ATA settings	

ATA ans timer	Z
ATA use	Off site
MsgIndicate	None
Name	221
User preferences	
Model	M7208
Button prgrming	
User speed dial	
Call log opt'ns	
	No one answered
Dialing opt'ns	
	Standard dial
Language	English
Display cntrst	4
Ring type	1
Restrictions	
Restr'n filters	
<i>Show filter: _</i>	
Restrn flt 00	No restrictions
Restrn flt 01	
Restrn 01	
Deny	0
No overrides	
Set restrns	
Filters	
Normal	02
Night	11
Evening	12
Lunch	13
Sched 4	00
Sched 5	00
Sched 6	00
Set lock	None
Allow last no	Y
Allow saved no	Y
Allow link	Y
Line/set rstrns	
<i>Show line: _</i>	
Normal	None
Night	None
Evening	None
Lunch	None
Sched 4	None
Sched 5	None
Sched 6	None
Telco features	
CLASS assignm't	
<i>Show line: _</i>	
Call log set	N
Ext'l VM'sg set	N
1st Display	Name
Called ID	N
Log space	
Log 0 Pool	600

Lines	
<i>Show line: _</i>	
Trunk/Line data	
(If Target Line)	
Line type	Public
Rec'd #	None
PrimeSet	221
CLID Set	None
(CLID set for target line is same as set that has appearance on that target line)	
Aux. ringer	N
If busy	PrimeSet
(If T1 and Loopstart)	
Trunk Type	Loop
Line type	Pool A
Dial mode	Tone
PrimeSet	221
CLID Set (analog only)	None
Auto privacy	Y
Trunk mode	Unspr
Ans mode	Manual
Ans with DISA	Y
Link at CO (analog only)	N
Aux. ringer	N
Full AutoHold	N
LossPkg	MediumCO
(If T1 and Groundstart)	
Trunk Type	Ground
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
(If T1 and E&M)	
Trunk Type	E&M
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
(If T1 and DID)	
Trunk Type	DID
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Ans mode	Manual
Ans with DISA	Y

Link at CO	N
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
(If T1 and Fixed (Profile 1 only))	
Trunk Type	Fixed
(If BRI-ST, BRI-U2 or BRI-U4)	
Trunk Type	BRI-ST
Line type	Pool A
PrimeSet	221
CLID Set	None
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Full AutoHold	N
(If PRI Lines 001 to 023, 025 to 047)	
Trunk Type	PRI
Line type	PRI-A for 001-023 PRI-B for 025-047
PrimeSet	221
Name	Line001
Restrictions	
Restr'n filters	
<i>Show filter: _</i>	
Restrn flt 00	No restrictions
Restrn flt 01	
Restrn 01	
Deny	0
No overrides	
Line restrns	
Normal	03
Night	21
Evening	22
Lunch	23
Sched 4	00
Sched 5	00
Sched 6	00
Remote restrns	
Normal	04
Night	31
Evening	32
Lunch	33
Sched 4	00
Sched 5	00
Sched 6	00
Telco features	
VM'sg center	1

Services	
Ringing service	
Ringing groups	
Show group: _	
Ring grp 01	
Show set: _	
221	Assigned
222	Unassign
Sched: Night	
Service	Off
Trunk answer	Y
ExtraDial	221
Line settings	
Show line: _	
Ring grp	001
Aux. ringer	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	
Restr'n service	
Sched: Night	
Service	Off
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	
Routing service	
Routes	
Show route: _	
DialOut	no number
Use: PoolA..., Pool O, PRI-A, PRI-B	
(If PRI-A or PRI-B)	
SvcType:	Public
(If service type is Tie, FX, OUTWATS, requires service id)	
Service id:	
<valid service id #>	None
(If Protocol is SL-1 or Tie service type)	
DN type:	Public
Dest codes	
Show DstCode: _	
DstCode:	
Normal	000
Digit absorb	All
Night	None
Digit absorb	All
Prv DN len	3
Dial timeout	
Dial timeout	4
Carrier codes	
Prfx: 101...	
Prfx: NNNNNN...	

Pub DN lengths	
Show prefix: _	
Prfx: Deflt	Z
Prfx: 011	
Sched: Night	
Service	Off
Overflow	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	
Common settings	
Control sets	
For lines	
Show line: _	
L001	221
For sets	
Show set: _	
221	221
Schedule names	
Sched 1	Night
Sched 2	Evening
Sched 3	Lunch
Sched 4	Sched 4
Sched 5	Sched 5
Sched 6	Sched 6
Schedule times	
Monday	
Sched: Night	
Start time	23:00
Stop time	07:00
Sched: Evening	
Start time	17:00
Stop time	23:00
Sched: Lunch	
Start time	12:00
Stop time	13:00
Sched: Sched 4	
Start time	00:00
Stop time	00:00
Sched: Sched 5	
Start time	00:00
Stop time	00:00
Sched: Sched 6	
Start time	00:00
Stop time	00:00
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
Sys speed dial	
Speed dial #: _	
01:	No number
(if number is programmed)	
Display digits	Y

(if Display digits=N)	
Name	Sys Spd Dial 01
Bypass restr'n	N
Passwords	
COS pswds	
Show pswd #: _	
COS pswd #00	None
Pswd 00	None
User flt	None
Line flt	None
Remote pkg	None
Call log pswds	
Show set: _	
Log pswd	None
Progming pswds	
Installer	266344
(CONFIG)	
SysAdmin+	727587
(SCPLUS)	
Sys admin	23646
(ADMIN)	
Basic	22742
(BASIC)	
Reg. pswd	72346
Hospitality	
Desk pswd	4677
(HOSP)	
Cond pswd	None
Time&Date	
Hour	01
Minutes	00
Year	99
Month	01
Day	01
System prgming	
Hunt groups	
Show group: _	
HGnn: <DN>	
Member DN's	
M001:	Appr&Ring
Line assignment	
Show line: _	
Lnnn:	Unassigned
Mode:	Broadcast
Hunt delay:	4
If busy:	BusyTone
Timeout:	60

Overflow:	<DN> or <hunt group DN>
Name:	<7 characters>
Change DNs	
Old DN: _	Max. 7 digits
New DN: _	Max. 7 digits
Feat'r settings	
Backgrnd music	N
On hold	Tones
Receiver volume	Use sys volume
Camp timeout	45
Park timeout	45
Park mode	Lowest
Trnsfr callbk	4
DRT to prime	Y
DRT delay	4
Held reminder	N
Remind delay	60
Directd pickup	Y
Page tone	Y
Page Timeout	180
Daylight time	Y
AutoTime&Date	Y
Call log space	
Reset all logs?	
Space/log	
Host delay	1000
Link time	600
AlarmSet	221
Set relocation	N
Msg Reply enh	N
Anskey:	Basic
Direct-dial	
D-Dial 1	Intrnl
Use prime line	
CAP assignment	
CAP1	None
Access codes	
Line pool codes	
Line pool A	9
Park prefix	1
Extrnl code	None
Direct-dial	0
Auto DN	None
DISA DN	None
Remote access	
Rem access pkg's	
Show pkg: _	
00	
LinePool access	
PRI-A	N
PRI-B	N
Pool A (9)	N
Pool B ()	N

Remote page	N
01	N
LinePool access	
PRI-A	N
PRI-B	N
Pool A (9)	Y
Pool B ()	N
Remote page	N
Rem line access	
Show line:_	
L001 Rem pkg	00
<hr/> Change DN type <hr/>	
Show DN	
637	Portable
<hr/> Companion <hr/>	
Registration	
Registration	N
Portable DNs	
Show DN:	
637	Available
Radio data	
Re-evaluation	
Status:	
Schedule:	
Radios	
Cell assignment	
Show radio:	Unassigned
Antenna type	
Show radio:	Internal
Cells	
Show cell:_	
Cell radios	
Show radio:	Unassigned
Cell nghbrs	
Show nghbr:	Unassigned
Cell rad nghbrs	
ShowRadNghbr:	Unassigned
System LID:	
Rec'd # length	3
DN length	3
Nat'nl length	10
BusName	None
<hr/> CbC limits <hr/>	
Pool PRI-A	
Service: Public	
Min in	
Max in	
Min out	
Max out	
Service: Tie	
Service: FX	
Service: OUTWATS	
Service: 800	
Pool PRI-B	
<hr/> Release reasons <hr/>	
Text:	None

<hr/> Hospitality <hr/>	
Room/desk info	
Show set:___	
Room #: _	
Adm pwd req'd:	Y
Call restrns	
Vacant:	00
Use flt:___	
Basic:	00
Mid:	00
Full:	00
Service time	
Hour:	00
Minutes:	00
Alarm	
Attn attempts:	3
Retry intrvl:	4
Attn duration:	15
Time format	12hr
<hr/> Telco features <hr/>	
VMsg ctr tel#s	
VMsg center 1	
Tel#	No number
VMsg center 2	
VMsg center 3	
VMsg center 4	
VMsg center 5	
<hr/> ONN blocking <hr/>	
Analog VSC	
Tone	None
Pulse	None
BRI VSC	
Code	None
<hr/> Software keys <hr/>	
(Used to activate Companion, ISDN PRI and fixed access trunks/WAN access for Data Modules)	
SysID (8 digits)	
<hr/> Password keys <hr/>	
Key 1 (8 digits)	
Key 2 (8 digits)	
Key 3 (8 digits)	
<hr/> Hardware <hr/>	
Show Module:_	
Cards on KSU	
Cd1-KSU	Loop
Card type	Loop
Lines	
Discon timer	460

(If T1 card)	
Card type	T1
Lines	
Discon timer	460
Answer timer	2
CO fail	T1A-547A
I/F levels	ISDN
Framing	ESF
Internal CSU	On
CSU line bld	0
DSX1 bld	000-100
Line coding	B8ZS
Clock Src	Primary
(If PRI card)	
Card type:	PRI
Lines	
(If more than one Protocol)	
Protocol	NI-2
BchanSeq	Descend
CbC Routing	
(If Protocol is DMS-100)	
CbC values	
FX	None
800	None
(If Protocol is NI-2)	
CbC values	
FX	None
800	None
(If Protocol is DMS-250)	
CbC values	
FX	None
800	None
900	None
(If Protocol is AT&T-4ESS)	
CbC values	
FX	None
800	None
1800	None
900	None
SDS	None
CO fail	T1A-547A
I/F levels:	ISDN
Framing	ESF
Internal CSU	On
CSU line bld	0
Line coding	B8ZS
Clock Src	Primary
(If DID card)	
Card type	DID
Lines	
(If E&M card)	
Card type	E&M
Lines	
Answer timer	2
(If BRI card)	
Card type	
Loops	
Loop aaa	
Type	I
Protocol	
Sampling	Fixed
(For S and LT)	
Assign DNs	
Show DN:_	Availabl
Loop DN:_	None

(For T & NT)	
SPIDn	
# of B-channls	1
Network DNs	
DN1	
Call type	Both
D-packet service	
D-packet servc	
LPnnn	None
TEIs	
TEI	
Clock Src	Primary
ONN blk	SuprsBit
DataMod settings Profile 1 only (If DataMod=IDM 200)	
Type	IDM 200
Fixed access	
Show line:___	
L001:	Unassigned
L001:	Channel:xx
DataMod NVRAM	
(If DataMod=BayStack)	
Type	BayStack
IP address	
Fixed access	
Show line:___	
L001:	Unassigned
L001:	Channel:xx
Switched access	
Line assignment	
Show line:___	
L001:	Unassigned
Dial-In:	None
LinePool access	
LinePool PRI-A:	N
L001:	Unassigned
(If DataMod=SDI)	
Type	SDI
Config	
Ptl	V.35
DSO rate	64k
TxClk src	Auto
TxClk invrsn	Off
Data invrsn	Off
Fixed access	
Show line:___	
L001:	Unassigned
L001:	Channel:xx
Lp state	None
Lpbk	Off
Cd2-KSU	Loop
Mod 03 to 14	StnMod
<hr/> Maintenance <hr/>	
System version	
<hr/> Port/DN status <hr/>	
Module status	
<hr/> Sys test log <hr/>	
<hr/> Sys admin log <hr/>	

Network evt log

Provisioning

Tests

CSU stats

Diagnostic tools

Link status

Usage Metrics

Hunt groups

Call by call

Programming overview (Profiles 2 and 3)

Profile	PROF.1	Name	221	Lines		Link at CO	N
Dialpad	<u>Q, Z:0</u>	User preferences		<i>Show line: _</i>		Aux. ringer	N
Startup		Model	<u>M7208</u>	Trunk/Line data		Signal	<u>Winkstart</u>
Template	<u>PBX</u>	Button prgrming		(If Target Line)		ANI number	N
Start DN	<u>221</u>	User speed dial		Line type	<u>Public</u>	DNIS number	N
Terminals&Sets		Call log opt'ns		Rec'd #	<u>None</u>	Gain	<u>Normal</u>
<i>Show set: _</i>		No one answered		PrimeSet	<u>221</u>	(If BRI-2 or BRI-ST)	
Line access		Dialing opt'ns		CLID Set	<u>None</u>	Trunk Type	<u>BRI-ST</u>
Line assignment		<u>Standard dial</u>		(CLID set for target line is same as set that has appearance on that target line)		Line type	<u>Pool A</u>
<i>Show line: _</i>		Language	<u>English</u>	Aux. ringer	<u>N</u>	PrimeSet	<u>221</u>
(If it is a Non-DID line)		Display cntrst	<u>4</u>	If busy	<u>PrimeSet</u>	CLID Set	<u>None</u>
L001	<u>Unassigned</u>	Ring type	<u>1</u>	(If T1 and Loopstart)		Auto privacy	<u>Y</u>
(If it is a DID line)		Restrictions		Trunk Type	<u>Loop</u>	Ans mode	<u>Manual</u>
L001	<u>1</u>	Restrtn filters		Line type	<u>Pool A</u>	Ans with DISA	<u>Y</u>
LinePool access		<i>Show filter: _</i>		Dial mode	<u>Tone</u>	Aux. ringer	N
LinePool A	<u>Y</u>	Restrn flt 00	<u>No restrictions</u>	PrimeSet	<u>221</u>	Full AutoHold	N
Prime line	<u>Y/C</u>	Restrn flt 01		CLID Set (analog only)	<u>None</u>	Name	<u>Line001</u>
Intercom keys	<u>2</u>	Restrn 01		Auto privacy	<u>Y</u>	Restrictions	
Answer DN's		Deny	<u>0</u>	Trunk mode	<u>Unspr</u>	Restrtn filters	
<i>Show set: _</i>		No overrides		Ans mode	<u>Manual</u>	<i>Show filter: _</i>	
222	<u>Unassigned</u>	Set restrns		Ans with DISA	<u>Y</u>	Restrn flt 00	<u>No restrictions</u>
OLI#	<u>None</u>	Filters		Link at CO (analog only)	<u>N</u>	Restrn flt 01	
Capabilities		Normal	<u>02</u>	Aux. ringer	<u>N</u>	Restrn 01	
Fwd no answer		Night	<u>11</u>	Full AutoHold	<u>N</u>	Deny	<u>0</u>
Fwd to	<u>None</u>	Evening	<u>12</u>	LossPkg	<u>MediumCO</u>	No overrides	
Forward delay	<u>4</u>	Lunch	<u>13</u>	(If T1 and Groundstart)		Line restrns	
Fwd on busy		Sched 4	<u>00</u>	Trunk Type	<u>Ground</u>	Normal	<u>03</u>
Fwd to	<u>None</u>	Sched 5	<u>00</u>	Line type	<u>Pool A</u>	Night	<u>21</u>
DND on Busy	<u>N</u>	Sched 6	<u>00</u>	Dial mode	<u>Tone</u>	Evening	<u>22</u>
Handsfree	<u>None</u>	Set lock		PrimeSet	<u>221</u>	Lunch	<u>23</u>
HF answerback	<u>Y</u>	Allow last no	<u>Y</u>	Auto privacy	<u>Y</u>	Sched 4	<u>00</u>
Pickup grp	<u>None</u>	Allow saved no	<u>Y</u>	Ans mode	<u>Manual</u>	Sched 5	<u>00</u>
Page zone	<u>1</u>	Allow link	<u>Y</u>	Ans with DISA	<u>Y</u>	Sched 6	<u>00</u>
Paging	<u>Y</u>	Line/set rstrns		Aux. ringer	<u>N</u>	Remote restrns	
D-Dial	<u>Set1</u>	<i>Show line: _</i>		(If T1 and E&M)		Normal	<u>04</u>
Priority Call	<u>N</u>	Normal	<u>None</u>	Trunk Type	<u>E&M</u>	Night	<u>31</u>
Hotline	<u>None</u>	Night	<u>None</u>	Line type	<u>Pool A</u>	Evening	<u>32</u>
(if Hotline=Extrnl and number specified)		Evening	<u>None</u>	Dial mode	<u>Tone</u>	Lunch	<u>33</u>
<u>Use prime line</u>		Lunch	<u>None</u>	PrimeSet	<u>221</u>	Sched 4	<u>00</u>
Aux. ringer	<u>N</u>	Sched 4	<u>None</u>	Auto privacy	<u>Y</u>	Sched 5	<u>00</u>
Allow redirect	<u>N</u>	Sched 5	<u>None</u>	Ans mode	<u>Manual</u>	Sched 6	<u>00</u>
Redirect ring	<u>Y</u>	Sched 6	<u>None</u>	Ans with DISA	<u>Y</u>	Telco features	
ATA settings		Telco features		Aux. ringer	<u>N</u>	VMsg center	<u>1</u>
ATA ans timer	<u>Z</u>	CLASS assignmnt		Signal	<u>Winkstart</u>	Services	
ATA use	<u>Off site</u>	<i>Show line: _</i>		ANI number	<u>N</u>	Ringng service	
MsgIndicate	<u>None</u>	Call log set	<u>N</u>	DNIS number	<u>N</u>	Ringng groups	
		Extl VMsg set	<u>N</u>	Gain	<u>Normal</u>	<i>Show group: _</i>	
		1st Display	<u>Name</u>	(If T1 and DID) Profile 3 only		Ring grp 01	
		Called ID	<u>N</u>	Trunk Type	<u>DID</u>	<i>Show set: _</i>	
		Log space		Line type	<u>Pool A</u>	221	<u>Assigned</u>
		Log 0 Pool	<u>600</u>	Dial mode	<u>Tone</u>	222	<u>Unassign</u>
				PrimeSet	<u>221</u>		
				Ans mode	<u>Manual</u>		
				Ans with DISA	<u>Y</u>		

Sched: Night	
Service	Off
Trunk answer	Y
ExtraDial	221
Line settings	
Show line: _	
Ring grp	001
Aux. ringer	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Restrn service

Sched: Night	
Service	Off
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Routing service

Routes	
Show route: _	
DialOut	no numbr
Use: PoolA..., Pool O,	
Dest codes	
Show DstCode: _	
DstCode:	
Normal	000
Digit absorb	All
Night	None
Digit absorb	All
Sched: Night	
Service	Off
Overflow	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Common settings

Control sets	
For lines	
Show line: _	
L001	221
For sets	
Show set: _	
221	221
Schedule names	
Sched 1	Night
Sched 2	Evening
Sched 3	Lunch
Sched 4	Sched 4
Sched 5	Sched 5
Sched 6	Sched 6
Schedule times	
Monday	

Sched: Night	
Start time	23:00
Stop time	07:00
Sched: Evening	
Start time	17:00
Stop time	23:00
Sched: Lunch	
Start time	12:00
Stop time	13:00
Sched: Sched 4	
Start time	00:00
Stop time	00:00
Sched: Sched 5	
Start time	00:00
Stop time	00:00
Sched: Sched 6	
Start time	00:00
Stop time	00:00
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Sys speed dial

Speed dial #: _	
01:	No number
(if number is programmed)	
Use prime line	
Display digits	Y
(if Display digits=N)	
Name	Sys Spd Dial 01
Bypass restr'n	N

Passwords

COS pswds

Show pswd #: _	
COS pswd #00	
Pswd 00	None
User flt	None
Line flt	None
Remote pkg	None

Call log pswds

Show set: _	
Log pswd	None

Progming pswds

Installer	266344
(CONFIG)	
SysAdmin+	727587
(SCPLUS)	
Sys admin	23646
(ADMIN)	
Basic	22742
(BASIC)	
Reg. pswd	72346

Hospitality

Desk pswd	4677
(HOSP)	
Cond pswd	None

Time&Date

Hour	01
Minutes	00
Year	99
Month	01
Day	01

System prgming

Hunt groups

Show group: _	
HGnn: <DN>	
Member DNs	
M001: Appr&Ring	
Line assignment	
Show line: _	
Lnnn: Unassigned	
Mode: Broadcast	
Hunt delay: 4	
If busy: BusyTone	
Timeout: 60	
Overflow: <DN> or	
<hunt group DN>	
Name: <7 characters>	

Change DNs

Old DN: _	Max. 7 digits
New DN: _	Max. 7 digits

Featr settings

Backgrnd music	N
On hold	Tones
Receiver volume	
Use sys volume	
Camp timeout	45
Park timeout	45
Park mode	Lowest
Trnsfr callbk	4
DRT to prime	Y
DRT delay	4
Held reminder	N
Remind delay	60
Directd pickup	Y
Page tone	Y
Page Timeout	180
Daylight time	Y
AutoTime&Date	Y
Call log space	
Reset all logs?	
Space/log	
Host delay	1000

Link time	600
AlarmSet	221
Set relocation	N
Msg Reply enh	N
Anskey:	Basic

Direct-dial

D-Dial 1	Intrnl
Use prime line	

CAP assignment

CAP1	None
------	-------------

Access codes

Line pool codes	
Line pool A	9
Park prefix	1
Extrnl code	None
Direct-dial	0
Auto DN	None
DISA DN	None

Remote access

Rem access pkgs	
Show pkg: _	
00	
LinePool access	
Pool A (9)	N
Pool B ()	N
Remote page	N
01	N
LinePool access	
Pool A (9)	Y
Pool B ()	N
Remote page	N
Rem line access	
Show line: _	
L001 Rem pkg	00

Change DN type

Show DN	
637	Portable

Companion

Registration	
Registration	N
Portable DNs	
Show DN:	
637	Available
Radio data	
Re-evaluation	
Status:	
Schedule:	
Radios	
Cell assignment	
Show radio: Unassigned	
Antenna type	
Show radio: Internal	
Cells	
Show cell: _	
Cell radios	
Show radio: Unassigned	

Cell nghbrs

Show nghbr: Unassigned

Cell rad nghbrs

ShowRadNghbr: Unassigned

System LID:

Rec'd # length 3**DN length** 3**Nat'nl length** 10**Mk /Br:** 40 / 60**BusName** None**Release reasons**Text: None**Hospitality**

Room/desk info

Show set:___

Room #: _

Adm pwd req'd: Y

Call restrns

Vacant: 00

Use flt:___

Basic: 00Mid: 00Full: 00

Service time

Hour: 00Minutes: 00

Alarm

Attn attempts: 3Retry intrvl: 4Attn duration: 15Time format 12hr**Telco features****VMsg ctr tel#s**

VMsg center 1

Tel# No number

VMsg center 2

VMsg center 3

VMsg center 4

VMsg center 5

ONN blocking

Analog VSC

Tone NonePulse None

BRI VSC

Code None**Software keys**

(Not used with Profiles 2 and 3)

Hardware

Show Module:___

Cards on KSU

Cd1-KSU LoopCard type Loop

Lines

Discon timer 460

(If T1 card)

Card type T1

Lines

Discon timer 460Answer timer 2CO fail T1A-547AI/F levels ISDNFraming ESFInternal CSU OnCSU line bld 0DSX1 bld 000-100Line coding B8ZSClock Src Primary

(If DID card) Profile 3 only

Card type DID

Lines

(If E&M card)

Card type E&M

Lines

Answer timer 2

(If BRI-2 or BRI-ST card)

Card type BRI-ST

Loops

Loop aaa

(For T type)

Clock Src PrimaryONN blk SuprsBitOvlap recving NPublic digit length 8

(For S type)

Sampling Adaptive

Assign DN's

Show DN:___ AvailablLoop DN:___ NoneCd2-KSU LoopMod 03 to 14 StnMod**Usage Metrics****Hunt groups****Call by call****Maintenance****System version****Port/DN status****Module status****Sys test log****Sys admin log****Network evt log****Provisioning****Tests****CSU stats****Diagnostic tools****Link status**

Line pool access	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O	PRI-A PRI-B A B C D E F G H I J K L M N O
Prime Line	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____	None <u>I/C</u> Line # __ Pool ____
Intercom Keys	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8	0 1 <u>2</u> 3 4 5 6 7 8
Answer DN's <small>Enter DN's of sets to be answered and circle Answer DN type. AR = Appear&Ring A = Appear only blank = Unassigned</small>	AR AR AR AR	AR AR AR AR	AR AR AR AR	AR AR AR AR	AR AR AR AR	AR AR AR AR	AR AR AR AR
OLI#	<u>None</u> _____	<u>None</u> _____	<u>None</u> _____	<u>None</u> _____	<u>None</u> _____	<u>None</u> _____	<u>None</u> _____
OLI as calld #*	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>

* Profiles 1 and 4 only.

Capabilities

(Terminals&Sets: Capabilities)

Sets: (max. 7 digits)							
Fwd no answer	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:
Fwd delay	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10
Fwd on busy	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:
DND on Busy	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Handsfree	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>
HF answerback	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Pickup grp	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>	1 2 3 4 5 6 7 8 9 <u>None</u>
Page zone	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None
Paging	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
D-Dial	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None
Priority call	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Hotline	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____	<u>None</u> Intrnl# ____ Extrnl# ____
Use Hotline on: <small>(If Hotline = Extrnl)</small>	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:
Aux. ringer	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Allow redirect	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>

Redirect ring	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
ATA settings ATA ans timer	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10
ATA use	On site Off site	On site Off site	On site Off site	On site Off site	On site Off site	On site Off site	On site Off site
MsgIndicate	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp

Name

(Terminals&Sets: Name)

Name (max. 7 char.)	<u>221</u>	<u>221</u>	<u>221</u>	<u>221</u>	<u>221</u>	<u>221</u>	<u>221</u>
	_____	_____	_____	_____	_____	_____	_____

User preferences

(Terminals&Sets: User preferences)

Model	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set	M7324 M7310 M7208 M7100 CAP ATA Intl set
Button prgrming	Record button programming starting on page 14.						
User speed dial	Record user speed dial numbers starting on page 17.						
Call log opt'ns	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...
Dialing opt'ns	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial
(Profiles 1, 3 and 4) Language Langue Idioma	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español
(Profile 2 only) Language Langue Idioma	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish
Display cntrst	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9
Ring type	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

Button prgrming

M7100	Pgrming	Default
B01		Last No.

M7208	Pgrming	Default
B01		Grp Pickup
B02		Transfer
B03		Last No.
B04		Page Genrl
B05		Conf/Trans
B06		Speed Dial
B07		Intercom
B08		Intercom

M7324	Pgrming	Default
B01		No default
B02		No default
B03		No default
B04		No default
B05		No default
B06		No default
B07		No default
B08		No default
B09		No default
B10		No default
B11		No default
B12		No default
B13		Call Fwd
B14		Speed Dial
B15		Last No.
B16		Saved No.
B17		Conf/Trans
B18		Transfer
B19		DND
B20		Grp Pickup
B21		Voice Call
B22		Page Grnrl
B23		Intercom
B24		Intercom

M7310	Pgrming	Default
B01		DND
B02		Transfer
B03		Call Fwd
B04		Grp Pickup
B05		Page Grnr
B06		Conf/Trans
B07		Last No.
B08		Voice Call
B09		Intercom
B10		Intercom
B11		Set 221
B12 (shift)		Set 233
B13		Set 222
B14 (shift)		Set 234
B15		Set 223
B16 (shift)		Set 235
B17		Set 224
B18 (shift)		Set 236
B19		Set 225
B20 (shift)		Set 237
B21		Set 226
B22 (shift)		Set 238
B23		Set 227
B24 (shift)		Set 239
B25		Set 228
B26 (shift)		Set 240
B27		Set 229
B28 (shift)		Set 241
B29		Set 230
B30 (shift)		Set 242
B31		Set 231
B32 (shift)		Set 243
B33		Set 232
B34 (shift)		Set244

CAP	Pgrming	Default
B01		No default
B02		No default
B03		No default
B04		No default
B05		No default
B06		No default
B07		No default
B08		No default

B09		No default
B10		No default
B11		No default
B12		No default
B13		No default
B14		No default
B15		No default
B16		No default
B17		No default
B18		No default
B19		No default
B20		No default
B21		No default
B22		No default
B23		No default
B24		No default
B25		No default
B26		No default
B27		No default
B28		No default
B29		No default
B30		No default
B31		No default
B32		No default
B33		No default
B34		No default
B35		No default
B36		No default
B37		No default
B38		No default
B39		No default
B040		No default
B041		No default
B042		No default
B043		No default
B044		No default
B045		No default
B046		No default
B047		No default
B048		No default

Intl set	Pgrming	Default
B01		Last No.
B02		Call Fwd
B03		Transfer
B04		Conf

Restrictions

(Terminals&Sets: Restrictions)

Restrnr filters

(Terminals&Sets: Restrictions; Restrnr filters)

Restrnr flt	Restrnr		Default Overrides	
	(Number)	(Value)	(Number)	(Value)
00		No restrictions (only filter that cannot be changed)		
01	01	0		
	02	1	001	1800
			002	1877
			003	1888
	03	911	001	911
	04	411		
	05	976		
	06	1976		
	07	1•••976		
	08	1900		
	09	1•••900		
	10	5551212		
02-99		No restrictions		

Set restrns

(Terminals&Sets; Restrictions; Set restrns)

Sets: (max. 7 digits)							
names (max. 7 char.)							
Filters							
Normal 02	02, _____	02, _____	02, _____	02, _____	02, _____	02, _____	02, _____
Night 11	11, _____	11, _____	11, _____	11, _____	11, _____	11, _____	11, _____
Evening 12	12, _____	12, _____	12, _____	12, _____	12, _____	12, _____	12, _____
Lunch 13	13, _____	13, _____	13, _____	13, _____	13, _____	13, _____	13, _____
Sched 4 00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Sched 5 00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Sched 6 00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Set lock	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full
Allow last no	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Allow saved no	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Allow link	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N

Line/set restrns

(Terminals&Sets; Restrictions; Line/set restrns)

Normal <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Night <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Evening <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Lunch <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 4 <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 5 <u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 6 <u>None</u>	_____	_____	_____	_____	_____	_____	_____

Telco features

(Terminals&Sets;Telco features)

CLASS assignmnt

(Terminals&Sets;Telco features; CLASS assignmnt)

Sets:(max. 7 digits)							
names:(max. 7 char.)							
Call log set	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>
Extl VMsg set	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>	Line#: <u>Y</u> <u>N</u>

1stDisplay

(Terminals&Sets;Telco features;1st Display)

	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line
--	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------

Called ID

(Terminals&Sets;Telco features;Called ID)

	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
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Log space

(Terminals&Sets;Telco features; Log space)

Log space (Log:0 Pool: 600)	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:
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Photocopy pages before using.

Lines

Trunk/Line Data

(Lines; Trunk/Line Data)

Trunk type (Profile 1 only)	Loop Ground BRI-ST BRI-U2 PRI	E&M DID BRI-U4 Fixed	Loop Ground BRI-ST BRI-U2 PRI	E&M DID BRI-U4 Fixed	Loop Ground BRI-ST BRI-U2 PRI	E&M DID BRI-U4 Fixed	Loop Ground BRI-ST BRI-U2 PRI	E&M DID BRI-U4 Fixed
Trunk type (Profiles 2)	Loop Ground BRI-ST	E&M BRI-2	Loop Ground BRI-ST	E&M BRI-2	Loop Ground BRI-ST	E&M BRI-2	Loop Ground BRI-ST	E&M BRI-2
Trunk type (Profiles 3)	Loop Ground BRI-2	E&M DID BRI-ST	Loop Ground BRI-2	E&M DID BRI-ST	Loop Ground BRI-2	E&M DID BRI-ST	Loop Ground BRI-2	E&M DID BRI-ST
Trunk type (Profile 4 only)	Loop Ground BRI-ST BRI-U2	E&M DID PRI BRI-U4	Loop Ground BRI-ST BRI-U2	E&M DID PRI BRI-U4	Loop Ground BRI-ST BRI-U2	E&M DID PRI BRI-U4	Loop Ground BRI-ST BRI-U2	E&M DID PRI BRI-U4

If Target Line

Line no. (3 digits)				
Telephone number				
Line type	Public Private to: _____	Public Private to: _____	Public Private to: _____	Public Private to: _____
Rec'd #	None	None	None	None
Prime Set	221 None	221 None	221 None	221 None
CLID Set	None	None	None	None
Aux. ringer	Y N	Y N	Y N	Y N
If busy	PrimeSet BusyTone	PrimeSet BusyTone	PrimeSet BusyTone	PrimeSet BusyTone

If T1 and Groundstart

Line no. (3 digits)				
Telephone number				
Trunk type	Ground	Ground	Ground	Ground
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____
Dial mode	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone
PrimeSet	221 None	221 None	221 None	221 None
Auto privacy	Y N	Y N	Y N	Y N
Ans mode	Manual Auto	Manual Auto	Manual Auto	Manual Auto
Ans with DISA (Only if Ans mode is Auto)	Y N	Y N	Y N	Y N
Aux. ringer	Y N	Y N	Y N	Y N

If T1 and Loopstart

(Digital and Analog)

Line no. (3 digits)							
Telephone number							
Trunk type	<u>Loop</u>	<u>Loop</u>	<u>Loop</u>	<u>Loop</u>	<u>Loop</u>	<u>Loop</u>	<u>Loop</u>
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____
Dial mode	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone
PrimeSet	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None
CLID Set (Only shown for analog loopstart)	None	None	None	None	None	None	None
Auto privacy	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Trunk mode (Trunk mode is Super if digital loopstart)	<u>Unspr</u> Super	<u>Unspr</u> Super	<u>Unspr</u> Super	<u>Unspr</u> Super	<u>Unspr</u> Super	<u>Unspr</u> Super	<u>Unspr</u> Super
Ans mode (Only shown if Trunk mode is Super)	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Link at CO (Only shown for analog loopstart)	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Aux. ringer	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Full AutoHold	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
LossPkg (Only shown for analog loopstart)	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX	ShortCO <u>MediumCO</u> LongCO ShortPBX LongPBX

If T1 and E&M

Line no. (3 digits)							
Telephone number							
Trunk type	<u>E&M</u>	<u>E&M</u>	<u>E&M</u>	<u>E&M</u>	<u>E&M</u>	<u>E&M</u>	<u>E&M</u>
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____
Dial mode	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone
PrimeSet	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None
Auto privacy	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Ans mode	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Aux. ringer	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Signal	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial
ANI number (Only if Signal is Wink-Start or Immediate)	Y N	Y N	Y N	Y N	Y N	Y N	Y N
DNIS number (Only if signal is Wink-Start or Immediate and Ans mode is Manual)	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Gain (Only if analog E&M)	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High

If T1 and DID

(Profiles 1, 3 and 4 only)

Line no. (3 digits)				
Telephone number				
Trunk type	<u>DID</u>	<u>DID</u>	<u>DID</u>	<u>DID</u>
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____
Dial mode	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone
PrimeSet	<u>221</u> None	<u>221</u> None	<u>221</u> None	<u>221</u> None
Ans mode (Only if analog DID)	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Link at CO (Only if analog DID)	Y N	Y N	Y N	Y N
Aux. ringer	Y N	Y N	Y N	Y N
Signal	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial
ANI number (Only if Signal is Wink-Start or Immediate)	Y N	Y N	Y N	Y N
DNIS number (Only if signal is Wink-Start or Immediate and Ans mode is Manual)	Y N	Y N	Y N	Y N
Gain (Only if analog DID)	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High

If BRI-2 or BRI-ST (ISDN)

(BRI-2 for Profiles 2 and 3 only)

Line no. (3 digits)								
Telephone number (supplied by the central office)								
Trunk type	BRI-2	BRI-ST	BRI-2	BRI-ST	BRI-2	BRI-ST	BRI-2	BRI-ST
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	
PrimeSet	<u>221</u>	None	<u>221</u>	None	<u>221</u>	None	<u>221</u>	None
CLID Set	<u>None</u>		<u>None</u>		<u>None</u>		<u>None</u>	
Auto privacy	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Ans mode (Trunk mode is always super)	<u>Manual</u>	Auto	<u>Manual</u>	Auto	<u>Manual</u>	Auto	<u>Manual</u>	Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Aux. ringer	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>
Full AutoHold	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>

If BRI-U2 or BRI-U4 (ISDN)

(Profiles 1 and 4 only)

Line no. (3 digits)								
Telephone number (supplied by the central office)								
Trunk type	BRI-U2	BRI-U4	BRI-U2	BRI-U4	BRI-U2	BRI-U4	BRI-U2	BRI-U4
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	
PrimeSet	<u>221</u>	None	<u>221</u>	None	<u>221</u>	None	<u>221</u>	None
CLID Set	<u>None</u>		<u>None</u>		<u>None</u>		<u>None</u>	
Auto privacy	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Ans mode (Trunk mode is always super)	<u>Manual</u>	Auto	<u>Manual</u>	Auto	<u>Manual</u>	Auto	<u>Manual</u>	Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Aux. ringer	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>
Full AutoHold	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>	Y	<u>N</u>

If PRI (ISDN)

(Profiles 1 and 4 only)

Line no. (3 digits)								
Telephone number (supplied by the central office)								
Trunk type	PRI		PRI		PRI		PRI	
Line type	PRI-A	PRI-B	PRI-A	PRI-B	PRI-A	PRI-B	PRI-A	PRI-B
PrimeSet	221	None	221	None	221	None	221	None

If T1 and Fixed

(Profile 1 only)

Line no. (3 digits)	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____

Name

(Lines;Name)

Name (max. 7 char)				
Line no (3 digits)				

Restrictions

Not available for Target lines. Restriction filter tables are provided under Terminals&Sets.

Line restrns

(Lines; Restrictions; Line restrns)

Normal	<u>03</u>	<u>03</u>	<u>03</u>	<u>03</u>
Night	<u>21</u>	<u>21</u>	<u>21</u>	<u>21</u>
Evening	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>
Lunch	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
Sched 4	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
Sched 5	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
Sched 6	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>

Remote restrns

(Lines; Restrictions; Remote restrns)

Normal	<u>04</u>	<u>04</u>	<u>04</u>	<u>04</u>
Night	<u>31</u>	<u>31</u>	<u>31</u>	<u>31</u>
Evening	<u>32</u>	<u>32</u>	<u>32</u>	<u>32</u>
Lunch	<u>33</u>	<u>33</u>	<u>33</u>	<u>33</u>
Sched 4	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
Sched 5	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
Sched 6	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>

Telco features

(Lines; Telco features) Not available for Target lines.

VMsg center	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>N</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>N</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>N</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>N</u>
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Ringing Service

(Services; Ringing Service) (continued)

Schedule	1 2 3 4 5 6	Schedule	1 2 3 4 5 6	Schedule	1 2 3 4 5 6
Ctrl set:	<u>221</u>	Ctrl set:	<u>221</u>	Ctrl set:	<u>221</u>
Service	<u>Off</u> Auto Manual	Service	<u>Off</u> Auto Manual	Service	<u>Off</u> Auto Manual
Trunk answer	<u>Y</u> N	Trunk answer	<u>Y</u> N	Trunk answer	<u>Y</u> N
Line settings	Line: 	Ring grp: 	Line settings	Line: 	Ring grp:
Aux. ringer:	Y <u>N</u>	Aux. ringer:	Y <u>N</u>	Aux. ringer:	Y <u>N</u>
ExtraDial	<u>221</u>	ExtraDial	<u>221</u>	ExtraDial	ExtraDial <u>221</u>
Schedule	1 2 3 4 5 6	Schedule	1 2 3 4 5 6	Schedule	1 2 3 4 5 6
Ctrl set:	<u>221</u>	Ctrl set:	<u>221</u>	Ctrl set:	<u>221</u>
Service	<u>Off</u> Auto Manual	Service	<u>Off</u> Auto Manual	Service	<u>Off</u> Auto Manual
Trunk answer	<u>Y</u> N	Trunk answer	<u>Y</u> N	Trunk answer	<u>Y</u> N
Line settings	Line: 	Ring grp: 	Line settings	Line: 	Ring grp:
Aux. ringer:	Y <u>N</u>	Aux. ringer:	Y <u>N</u>	Aux. ringer:	Y <u>N</u>
ExtraDial	<u>221</u>	ExtraDial	<u>221</u>	ExtraDial	ExtraDial <u>221</u>

Restrn service

(Services: Restrn service)

Schedule	Schedule 1	Schedule 2	Schedule 3	Schedule 4	Schedule 5	Schedule 6
Restr'n service	<u>Off</u> Auto Manual	<u>Off</u> Auto Manual	<u>Off</u> Auto Manual	<u>Off</u> Auto Manual	<u>Off</u> Auto Manual	<u>Off</u> Auto Manual

If PRI-A or PRI-B

(Services; Routing service) (Profiles 1 and 4 only)

Protocol:	Srvctype:
NI-2	Public Tie FX OUTWATS
DMS100	FX 800
DMS250	FX 800 900
AT&T 4ESS	800 1800 900 SDS

If service type requires service id

(Services; Routing service) (Profiles 1 and 4 only)

ServiceID: <valid service id #>	None

If Protocol is SL-1 or TIE service type

(Services; Routing service) (Profiles 1 and 4 only)

DN type:	Public	Private

Priv DN len

(Services; Routing service; Priv DN len) (Profiles 1 and 4 only)

Priv DN length	<u>3</u> 4 5 6 7 8 9 10
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Dial timeout

(Services; Routing service; Dial timeout) (Profiles 1 and 4 only)

Dial timeout	3 <u>4</u> 5 6 8 10 15
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Carrier codes

(Services; Routing service; Carrier codes) (Profiles 1 and 4 only)

Prefix	DN length (digits)
10	3
101	4

Pub DN lengths

(Services; Routing service; Pub DN lengths) (Profiles 1 and 4 only)

Prefix	DN length (digits)
Default <i>(Cannot remove)</i>	7
0	11
00	12
01	17
011	18
1	11
411	3
911	3

Common settings

(Services; Common settings)

Control sets

(Services; Common settings; Control sets)

For line	Line: ____	Line: ____	Line: ____	Line: ____		
	Control set: ____	Control set: ____	Control set: ____	Control set: ____		
	Line: ____	Line: ____	Line: ____	Line: ____		
	Control set: ____	Control set: ____	Control set: ____	Control set: ____		
For sets <small>(for more than 24 sets, enter a range of sets or photocopy this table)</small>	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____ Control set: ____
	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____	
	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____
	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____
	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____ Control set: ____
	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____	
	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____	Set: ____
	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____	Control set: ____

Schedule names

(Services; Common settings; Schedule names)

Schedule	Sched		Sched		Sched		Sched		Sched		Sched	
	<u>Night</u>		<u>Evening</u>		<u>Lunch</u>		<u>Sched 4</u>		<u>Sched 5</u>		<u>Sched 6</u>	
Schedule times:	Start	Stop	Start	Stop	Start	Stop	Start	Stop	Start	Stop	Start	Stop
Monday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Tuesday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Wednesday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Thursday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Friday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Saturday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Sunday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00

Progrming pswds

(Passwords; Progrming pswds)

Installer	<u>266344</u>	CONFIG
Sys Coord+	<u>727587</u>	SCPLUS
Sys Coord	<u>23646</u>	ADMIN
Basic	<u>22742</u>	BASIC

Reg. pswd

(Passwords; Reg. pswd)

Reg. password	<u>72346</u>	RADIO
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Hospitality

(Passwords; Hospitality)

Desk pswd	<u>4677</u>	HOSP
Cond pswd	<u>None</u>	

Time&Date

Hour:	<u>01</u>	Minutes:	<u>00</u>	Year:	<u>99</u>	Month:	<u>01</u>	Day:	<u>01</u>
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System prgrming

Hunt groups

(System prgrming: Hunt groups)

Group	Name: (7 characters)		Number:		
Members	DN _____	DN _____	DN _____	DN _____	DN _____
	Appr only	Appr only	Appr only	Appr only	Appr only
	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring
	Ring only	Ring only	Ring only	Ring only	Ring only
	DN _____	DN _____	DN _____	DN _____	DN _____
	Appr only	Appr only	Appr only	Appr only	Appr only
Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	
Ring only	Ring only	Ring only	Ring only	Ring only	
DN _____	DN _____	DN _____	DN _____	DN _____	
Appr only	Appr only	Appr only	Appr only	Appr only	
Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	
Ring only	Ring only	Ring only	Ring only	Ring only	
DN _____	DN _____	DN _____	DN _____	DN _____	
Appr only	Appr only	Appr only	Appr only	Appr only	
Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	
Ring only	Ring only	Ring only	Ring only	Ring only	
DN _____	DN _____	DN _____	DN _____	DN _____	
Appr only	Appr only	Appr only	Appr only	Appr only	
Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	Appr&Ring	
Ring only	Ring only	Ring only	Ring only	Ring only	
Assigned lines	_____	_____	_____	_____	_____
Mode	Broadcast	Sequential	Rotary		
Hunt delay	1	2	3	4	5 6 7 8 9 10
If busy	BusyTone	Overflow	Queue		
Q timeout	15	30	45	60	120 180
Overflow DN	_____				

Change DNs

(System prgrming: Change DNs)

(Record Change DNs on page 10.)

Featr settings

(System prgrming; Featr settings)

Background music	Y	N								
On hold	Tones	Music	Silence							
Receiver volume	Use sys volume	Use set volume								
Camp timeout	30	45	60	90	120	150	180	300	600	
Part timeout	30	45	60	90	120	150	180	300	600	
Park mode	Lowest	Cycle								
Trnsfr callbk	3	4	5	6	12					
DRT to prime	Y	N								
DRT delay	1	2	3	4	6	10				
Held reminder	Y	N								
Remind delay	30	60	90	120	150	180				
Directed pickup	Y	N								
Page tone	Y	N								
Page Timeout	15	30	60	120	180	300	2700			
Daylight time	Y	N								
AutoTime&Date	Y	N								
Call log space										
Space/log	_____									
Host delay	200	400	600	800	1000	1200	1400	1600	1800	2000
Link time	100	200	300	400	500	600	700	800	900	1000
Alarm set	221	_____								
Set relocation	Y	N								
Msg Reply enh	Y	N								
Anskey	Basic	Enhanced	Extended							

Direct-dial

(System prgrming; Direct-dial)

	D-Dial1	D-Dial2	D-Dial3	D-Dial4	D-Dial5
Direct-dial	Intrnl Extrnl	Intrnl Extrnl	Intrnl Extrnl	Intrnl Extrnl	Intrnl Extrnl
	None	None	None	None	None
Intrnl # (if D-Dial=Intrnl)	221 #:_____	221 #:_____	221 #:_____	221 #:_____	221 #:_____
Extrnl # (if D-Dial=Extrnl)	None #:_____	None #:_____	None #:_____	None #:_____	None #:_____
(if D-Dial=Extrnl)	Use Prime line Use line _____ Pool code_____ Use routing tabl	Use Prime line Use line _____ Pool code_____ Use routing tabl	Use Prime line Use line _____ Pool code_____ Use routing tabl	Use Prime line Use line _____ Pool code_____ Use routing tabl	Use Prime line Use line _____ Pool code_____ Use routing tabl

CAP assignment

(System prgrming; CAP assignment) Allows lines to be assigned to the CAP module.

CAP1	None _____
CAP2	None _____
CAP3	None _____
CAP4	None _____
CAP5	None _____

Access codes

(System prgrming; Access codes)

Line pool codes	A: 9 B: _____ C: _____ D: _____ E: _____ F: _____ G: _____ H: _____ I: _____ J: _____ K: _____ L: _____ M: _____ N: _____ O: _____
Park prefix	0 1 2 3 4 5 6 7 8 9 None
Extrnl code	0 1 2 3 4 5 6 7 8 9 None
Direct-dial	0 1 2 3 4 5 6 7 8 9 None
Auto DN	None Received # _____
DISA DN	None Received # _____

Remote access

(System prgrming; Remote access)

Remote access Pkg #	Line pool access (Note that Line Pool access PRI-A and PRI-B are applicable to Profiles 1 and 4 only.)	Remote page
00	Package 00 permits no access to line pools	No
01 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
02 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
03 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
04 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
05 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
06 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
07 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
08 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
09 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
10 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
11 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
12 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
13 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
14 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y
15 (If PRI then PRI-A is default)	PRI-A PRI-B A B C D E F G H I J K L M N O	N Y

Rem line access (Default=00)	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __
	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __
	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __
	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __	Line: ___ Rem pkg: __

Radios and Cells

(System prgrmg; Companion; Radios and System prgrmg; Companion;Cells)

TCM port:	KSU block number	device type*	n†	Base Station / equipment location	RPI units (identify with number or description‡)	RPI wiring KSU block number		Antenna	
						TCM (if used)	Power source	Internal	External
0_01									
0_02									
0_03									
0_04									
0_05									
0_06		Base Station						<u>Internal</u>	External
0_07		Base Station						<u>Internal</u>	External
0_08		Base Station						<u>Internal</u>	External
0_09		Base Station						<u>Internal</u>	External
0_10		Base Station						<u>Internal</u>	External
0_11		Base Station						<u>Internal</u>	External
0_12		Base Station						<u>Internal</u>	External
0_13		Base Station						<u>Internal</u>	External
0_14		Base Station						<u>Internal</u>	External
0_15		Base Station						<u>Internal</u>	External
0_16		Base Station						<u>Internal</u>	External
0_17		Base Station						<u>Internal</u>	External
0_18		Base Station						<u>Internal</u>	External
0_19		Base Station						<u>Internal</u>	External
0_20		Base Station						<u>Internal</u>	External
0_21		Base Station						<u>Internal</u>	External
0_22		Base Station						<u>Internal</u>	External
0_23		Base Station						<u>Internal</u>	External
0_24		Base Station						<u>Internal</u>	External
0_25		Base Station						<u>Internal</u>	External
0_26		Base Station						<u>Internal</u>	External
0_27		Base Station						<u>Internal</u>	External
0_28		Base Station						<u>Internal</u>	External
0_29		Base Station						<u>Internal</u>	External
0_30		Base Station						<u>Internal</u>	External
0_31		Base Station						<u>Internal</u>	External
0_32		Base Station						<u>Internal</u>	External

*. Write E if using an external antenna.

†. n is the number of the radio. Each radio is identified by a five-digit number, the TCM port number followed by the number of the radio (n).

‡. If using a plug-top power supply, write PT.

System LID

(System prgrming; Companion; System LID)

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Rec'd # length

(System prgrming; Rec'd # length)

Rec'd # length	2 <u>3</u> 4 5 6 7
-----------------------	--------------------

DN length

(System prgrming; DN length)

DN length	2 <u>3</u> 4 5 6 7
------------------	--------------------

National length

(System prgrming; Nat'nl length)

Nat'nl length	0 1 2 3 4 5 6 7 8 9 <u>10</u>
----------------------	-------------------------------

Make / Break

(System prgrming;Mk / Br) (Profiles 2 and 3 only)

Mk / Br	<u>40 / 60</u> 30 / 70
----------------	------------------------

Business name

(System prgrming; BusName)

BusName:	_____
-----------------	-------

CbC limits

(System prgrming; CbC limits) (Profiles 1 and 4 only)

PRI-A	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____
PRI-B	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____

Release reasons

(System prgrming; Release reasons)

Release reasons	_____
------------------------	-------

Photocopy pages before using.

Hospitality

(System prgrmg; Hospitality)

Room/desk info												
Sets: (max. 7 digits)												
Room #:												
Adm pwd req'd	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Call Restrns												
Vacant:	Use flt: __											
Basic:	Use flt: __											
Mid:	Use flt: __											
Full:	Use flt: __											
Service time	Hour:											
	Minutes:											
Alarm												
Attn attempts:	1	2	<u>3</u>	4	5							
Retry interv: (in minutes)	2	<u>4</u>	6	8								
Attn duration: (in seconds)	10	<u>15</u>	20	30	40	50						
Time format	<u>12hr</u> 24hr											

Telco features

VMsG ctr tel#s

(Telco features; VMsG ctr tel#s)

VMsG center 1	VMsG center 2	VMsG center 3	VMsG center 4	VMsG center 5
_____	_____	_____	_____	_____

ONN blocking

(Telco features; ONN blocking)

Analog VSC	
Tone:	None _____ F78, (0-9), *, #
Pulse:	None _____ (0-9)
BRI VSC	
Code	None _____ F78, (0-9), *, #

Software keys

(Used to activate Companion, ISDN PRI, and fixed access trunks/WAN access for Data Modules.)

SysID

SysID: <8 digits>:	_____
--------------------	-------

Companion ID

Companion ID	_____
--------------	-------

Password keys

(Software keys; Password keys)

Password keys for Companion

Date	Key 1	Key 2	Key 3	Notes

Password keys for ISDN PRI

(Profiles 1 and 4 only)

Date	Key 1	Key 2	Key 3	Notes

Password keys for fixed T1 lines

(Profile 1 only)

Date	Key 1	Key 2	Key 3	Notes

Hardware

Cards on KSU

(Profiles 1 and 4 only)

Cd1-KSU	Loop	T1	PRI	BRI-ST	BRI-U2	BRI-U4
Cd2-KSU	Loop	T1	PRI	BRI-ST	BRI-U2	BRI-U4

(Profiles 2 and 3 only)

Cd1-KSU	Loop	T1	BRI-2	BRI-ST		
Cd2-KSU	Loop	T1	BRI-2	BRI-ST		

If card is a Loop card

Card type	Loop					
Lines						
Discon timer	60	100	260	460	600	

If card is a T1 card

Card type	T1					
Lines						
Discon timer	60	100	260	460	600	
Answer timer	1	2	3	4	5	
CO fail	TR62411		T1A-547A			
I/F levels	ISDN		PSTN			
Framing	SF		ESF			
Internal CSU	On		Off			
CSU line bld (If CSU is on)	0		7.5		15	
DSX1 bld (If CSU is off)	000-100 400-500		100-200 500-600		200-300 600-700 300-400	
Line coding	B8ZS		AMI			
Clock Src (default for Cd1-KSU is Primary, Cd2-KSU is Secndry)	Primary		Secndry		TimeMst	

If card is a PRI card

(Profiles 1 and 4 only)

Card type	PRI				
Lines					
Protocol protcl (Not shown if only one protocol available)	NI-2	DMS100	DMS250	4ESS	SL-1
BchanSeq (Default is Descend unless SL-1 Master)	Ascend	Descend			
CbC Routing					
FX (Only shown for: NI-2, DMS-100, and DMS-250)	None	All	Map table		
800 (Only shown for: NI-2, DMS-100, DMS-250, and 4ESS)	None	All	Map table		
800 (Only shown for: 4ESS)	None	All	Map table		
900 (Only shown for: DMS-250, and 4ESS)	None	All	Map table		
SDS (Only shown for: 4ESS)	None	All	Map table		
Type (User prompt only shown when Procol is SL-1)	Slave	Master	User		
CO fail	TIA547A		TR62411		
I/F levels	ISDN		PSTN	ISD/TT	
Framing	ESF		SF		
Internal CSU	On		Off		
CSU line bld	Q	7.5	15		
Line coding	B8ZS		AMI		
ClockSrc	Primary		Secndry	TimMstr	

If card is a DID card

(Profiles 1, 3 and 4 only)

Card type	DID				
Lines					

If card is an E&M card

Card type	E&M				
Lines					
Answer timer	1	2	3	4	5

If card is a BRI-U2, BRI-U4 or BRI-ST card

(for Profiles 1 and 4 only)

Card type	BRI-_____
Loops	
Loop Type Type (If BRI-U2 or BRI-U4 default is NT)	S <u>I</u> LT NT
Protocol (Not shown if only one protocol available)	
Sampling (Shown for S loop type only)	Adaptive Fixed

For S & LT only

(for Profiles 1 and 4 only)

Assign DN's Show DN:___	Assigned Availabl *LP___* LP___
Loop DN:___	None ISDN DN

For T & NT only

(for Profiles 1 and 4 only)

SPID___	
# of B-channels	1 2
Network DN's DN1:	
Call type	Voice Data Both
DN2:	
Call type	Voice Data Both
DN3:	
Call type	Voice Data Both
DN4:	
Call type	Voice Data Both
DN5:	
Call type	Voice Data Both
DN6:	
Call type	Voice Data Both
DN7:	
Call type	Voice Data Both
DN8:	
Call type	Voice Data Both
D-packet service (BRI-U2 & BRI-U4)	Y N
LPnnn	None S-Lp___ Lt-Lp___

TEIs (0-63)			
ClockSrc (On core only)	Primary	Secndry	TimMstr
ONN blk	SuprsBit	SrvcCode	

If card is a BRI-2 or BRI-ST card

(for Profiles 2 and 3 only)

Card type	BRI-____
Loops	
Loop Type Type	S <u>I</u>

For S

(for Profiles 2 and 3 only)

Sampling	Adaptve	Fixed
Assign DNs Show DN: _	Assigned	Availabl *LP__* LP__
Loop DN: _	None	ISDN DN

For T

(for Profiles 2 and 3 only)

ClockSrc (On core only)	Primary	Secndry	TimMstr												
Ovlap recving	Y <u>N</u>														
Public digit length	1	2	3	4	5	6	7	<u>8</u>	9	10	11	12	13	14	15

Modules

(for Profile 1 only)

Mod 03	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 04	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 05	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 06	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 07	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 08	<u>StnMod</u>	ASM	DataMod	TrunkMod
Mod 09	<u>StnMod</u>	ASM	DataMod	
Mod 10	<u>StnMod</u>	ASM	DataMod	
Mod 11	<u>StnMod</u>	ASM	DataMod	
Mod 12	<u>StnMod</u>	ASM	DataMod	
Mod 13 (For use by Companion or the DM only)	<u>StnMod</u>		DataMod	
Mod 14 (For use by Companion or the DM only)	<u>StnMod</u>		DataMod	

Modules

(for Profiles 2, 3 and 4 only)

Mod 03	<u>StnMod</u>	ASM	TrunkMod
Mod 04	<u>StnMod</u>	ASM	TrunkMod
Mod 05	<u>StnMod</u>	ASM	TrunkMod
Mod 06	<u>StnMod</u>	ASM	TrunkMod
Mod 07	<u>StnMod</u>	ASM	TrunkMod
Mod 08	<u>StnMod</u>	ASM	TrunkMod
Mod 09	<u>StnMod</u>	ASM	
Mod 10	<u>StnMod</u>	ASM	
Mod 11	<u>StnMod</u>	ASM	
Mod 12	<u>StnMod</u>	ASM	
Mod 13 (For use by Companion)	<u>StnMod</u>		
Mod 14 (For use by Companion)	<u>StnMod</u>		

StnMod

For Station Module programming, see the *Modular ICS 4.1 Installer Guide*.

ASM

For Analog Station Module programming, see the *Analog Station Module Installation Guide*.

TrunkMod

(Profiles 1 and 4 only) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi or mega systems.) (TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd2-Mod3	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd3-Mod3	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd1-Mod4	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd2-Mod4	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd3-Mod4	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd1-Mod5	<u>Loop</u>	E&M	DID			
Cd2-Mod5	<u>Loop</u>	E&M	DID			
Cd3-Mod5	<u>Loop</u>	E&M	DID			
Cd1-Mod6	<u>Loop</u>	E&M	DID			
Cd2-Mod6	<u>Loop</u>	E&M	DID			
Cd3-Mod6	<u>Loop</u>	E&M	DID			
Cd1-Mod7	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd2-Mod7	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd3-Mod7	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd1-Mod8	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd2-Mod8	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4
Cd3-Mod8	<u>Loop</u>	E&M	DID	BRI-ST	BRI-U2	BRI-U4

TrunkMod

(Profiles 2) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi or mega systems.) (TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd2-Mod3	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd3-Mod3	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd1-Mod4	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd2-Mod4	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd3-Mod4	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd1-Mod5	<u>Loop</u>	E&M				
Cd2-Mod5	<u>Loop</u>	E&M				
Cd3-Mod5	<u>Loop</u>	E&M				
Cd1-Mod6	<u>Loop</u>	E&M				
Cd2-Mod6	<u>Loop</u>	E&M				
Cd3-Mod6	<u>Loop</u>	E&M				
Cd1-Mod7	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd2-Mod7	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd3-Mod7	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd1-Mod8	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd2-Mod8	<u>Loop</u>	E&M	BRI-2	BRI-ST		
Cd3-Mod8	<u>Loop</u>	E&M	BRI-2	BRI-ST		

TrunkMod

(Profiles 3) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)

Cd1-Mod3	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod3	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod3	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod4	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod4	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod4	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod5	<u>Loop</u>	E&M			
Cd2-Mod5	<u>Loop</u>	E&M			
Cd3-Mod5	<u>Loop</u>	E&M			
Cd1-Mod6	<u>Loop</u>	E&M			
Cd2-Mod6	<u>Loop</u>	E&M			
Cd3-Mod6	<u>Loop</u>	E&M			
Cd1-Mod7	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod7	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod7	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod8	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod8	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod8	<u>Loop</u>	E&M	DID	BRI-2	BRI-ST

DataMod

(for Profile 1 only) For further programming, also see the appropriate Installer Guide.

Type	<u>IDM200</u>	SDI	BayStack
------	---------------	-----	----------

IDM 200

(for Profile 1 only) (For IDM 200 programming, also see the *IDM 200 Installer Guide*.)

DataMod NVRAM	Reset NVRAM now? (Selecting Yes will reset IDM 200 NVRAM to factory defaults)
---------------	-----------------------------------------------------------------------------------------

BayStack

(for Profile 1 only) (For BayStack programming, also see the *BayStack Installation Guide*.)

IP address:	_____ . _____ . _____ . _____
Switched access	
Data Module _____	Line assignment Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____
Data Module _____	Line assignment Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____ Line _____

SDI

(for Profile 1 only) (For SDI programming, also see the *Synchronous Data Interface Installation Guide*.)

Config					
Pri:	<u>V.35</u>	RS232	RS449	EIA530	EIA-530A
DS0 rate:	<u>64k</u>	56k			

TxClock src:	<u>Auto</u> DTE DCE
TxClock invrsn	On <u>Off</u>
Data invrsn:	On <u>Off</u>
Lp state:<current state> Lpbk	<u>Off</u> man DTE man DS30 auto DTE

Template specific defaults

For the Norstar MICS-XC 4.1 system, the PBX template is the default template. The PBX default values are used throughout the entire Programming Record. The DID template is also available as an option at startup. The following charts show the sections of the Programming Record where the DID template default values differ from the PBX template default values.

For information on defaults for Registration, Radio data, Radios, Cells, and the Registration password, refer to your MICS-XC Norstar-Companion Installer Guide. These settings are used with XC 4.1 systems that use Companion components.

Terminals&Sets defaults

Line Access

Setting	DID
Line assignment	Set 221 All external lines: Unassigned other sets All lines: Unassigned Target lines 145 to 272: Ring only

Telco features (CLASS assignmnt)

Setting	DID
Call log set	default target line: Y other lines: N
Extl VMsg set	default target line: Y other lines: N

Lines defaults

Trunk/Line data (Target lines)

Setting	DID
Rec'd #:	DN of the set it appears on

Trunk/Line data (Digital and Analog loopstart)

Setting	DID
Line type	Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (Digital and Analog Groundstart)

Setting	DID
Line type	Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (Digital and E&M lines)

Setting	DID
Line type	Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (Digital and Analog DID)

Setting	DID
Line type	Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (BRI-2, BRI-ST, BRI-U2 and BRI-U4 lines)

Setting	DID
Line type	Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Glossary of programming headings and settings

The dots next to each heading in this glossary, represent the programming hierarchy in the Norstar Modular ICS.

Profile	Select the Profile.
Dialpad	Select the Dialpad layout.
Startup	
• Template	Select the template to assign the default values for the system.
• Start DN	Enter the DN of the first telephone. The Start DN must be between 3 and 7 digits in length. The default DN length and default Received number length are also defined by the Start DN. If the first digit of a DN is the same as the Direct-dial digit, the Call Park prefix, or the first digit of a line pool access code, it sets them to None.
Terminals & Sets	This programming section lets you assign settings to each telephone.
Show set: _	Enter the DN of the telephone you want to program.
• Line access	A programming section that allows you to assign lines to individual telephones. You can copy the settings from one telephone to another.
•• Line assignment	Line assignment allows you to determine which lines are assigned to the telephone and how incoming calls on those lines will be handled.
••• Show line: _	Enter the line numbers of the lines to be assigned to the telephone.
•• LinePool access	For each line pool (A to O), select whether a telephone (including the DISA DN and Auto DN) will have access.
••• Line Pool A	Select whether the telephone has access to this line pool. ISDN PRI uses pools PRI-A, PRI-B.
•• Prime line	Select a prime line for the telephone. The prime line is the first line selected automatically for making calls from the telephone. To select a line or line pool as prime line, the line or line pool must have been assigned to the telephone.
•• Intercom keys	Select the number of intercom buttons on a telephone for accessing internal lines and line pools.
•• Answer DNs	Ability to assign answer buttons to a telephone so that it can monitor and answer calls for another telephone. You can assign up to five answer DNs.
••• Show set	Enter the DN of the telephone for which this telephone will have an answer button.
•• OLI#	Enter the ten-digit outgoing line identification number.
•• OLI as calld #	For some ISDN sets (for example, video conference units) this allows the OLI digits to replace the ISDN set's internal DN digits during call setup. (Profile 1 & 4 only.)
• Capabilities	A programming section that lets you select the capabilities for each telephone.
•• Fwd no answer	Redirect all incoming calls when this telephone does not answer.
••• Fwd to	Enter the external number or the DN of the Norstar telephone to which you want to redirect all incoming calls.
••• Forward delay	Select the number of rings before an unanswered call is forwarded. The heading appears only if a Forward no answer external number or DN is assigned.
•• Fwd on busy	Redirect all incoming calls when this telephone is busy with another call.
••• Fwd to	Enter the external number or the DN of the Norstar telephone to which you want calls to be redirected when this telephone is busy.
•• DND on Busy	Select whether or not an incoming call rings if the user already is on another call.

•• Handsfree	Select whether Handsfree will be available to a telephone.
•• HF answerback	Select whether a user can automatically answer a voice call without lifting the receiver or pressing the Handsfree/Mute button. It is always turned off for an M7100 telephone.
•• Pickup grp	Select one of nine pickup groups to assign this telephone to. Any user in a pickup group can answer calls to any other telephone in their group using the Call Pickup - group feature (Feature <input type="text"/> 7 <input type="text"/> 5). Choose "None" to disable the feature for this telephone.
•• Page zone	Select one of three page zones to assign this telephone to. Choose "None" to prevent pages at this telephone.
•• Paging	Select whether paging announcements can be made from this Norstar telephone.
•• D-Dial	Select whether you can call the Direct-dial telephone from this telephone using the Direct-dial digit.
•• Priority call	Select whether to allow this telephone to interrupt calls or to override Do Not Disturb at another Norstar telephone. A priority call (Feature <input type="text"/> 6 <input type="text"/> 9) can be refused by the person whose call you are trying to interrupt using Do Not Disturb (Feature <input type="text"/> 8 <input type="text"/> 5). A priority call cannot be blocked by a person whose telephone is already in Do Not Disturb.
•• Hotline	Select whether a telephone number will be dialed automatically when a user lifts the receiver or presses <input type="text"/> Handsfree <input type="text"/> Mute <input type="text"/> . Choose Intrnl to enter an internal Norstar telephone as the hotline. Choose Extrnl to enter an external telephone as the hotline.
•• Aux. ringer	Select whether an auxiliary ringer (if installed) will ring for incoming calls at this telephone.
•• Allow redirect	Select whether to allow this telephone to redirect its lines.
•• Redirect ring	Select whether a telephone rings briefly when a call on one of its lines is redirected by the Line Redirection feature (Feature <input type="text"/> 8 <input type="text"/> 4).
•• ATA settings	Analog telephones or other devices which are connected to the ICS using an Analog Terminal Adapter (ATA) may need the additional programming found under this sub-heading.
••• ATA ans timer	Select the number of seconds for the delay between the last digit you dial on a device connected to an analog terminal adapter (ATA) and when the analog device is ready to receive DTMF tone from the far end analog device.
••• ATA use	
••• MsgIndicate	Select the type of message indicator that is used by a telephone connected to the ICS by using an analog terminal adapter (ATA).
• Name	A programming section that lets you assign names to telephones up to a maximum of 7 characters.
• User preferences	A programming section that lets you program the user admin features, such as external autodialers, language choice and display contrast, which personalize the operation of the user's set.
•• Model	Allows you to pre-program the model of Norstar set which will use this DN.
•• Button prgrming	Lets you program the buttons with internal and external autodialers and/or programmed feature keys.
•• User speed dial	Section where user speed dialers can be programmed.
•• Call log opt'ns	Select whether the set will log all calls, no calls, or only unanswered calls.
•• Dialing opt'ns	Select standard dial, pre-dial or automatic dial.
•• Language	Choose the display language: English, French or Spanish.
•• Display cntrst	Select a display contrast level.

•• Ring type	Select a ring type.
• Restrictions	Lets you create and assign restriction filters which prevent a user from making certain kinds of calls from a telephone.
•• Set restrns	Select restrictions for specific set or all sets.
••• Filters	
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
••• Set lock	Select the level of personal programming and customizing that can be performed at a telephone.
••• Allow last no	Select whether a telephone can use Last Number Redial (Feature <input type="text"/> 5).
••• Allow saved no	Select whether a telephone can use Saved Number Redial (Feature <input type="text"/> 6 <input type="text"/> 7).
••• Allow link	Select whether a telephone can use Link (Feature <input type="text"/> 7 <input type="text"/> 1) to access the features of a private branch exchange.
•• Line/set restrns	Assign restriction filters to certain lines on each set in your system.
••• Show line:_	Select the line on this telephone for which the restriction will apply.
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
• Telco features	This programming section lets you program the way the Norstar system works with features and services that are based in the public network or other outside source, namely Call Display and an external voice message service.
•• CLASS assignment	In this programming section, you can assign CLASS services, such Call Display, in order to identify external, in-coming calls.
••• Show line:_	Enter the number of the line for which the telephone will show Call Display information.
••• Call log set	Select whether the telephone will automatically log Call Display information for calls on the specified external line.
••• Extl VMsg set	Select whether this telephone will display a message indicator provided to the specified line by an external voice message service.

•• 1stDisplay	Select call information to be displayed first: name of caller, number of caller, or name of line in your Norstar system that the call is on.
•• Called ID	Select if Called ID is to be displayed.
•• Log space	Allocate a number of Call log spaces from a system-wide pool of spaces to the telephone.
••• Log: Pool:	Assign this telephone its log spaces.
Lines	A programming section that lets you assign settings to each trunk and external line.
Show line:_	Enter the line number of the line you want to program.
• Trunk/Line data	The programming section that lets you program settings for physical lines that affect how the line is used by the Norstar system.
•• Trunk type	The trunk type is determined by the cartridge or card installed in the slot.
•• Line type	Select how a line will be used by telephones in the system. Choose Public to be able to assign the line to any telephone. Choose Private to make the line private to a telephone. Enter the DN of the telephone you want to assign the line. Choose Pool to place the line in a line pool (A to O).
•• Dial mode	Select the appropriate dial mode for the line. The dial mode you select here must match the dial mode setting of the line at the central office (the public network). The default is tone. This setting does not appear for target lines.
•• PrimeSet	Enter the DN of a prime telephone as a backup to answer calls on this line.
•• CLID set	Choose one set to automatically receive Call Information about incoming calls for a line.
•• Auto privacy	Select whether a line will be private to the individual on a call, or whether it can be shared by other users while a call is in progress. The Privacy setting can be suspended for individual calls using the privacy feature (Feature <input type="text" value="8"/> <input type="text" value="3"/>).
•• Trunk mode	Select whether the line operates with disconnect supervision. Auto answer and DISA lines must be supervised. This setting does not appear for target lines.
•• Ans mode	Select whether the line will be answered manually (normal call answering method) or automatically by the system. Auto answer allows remote access to your Norstar system. This setting only appears if Trunk mode is supervised.
•• Ans with DISA	Select whether a line programmed for auto answer will be answered with Direct Inward System Access (DISA) or with system dial tone. This setting only appears if Ans mode is Auto. This setting does not appear for target lines.
•• Link time	Select the duration of a signal (such as recall or flash) required to access a feature through a remote system.
•• Link at CO	Select whether the system applies the restrictions on outgoing calls to the digits dialed after the Link signal (a host signalling option).
•• Aux. ringer	Select whether an auxiliary ringer (if installed) will ring for incoming calls on this specific line.
•• Full AutoHold	Select whether an idle line will be put on hold when another line is selected. This setting does not appear for target lines.
•• LossPkg	Select the appropriate loss/gain and impedance package for analog loop lines only. Select the package based on the terminating switch type (PBX or CO) and the distance from the switch (Short, Medium or Long). This setting only appears if Cd1-KSU is Loop. It does not appear for target lines.
•• Rec'd #	Enter the Received number for this target line. When the system automatically answers an incoming call on auto-answer Loopstart or digital lines, it collects the number of digits specified by the Rec'd # length setting, matches these digits to a Received number, and routes the call to the appropriate target line. A Received number cannot be the same as, or be the start digits of a line pool access code, a destination code, the DISA DN, or the Auto DN.

•• Signal	Select the signal type for an E&M or DID line to match the signal type programmed for the trunk at the other switch.
•• ANI number	Select whether the telephone number of the caller will be collected for this E&M or DID line. The digits can then be displayed on Norstar telephones as part of Call Information services.
•• DNIS number	Select whether the digits dialed by an external caller on this E&M or DID line will be collected.
•• Gain	Select the appropriate gain level for this E&M or DID line.
• Name	Enter a name for a line that is up to seven characters long. This name defaults to the line number.
• Restrictions	Lets you create and assign restriction filters which prevent a user from making certain kinds of calls using a line.
•• Restrn filters	These are sets or groups of restrictions and associated overrides that specify the external numbers or feature codes that cannot be dialed from a telephone or line.
••• Show filter: _	Enter the two-digit filter number.
•••• Restrn flt 00	Filter 00 is pre-set with no restrictions.
•••• Restrn flt 01	First programmable restriction. For each filter, enter up to 99 restrictions.
••••• Deny	Enter the digits you wish to be restricted when this filter is used.
••••• Override 001	Enter the dialing sequences which are allowed to override this filter, if any.
•• Line restrns	Designate restriction filters to the lines assigned to this telephone.
••• Normal ••• Night ••• Evening ••• Lunch ••• Sched 4 ••• Sched 5 ••• Sched 6	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
•• Remote restrns	In this section, you can assign restriction filters that apply only to remote users of the line.
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For each line assigned to this telephone, enter the number (two-digit) of the restriction filter to apply to remote use during each of the schedules.
• Telco features	This programming section lets you assign settings for an external voice message service.
•• VMsg center	Assign a VMsg center to be used for voice message service for the line.

Services	A programming section that lets you create services such as night ringing, routing and restrictions for making external calls.
• Ringing service	Assign additional telephones to ring for a line during specified periods of the day or night.
•• Ringing groups	Allow groups of extended ringing sets to be defined.
••• Show group: _	Enter the number of the Ringing group you want to program (001-100).
•••• Ring grp 001	Enter the valid ring group number from 001 to 100. All ring groups have set 211 assigned to them.
••••• Show set: _	Enter the number of the set you wish to assign to this Ringing group or use <u>LIST</u> to display the valid sets added to this Ringing group.
•• Sched:Night	In this setting, you select options for your ringing service.
••• Service	Select how you want your service activated.
••• ExtraDial	Enter the internal telephone number of the Extra-Dial telephone. This allows you to assign an additional Direct-dial telephone in the Norstar system for each schedule you use.
••• Line settings	Select ringing service options for each line.
•••• Show line: _	Enter the valid line number.
••••• Ring grp	Press change to enter the line number of each pre-defined ring group between 001 and 100.
••••• Aux. ringer	Indicate whether the auxiliary ringer (if installed) also rings for this line when Ringing service is on.
•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6	Enter the information for each of these settings as you have done for Night sched.
• Restrtn service	Programming section where you can select the method for activating alternate restrictions.
•• Sched:Night	In this section you can indicate how alternate call routing should be activated for each of the schedules.
••• Service	Select how you want your service activated.
•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6	Set up activation method for each of these settings, as you have with Night sched.
• Routing service	A programming section that lets you create up to 500 destination codes and 999 routes to provide a dialing plan or for "least cost routing".
•• Routes	Create the routes to be used when a destination code is dialed.
••• Show route: _	Enter the number of the route you want to create.
•••• DialOut	Enter the number (up to 24 digits or characters) you want this route to dial out (if required).

•••• Use	Select the line pool you want this route to use.
•• Dest codes	Define which routes are used when a destination code is dialed.
••• Show DstCode:_	Up to 500 destination codes are programmable. Enter the digits (up to 7 digits) of the destination code that you want to define a route. No two destination codes can be identical. A destination code cannot begin with a digit assigned as the Call Park prefix, or a Direct-dial digit. It cannot be the same as, or be the start digits of a DN, the DISA DN or the Auto DN, a line pool code, or a received number.
••• DestCode:_	Enter the new destination code.
••• DestCode:	Shows the destination code you wish to view.
•••• Normal	For the last destination code, define the normal service. Use the route that has the lowest cost for the times when normal service is in use.
••••• Digit absorb	Enter the number of digits from the destination code that will not be dialed as part of the outgoing number.
•••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For the last destination code, define a route for each of the schedules, as you have done for normal service.
•• Sched:Night	This schedule can be activated automatically or manually, or it can be left in the default Off.
••• Service	Select how you want this service activated, if applicable.
••• Overflow	For each schedule, choose whether you want a destination code to use the route assigned to normal service when the route assigned to the schedule is busy.
•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6	Select how you want each of the scheduled services to be activated, and whether a destination code uses the route used with normal service when the route used with the schedule is busy.
• Common settings	In this programming section, you can assign settings that are shared by different services.
•• Control sets	Assign control telephones to turn services on or off.
••• For lines	Select lines for settings and services.
•••• Show line:_	Enter the number of the line you want to program.
•••• L001	Assign a control telephone to each external line. This telephone controls services for the line.
••• For sets	Select the sets affected by this service.
•••• Show set:_	Enter the number of the telephone you want to program.

•••• <internal #>	Assign a control telephone to each telephone. This telephone controls Restriction service and Routing service for the set.
•• Schedule names	The schedule name is shown on the display of the control telephone when the schedule is turned on. It identifies the active schedule.
••• Sched 1 ••• Sched 2 ••• Sched 3 ••• Sched 4 ••• Sched 5 ••• Sched 6	Enter the name of the schedule, or use the default numbering.
•• Schedule times	Enter automatic start and stop times for scheduled services.
••• Monday	Assign the schedule times for Monday, as it applies to your office.
•••• Sched:Night	Select the schedule as it applies to your office.
••••• Start time	Enter the start time.
••••• Stop time	Enter the stop time.
••• Tuesday ••• Wednesday ••• Thursday ••• Friday ••• Saturday ••• Sunday	Assign scheduled start and stop times for each scheduled service and day of week, as you have done for Monday.
Sys speed dial	A programming section that lets you create speed dial codes that can be used by any telephone in the system.
• Speed dial #	Enter the two-digit speed dial code (01-70) that you want to program.
•• 01:	Enter the telephone number (up to 24 digits) that you want to assign to it.
•• Use prime line	Select the line to use for dialing this speed dial number. If you select Use routing table, the number dialed is treated as a destination code and is routed according to the routing tables.
•• Display digits	Select whether a telephone displays the number dialed when a speed dial number is used.
•• Name	Enter a name (up to 16 characters) for a speed dial number. When the number is dialed, the telephone displays the name, not the number. This heading only appears if Display digits is N.
•• Bypass restr'n	Select whether a programmed system speed dial number can bypass restrictions programmed for a line and/or a telephone.
Passwords	A programming section that lets you assign passwords to restrict access to programming and system features.
• COS pswds	Create up to 100 six-digit passwords that control access and use of the Norstar system by internal and remote users.
•• Show pswd#:_	Enter the two-digit Class of Service password number (00-99).

•• COS pswd #00	Indicates the number of the password to which you are assigning information.
••• Pswd 00	Enter a six-digit password.
••• User flt	Assign a restriction filter to the Class of Service password.
••• Line flt	Select whether a Class of Service password will use the default line filter or a different line filter (enter the two-digit filter number).
••• Remote pkg	Select whether a Class of Service password will use the default remote package or a different remote package (enter the two-digit remote package number).
• Call log pswds	A programming section that allows you to clear any Call Log password programmed with the Call Log feature.
•• Show set:_	Enter the DN of the telephone you want to program.
••• Log pswd	Erase the call log password for this telephone.
• Programming pswds	In this section you can create your own password rather than use the default.
•• Installer	Enter the new installer password which gives you access all the programming settings.
•• SysCoord+	Enter the new system coordinator password which gives you access to selected programming settings.
•• Sys coord	Enter the new system coordinator password which gives you access to everyday programming settings.
•• Basic	Enter the new basic password which gives you access to the most commonly used programming settings.
• Reg pswd.	Enter the new registration password which lets you register portable telephones to the system.
• Hospitality	A programming section that allows to create Hospitality services passwords if required, rather than use the defaults.
•• Desk pswd	Enter the new Desk password which gives access to all Hospitality services programming settings.
•• Cond pswd	Enter a Condition password which gives certain employees access to the Room condition programming settings in Hospitality services.
Time&Date	A programming section that lets you set the system's clock to the correct time and date.
System prgrmg	A programming section that lets you change system-wide settings.
• Hunt groups	A programming section that lets you set up incoming calls on a specific DN to be routed to a group of sets.
•• Show group:_	Enter the DN of the telephone you want to program.
••• Member DNs	Enter the DN of the telephone you want to add to the group.
•• Line assignment	Allows you to assign or unassign a line to a particular hunt group.
•• Mode:	Allows you to determine how an incoming call will be handled by the hunt group.
•• Hunt delay:	Select a delay value to determine how long a set rings before the call moves on the next member set.
•• If busy:	Allows you to determine how an incoming call is to be treated when all hunt group member sets are busy.
•• Q Timeout:	Allows you to set the number of seconds the incoming call remains in the hunt group call queue before it is offered to the overflow position.
•• Overflow:	Enter the DN of the set you want the hunt group overflow calls to be presented.

•• Name:	Enter the name of the hunt group.
• Change DNs	Change the DN of a telephone. All DNs must be the same length. The first digit of a new DN cannot be the same as the external line access code, the Call Park prefix, the Direct-dial digit, or the first digit of a line pool access code. If you change an individual DN, you must quit programming for the change to take effect. If you have additional programming to do, quit and then begin a new programming session.
• Featr settings	These settings can be changed or activated to suit specific telephones.
•• Backgrnd music	Select whether users can listen to music through their telephone speaker using the Background Music feature (Feature <input type="text" value="8"/> <input type="text" value="6"/>). A music source must be connected to the ICS.
•• On hold	Select whether a caller on hold hears music (from a source such as a radio connected to the ICS), periodic tones, or silence.
•• Receiver volume	Select whether the volume of a telephone receiver/headset automatically resets to the system default level, or retains the level set at the telephone.
•• Camp timeout	Select the number of seconds a call can remain camped before it returns to the telephone that camped it.
•• Park timeout	Select the number of seconds a call on an external line can remain parked before it returns to the telephone that parked it.
•• Park mode	Select whether the system will use Call Park codes in a sequence from lowest to highest, or use the lowest numbered code that is available when the call is parked.
•• Trnsfr callbk	Select the number of times a transferred call rings before it returns to the telephone that transferred it.
•• DRT to prime	Select whether to automatically transfer unanswered external calls to a prime telephone.
•• DRT delay	Select the number of times a call rings before Delayed Ring Transfer transfers it to a prime telephone. This setting only appears if DRT to prime is Yes.
•• Held reminder	Select whether the telephone reminds you when a call is on hold.
•• Remind delay	Select the number of seconds before the telephone reminds you that a call is on hold. The setting only appears if Held reminder is Yes.
•• Directd pickup	Select whether users can answer calls at any telephone using the directed call pickup feature (Feature <input type="text" value="7"/> <input type="text" value="6"/>).
•• Page tone	Select whether users can hear a Page Announcement tone (Feature <input type="text" value="6"/> <input type="text" value="0"/>) over the system.
•• Page Timeout	Select the number of seconds before a Page is automatically disconnected.
•• Daylight time	Select whether daylight savings time is automatically applied to the system clock.
•• Call log space	Customize how Call log space is allocated to telephones in the system.
••• Reset all logs?	This programming step confirms that you want to reallocate the Call log space equally to all telephones in your system.
••• Space/log	Select the Call log space that will be given to all telephones in the system.
•• Host delay	Select the delay, in milliseconds, between the selection of an outgoing line and the moment that Norstar sends dialed digits or codes on that line.
•• AlarmSet	Enter the DN of the telephone used to display alarm messages when a problem occurs in the Norstar system.
•• Set relocation	Select whether telephones in the system can be moved without losing their programming.
•• Msg reply enh	Select whether to provide light message waiting lamps or a stuttered dialtone on selected analog telephones on specially equipped ASMs.

•• Anskey:	Allows you to assign up to eight answer keys. Settings are Basic, Enhanced, and Extended.
• Direct-dial	Select whether an internal or external number is used for the Direct-dial telephone.
•• D-Dial 1	Enter the internal or external numbers that the system will automatically dial when someone enters the Direct-dial digit.
••• Intrnl#	Enter the DN number of the direct-dial telephone. If it is an external number, you will also have to choose how the outgoing call is made.
•• D-Dial 2 •• D-Dial 3 •• D-Dial 4 •• D-Dial 5	Program the settings for each direct-dial telephone, as you did for Set 1.
• CAP assignment	The DN of the telephones to be assigned as the central answering position (CAP). The CAP must be a M7234 telephone.
•• CAP 1 •• CAP 2 •• CAP 3 •• CAP 4 •• CAP 5	Enter the DN of the CAP telephones.
• Access Codes	In this section, you can enter the access codes for Line pool, Park prefix, Extrnl code, Direct-Dial, Auto DN, and DISA DN.
•• Line pool codes	Enter a line pool access code for each line pool. A code can be one to four digits in length. A line pool access code cannot start with the same digits as the Call Park prefix or the Direct-dial digit, any DN (including Rec'd #s, the DISA DN, or the Auto DN), or a destination code.
•• Park prefix	Select the first digit of the Call Park retrieval code.
•• Extrnl code	Enter the one-digit external line access code. This code allows an M7100 telephone or a device connected to an ATA to access external lines. The external line access code cannot be the same as the Call Park prefix, the Direct-dial digit, or the first digit used by an internal DN.
•• Direct-dial	Select the digit used to dial a Direct-dial telephone. The digit cannot be the same as the first digit of a DN, of a line pool access code, the external line access code or the Call Park prefix. It cannot be the first digit of a destination code.
•• Auto DN	Enter the DN that a remote user can dial on an auto answer Loop line so that the line is answered with system dial tone. A remote user can then use the system resources allowed by the remote access package assigned to the line. The length of the Auto DN is the same as the Rec'd # length. The Auto DN cannot be the same as a line pool access code or a destination code.
•• DISA DN	Enter the DN that a remote user can dial on an auto answer Loop line so that the line is answered with stuttered dial tone. A remote user must then enter a Class of Service password to gain access to system resources. The remote access package assigned to the Class of Service password determines which resources they can use. The length of the DISA DN is the same as the Rec'd # length. The DISA DN cannot be the same as a line pool access code or a destination code.
• Remote access	In this programming section, you can create a system of controlled access to your Norstar system.

•• Remote access pkgs	Create packages to apply to lines that allow or restrict the remote access to Norstar line pools and/or to paging.
••• Show pkg: _	Enter the two-digit remote package number (00-15). Package 00 is pre-set to allow no access.
•••• LinePool access	For each package, select whether the user will have access to your system's line pools.
••••• Pool <pool letter (pool code)>	For each line pool, select whether a remote user can have access.
•••• Remote page	For each package, select whether a remote user can access the Page feature.
•• Rem line access	Select the remote access packages to be applied.
••• Show line: _	Enter the line number.
• Change DN type	A range of DNs is available to either portable telephones or ISDN terminal equipment.
•• Show DN: _	Enter the DN for which you want to change the DN type.
••• 637	Select whether this DN is reserved for use with a portable telephone or with ISDN terminal equipment.
Companion	This section allows you to set up Base Stations and program the portables in your Companion system.
• Registration	This section allows you to register the portables to the system.
•• Registration	The ability to turn portable registration on or off.
•• Portable DNs	Identifies the access line to which a portable is registered.
••• Show DN: _	Shows the DN of the portable.
• Radio data	In this programming section you can initiate a re-evaluation
•• Re-evaluation	A process which automatically assigns Base Stations to cells and defines the cell configuration.
••• Status	Indicates the status of the Re-evaluation.
• Radios	Provides information on cell assignment and antenna type.
•• Cell assignment	View whether a radio is assigned to a cell or unassigned.
••• Show radio	Enter the number of the radio.
•• Antenna type	Indicates the type of antenna selected for each Base Station.
••• Show radio	Enter the number of the radio.
• Cells	Provides information on cells within the system.
•• Show cell: _	Enter the number of the cell you wish to program.
•• Cell radios	Assign a radio to this cell.
••• Show radio: _	Enter the number of the radio.
•• Cell nghbrs	Assign a cell to be a neighbor (a cell that physically adjoins another cell) to this cell.
••• Show nghbr	Allows you to view cell nghbr information.
•• Cell rad nghbrs	Assign a cell to be a bordering cell to each cell neighbour.
•• Show RadNghbr	Allows you to view cell rad nghbr information.
• System LID	The System Access Logical Identifier (LID) by which the system identifies itself to portable telephones and which the portable telephones use to request service from the system.

• Rec'd # length	Select the number of digits received on auto-answer lines. These digits are used to identify the Auto DN and DISA DNs, and to route calls to target lines.
• DN length: _	Select the length of DNs. DN length can be three to seven digits. Each increase in DN length adds the digit "2" to an existing DN (for example: DN 344, increased to five digits becomes 22344).
• Nat'l length	The length of the telephone number dialed to reach a person within the same country.
• Make/Break:	Select the Make/Break ratio. The default Make/Break ratio is 40 / 60.
• BusName: _	Allows you to specify the name of your company. The name is shown on the telephone display.
• CbC limits	The Call by Call limits section lets you program the minimum and maximum incoming calls and the maximum and minimum outgoing calls for the selected PRI line pool.
•• Pool PRI-A	Select the PRI line pool (PRI-A, PRI-B....) for which you wish to set the limits.
••• Show: Public	Select Public or Private
•••• Min incoming	Enter the minimum number of incoming PRI lines you desire.
•••• Max incoming	Enter the maximum number of incoming PRI lines you desire.
•••• Min outgoing	Enter the minimum number of outgoing PRI lines you desire.
•••• Max outgoing	Enter the maximum number of outgoing PRI lines you desire.
• Release reasons	Release reasons.
• Hospitality	Hospitality services programming.
•• Room/desk information	Setting that allows the installer to assign sets to a room.
••• Show set: _	Indicate the set you wish to configure.
••• Room #: _	Indicate the room associated with the set.
••• Adm pwd req'd:	Indicate whether the set requires the use of the Hospitality Desk Admin password to access Hospitality Desk features.
•• Call Restrns	Setting that allows the installer to assign dialing filters to room occupancy states.
••• Vacant	Setting that indicates the Room is empty.
•••• Use flt:	Enter the dialing filter for the room state. The filters range from 00 to 99.
••• Basic	Indicates the filter to be assigned for that level of room occupancy.
••• Mid	Indicates the filter to be assigned for that level of room occupancy.
••• Full	Indicates the filter to be assigned for that level of room occupancy.
•• Service time	Setting that allows for the installer or system coordinator to program a system-wide time when occupied rooms change state from Service done to Needs service.
••• Hour	Enter the hour.
••• Minutes	Enter the minutes.
•• Alarm	Setting that allows the installer to configure the Alarm operation.
••• Attn attempts:	Number of times the Alarm time feature attempts to get the attention of the occupant before cancelling.
••• Retry intrvl	The interval period in minutes, between each Alarm attempt.
••• Time format	Choose if alarm times are entered using a 12 hour or 24 hour clock.

••• Attn duration	The period programmed in seconds for which a set alerts on each alarm attempt.
Telco features	This programming section lets you assign settings for external voice messaging services.
• VMsg ctr tel#s	Allows you to enter the telephone numbers of the voice message centers.
•• VMsg center 1 •• VMsg center 2 •• VMsg center 3 •• VMsg center 4 •• VMsg center 5	You can enter numbers for up to five voice message centers.
••• Tel#	Enter the telephone number (up to 24 digits) to store.
• ONN blocking	Allows outgoing name and number to be blocked at the called party end on both analog and digital lines.
•• Analog VSC	Analog Vertical service code.
••• Tone	Vertical service code for analog tone dialing trunks.
••• Pulse	Vertical service code for analog pulse dialing trunks.
•• BRI VSC	Basic Rate Interface Vertical service code.
••• Code:	
Software keys	In this section, you can activate optional features and services through Northern Telecom.
• SysID	This number can be viewed on any M7324 or M7310 telephone display. Record the number, which you will be asked to provide when you call the Nortel Customer Response Center.
• Password keys	Keys are required for some system expansion activities and to activate the remote monitoring capability. To obtain the required Software keys for Companion, call the Nortel Customer Response Center at: 1-800-321-2649. To obtain the required keys for ISDN PRI, and fixed access trunks/WAN access for Data Modules, call the Nortel Customer Response Center at: 1-800-684-5825.
•• Key 1	Enter the eight-digit password.
•• Key 2	Enter the eight-digit password.
•• Key 3	Enter the eight-digit password.
Hardware	In this section, you can view and configure the Trunk Cartridges and BRI Cards installed in the ICS.
• Show module:_	Indicate the module you wish to view.
• Cards on KSU	View and program the cartridges and cards installed in the ICS.
•• Cd1-KSU	View the type of card that occupies the right-most slot in the ICS.
••• Card type	The display shows the current card type.
••• Lines	View the line-number range for the lines on a Trunk Cartridge.
••• Discon timer	Specify the duration of an Open Switch Interval for a Trunk Cartridge.
••• Answer timer	Select the minimum duration, in seconds, of an answer signal before a call is considered to be answered, for an E&M trunk cartridge.

•• CO fail	Select the carrier failure standard used by your T1 service provider. This setting only appears for DTIs.
•• I/F levels	Interface levels defaults to the ISDN loss plan setting. Find out if your Norstar system is connected to a central office (CO) with digital network loss treatment (ISDN I/F levels) or analog network loss treatment (PSTN I/F levels) by checking with your telecommunications service provider.
•• Framing	Framing lets you select the framing format used by your T1 service provider. This setting only appears for DTIs.
•• Internal CSU	Internal CSU allows you to turn the internal T1 channel service unit on or off. The channel service unit gathers performance statistics for your T1 lines.
•• CSU line bld	CSU line build allows you to set the gain level of the transmitted signal. This setting only appears for DTIs that have their internal CSU turned on.
•• DSX1 bld	DSX1 build out allows you to set the distance between the ICS and an external channel service unit. This setting only appears for DTIs that have their internal CSU set to Off.
•• Line coding	Select the standard used by your T1 service provider for encoding signals on the T1 lines.
•• ClockSrc	Determine the type of clock source.
••• Loops	View the loops on a BRI Card.
••• Loop nnn	View the settings for a particular loop on a BRI Card.
•••• Type	View or change the loop type.
•••• Sampling	Select the sampling used by an S-loop.
•••• DN _s on Loop	Assign the ISDN DN _s that use this loop.
••••• Assign DN _s	Enter ISDN DN _s for each S-loop or LT-loop.
••••• Show DN: _	Indicates whether or not the DN is assigned to a loop.
••••• Loop DN: _	Select the main ISDN DN, if any, for the loop.
••• SPID1	Enter the SPID supplied by your service provider.
••• # of B-channels	Select the number of B-channels that are associated with the SPID.
••• Network DN _s	Enter the Network DN _s that are associated with the SPID. A Network ISDN DN can be assigned to more than one SPID.
•••• Call type	Select the Call type used with the Network DN. For each ISDN DN, use only one of each of the Voice and Data call type settings, or a single Both call type setting.
••• D-packet service	Configure the D-packet service for this loop. Only one loop on each card can support D-channel packet service.
•••• D-packet service	Turn the D-packet service for this loop on or off.
•••• Lp001	Select the S-loop (for BRI-ST Card) or LT-loop (for BRI-U2 or BRI-U4 Card) that supports the D-packet service.
••• TEI _s	Add up to eight Terminal Endpoint Identifiers (TEI _s). Each TEI is supplied by your service provider and is associated with an ISDN device.
•••• TEI	Enter the two-digit TEI _s supplied by your service provider.
••• ClockSrc	Determine the type of clock source.
••• ONN blk	Determine the ONN blocking for BRI loops.
••• SPID2	Enter the second SPID supplied by your service provider, if applicable.

• Cd2 on KSU	Select the type of card that occupies the second slot in the ICS (The slots are numbered from left to right). If your system is using 4x8 software which has not been upgraded, this setting does not appear.
•• Mod 03 •• Mod 04 •• Mod 05 •• Mod 06 •• Mod 07 •• Mod 08 •• Mod 09 •• Mod 10 •• Mod 11 •• Mod 12 •• Mod 13 •• Mod 14	View and program the cards installed in the modules.
••• StnMod	Station Module
••• ASM	Analog Station Module
••• TrunkMod	Trunk Module
••• DataMod	Norstar Integrated Data Module 200 (IDM 200), BayStack or Synchronous Data Interface (SDI)
•••• Type	Shows type of data module. You can change the type if no data module is currently attached to the expansion port.
•••• IP address	Shows you the IP address for a data module (BayStack only).
•••• Fixed access	Allows you to assign Fixed lines to supported data modules (IDM 200, BayStack or SDI).
•••• Switched access	Allows you to assign lines used for dial-up network access to the data module (BayStack only).
••••• Line assignment	Allows you to select Fixed lines the data module (BayStack only) uses for switched access.
••••• Line pool access	Allows you to give the data module (BayStack only) line pools access to support switched access.
••••• DataMod NVRAM	Lets you reset the NVRAM of the IDM 200 data module to the factory defaults.
••••• Config	Lets you configure the settings for the SDI.
••••• Ptl	Select the physical interface used to connect the SDI to the data networking equipment.
••••• DS0 rate	Select the transmission rate of the channels (Fixed lines) assigned to the SDI.
••••• TxCclk src	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
••••• TxCclk invrsn	Invert the signal used by the SDI to synchronize data from the DTE to adjust for round trip delays between the SDI and DTE.
••••• Data invrsn	Inverts data travelling through the SDI before routing it to the T1 connection or DTE to allow the SDI to support HDLC/SDLC (a transmission standard for data) protocol.

•••• Lp state	Shows you the direction of the loopback, if any, generated by the SDI.
•••• Fixed access	Allows you to assign Fixed lines to supported data modules (IDM 200, BayStack or SDI).
• Maintenance	This programming section lets you make diagnostic checks on the system.
• System version	Record the system version shown on the display after entering the maintenance section.
• Port/DN status	View the Port/DN status.
• Module status	View the Module status.
• Sys test log	View a list of audits, event messages, and alarm codes.
• Sys admin log	View a list of administrative events performed on Norstar.
• Network evt log	View the items in the Network Log, which keeps a record of diagnostic test results, audits, event messages, and alarm codes that relate to the digital network interface.
• Provisioning	Place BRI loops in or out of service.
• Tests	Run and list any BERT-set tests.
• CSU stats	View the performance statistics for your T1 lines.
• Diagnostic tools	Diagnostic tools programming performed by experienced personnel.
• Usage metrics	This section allows you to gather statistical information on Hunt group usage.

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