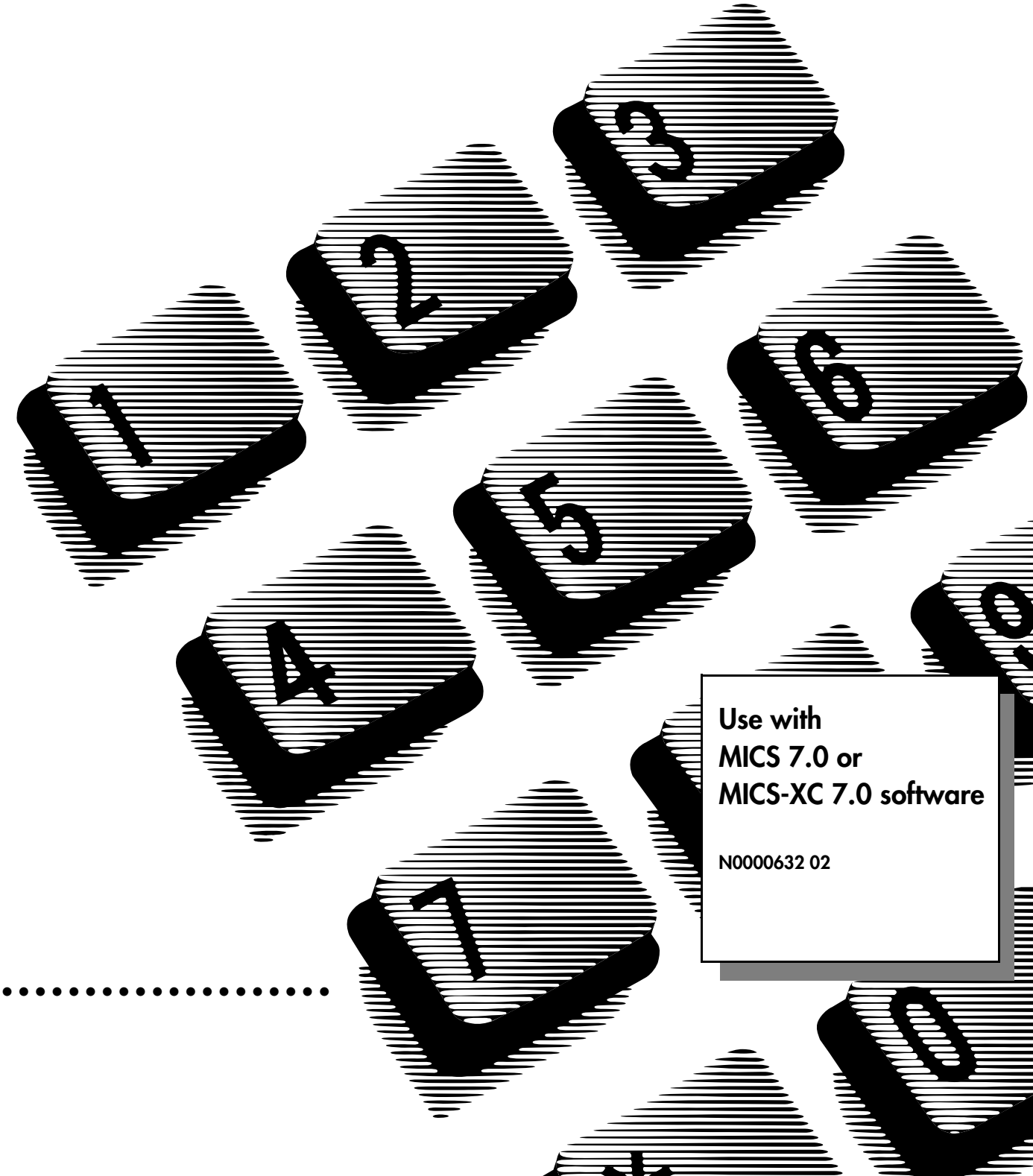
Return to Menu

NORTEL NORSTAR

Modular ICS 7.0 Programming Record

(includes MICS-XC programming)

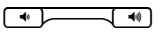


Use with
MICS 7.0 or
MICS-XC 7.0 software

N0000632 02

Telephone buttons

This guide uses the 7316/7316E digital phone button icons for programming procedures. Refer to the table below for the keycap icons that correspond to the programming commands.

Button description	7316/7316E digital phones
Feature	
Hold	
Volume Control	
Release	

Contents

Telephone buttons ii

General information 1

Copying set programming 1

Installed equipment 2

Programming overview (Profiles 1 and 4) 3

Programming overview (Profiles 2 and 3) 7

Hardware 10

Modules 10
Digital Mobility Hardware 10
Digital Mobility Repeaters 11
Digital Mobility Phones 12

Installed digital and analog phones 13

Initial settings 14

Profile 14
Dialpad 14
Startup 14

Terminals&Sets 15

Line Access 15
Capabilities 16
Name 17
User prefernces 17
Button prgrming 18
7100 Button Programming 18

Model 7208 Button Programming 19
Model T7316 Button Programming 20
Model T7316E and KIM Button Programming 21
KIM 22
Legacy Norstar 7324 Button Programming and CAP Assignments 23
Legacy Norstar M7310 Button Programming 24
User speed dial 25
Restrictions 26
Restrn filters 26
Set restrns 29
Line/set restrns 29
Telco features (Terminals&Sets:Telco features) 30
Feature assignmnt 30
1stDisplay 30
Called ID 30
Call log set 30
Log space 30

Lines 32

Trunk/Line Data 32
If Target Line 32
If T1 and Groundstart 33
If T1 and Loopstart 33
If T1 and E&M 34
If T1 and DID 35
If BRI-2 or BRI-ST (ISDN) 36
If BRI-U2 or BRI-U4 (ISDN) 36
If PRI (ISDN) 37
If PRI ETSI 37
If T1 and Fixed 37
Name 37
Restrictions 38
Line restrns 38
Remote restrns 38
Telco features 38

Services 39

Ringing service 39
Restrn service 40
Routing service 41
If PRI-A, PRI-B, PRI-C, or PRI-D 42
If service type requires service id 42
If Protocol is SL-1 or TIE service type 42

Second dial tone 42
Using line pools to create a dialing plan 43
Dest codes 44
Activating routing schedules 46
Common settings 46
Control sets 46
Schedule names 46

Sys speed dial 47

Passwords 48
COS pswds 48
Call log paswds 49
Progrming pswds 49
Hospitality 49
SM Passwd 49

Time&Date 50

System prgrming 50
Hunt groups 50
Change DNs 50
Featr settings 51
Direct-dial 52
CAP/KIM assgn 52
Dialing plan 53
Access codes 53
Remote access 54
Rec'd # length 55
DN length 55
National length 55
Make / Break 55
Business name 55
CbC limits 55
Release reasons 55
Hospitality 56
SM sets 56

Network Services 56

ETSI (Profile 2, only) (software key required) 56

MCDN (Profile 1, 2, and 3, only) (software key required) 56

Telco features 57

VMSg ctr tel#s 57

ONN blocking 57

Software keys 58

SysID 58

Password keys 58

Password keys for ISDN PRI 58

Password keys for fixed T1 lines 58

Password keys for Advanced Private Network and Private Network Tandeming (MCDN) 58

Hardware 59

Cards on KSU 59

If card is a Loop card 59

If card is a T1 card 59

If card is a PRI card 60

If card is an ETSI PRI card 61

If card is a DID card 61

If card is an E&M card 61

If card is a BRI-U2, BRI-U4 or BRI-ST card 61

If card is a BRI-2 or BRI-ST card 62

Modules 63

MICS-XC (additional modules) 63

MICS-XC (additional modules) 64

TrunkMod 65

StnMod 67

Maintenance 68

System version 68

Sys test log 69

Sys Admin Log 70

Network evt log 71

Template specific defaults 72

Terminals&Sets defaults 72

Lines defaults 73

Services defaults 76

Legacy equipment programming (Companion handsets) 77

Companion programming charts 77

System LID (Companion sets for MICS-XC systems) 77

Software keys (SysID) 77

Companion ID 77

Password keys for Companion (MICS-XC systems) 77

Reg. pswd (XC Companion) 77

Change DN type (Companion sets for MICS-XC systems) 78

Registration 79

79

Radios and Cells (Companion CT2+ sets for MICS-XC systems) 80

Glossary of programming headings and settings 81

General information

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

All defaults for the default templates are shown in bold and underlined text.

Copying set programming

You can use the COPY command 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 that copies

Line access
- Line assignment
- Answer DNs (unless Answer button DN is same as set being copied to)
- Line pool access
- Prime line designation
- Number of intercom keys
- Outgoing line identification (OLI)

Restrictions
- Line/set restrictions
- Set restrictions
- Set Lock
- Allow Last Number Redial
- Allow Saved Number Redial
- Allow Link
- Line/set restrictions

Capabilities
- Allow Redirect
- Call Forward No Answer (DN or Route + number + delay)
- Call Forward Busy (DN or Route + number)
- Priority Calling
- Paging
- 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)
- SWCA call group

Telco Features
- Caller ID set (*Auto call info*)
- Call log set
- 1stDisplay

System data that does not copy

Line access
- Private line appearances

Capabilities
- Set Name
- Use ringback setting under ATA settings (for I-ATA only)

Telco features
- Log space

Passwords
- Call log password

CAP/KIM assgn
Direct-dial set designation
ExtraDial set designation
Service mode ringing set designation
Prime set designation for a line
Hunt group appearances
SM Supervisor

User data that copies	User data that copies if destination set type is the same as the source set type	User data that does not copy
Language choice Ring type Call log options (*Auto logging)* Display contrast Dialing options (automatic, predial, standard)	External autodial button assignments Internal autodial button assignments Programmable button assignments	CAP/KIM memory button assignments Ring volume User speed dial entries

Installed equipment

0X32 ICS

Quantity	Equipment
	Integrated Communication System (ICS)
	Modular ICS NVRAM cartridge
	Modular ICS ROM software cartridge
	Cartridge assembly
	Expansion Cartridge 2-port (fiber)
	Expansion Cartridge 6-port (fiber)
	6-port Expansion and IVD Services (Combo card)
	Expansion Cartridge 2-port (copper) (Profiles 1 and 4
	Expansion Cartridge 6-port (copper) (Profiles 1 and 4
	Digital Trunk Interface (DTI)
	off-core Digital Trunk Interface (DTI)
	Trunk Cartridge, Loop Start (ICS or Trunk Module)
	Trunk Cartridge, Loop Start (Trunk Module)
	Trunk Cartridge, E&M/DISA
	Trunk Cartridge, DID
	Trunk Cartridge, CI (GATC)
	Services Cartridge
	Trunk Module (fiber)
	Trunk Module (copper) (Profiles 1 and 4 only)
	Station Module (fiber)
	Station Module (copper) (Profiles 1 and 4 only)
	Remote Power Interconnect
	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
MICS-XC-specific equipment	
	Plug Top Power Supply
	C1110 Base Stations (PCI)

Telephones

Quantity	Equipment
	7100 digital phone
	7208 digital phone
	7316E with 1 or more KIM modules
	7316 digital phone
	7316E digital phone
	7406 digital cordless telephone
	7000 digital phone (limited markets)
	Single-line telephone (analog telephone)
	Emergency telephone
	Digital Mobility controllers:
	Digital Mobility base stations
	Digital Mobility repeaters
	Digital Mobility phones
	Legacy telephones:
	7000/7100/7208/7310/7324
	7324 with 1 or more CAP modules
	Companion
	Note: The buttons shown in this document re-
	the 7316E digital phone icons.

Data terminals

Quantity	Equipment
	Analog Terminal Adapter (ATA) or (ATA2)

Auxiliary equipment

Quantity	Equipment
	External paging equipment
	External music source
	Station auxiliary power supply
	Auxiliary ringer
	Shoulder rest
	Headset

Programming overview (Profiles 1 and 4)

Defaults are shown in bold and underlined

Profile

PROF 1

Dialpad

Q, Z:0

Startup

Template: Square/(XC)PBX

Start DN: 221

Terminals&Sets

Show set:_

Line access

Line assignment
Show line:_
(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 A: Y
(if there are PRI pools)
LinePool PRI-A: N
Prime line: I/C
Intercom keys: 2
Answer DNs
Show set:_
222: Unassigned
OLI#: None
OLI as calld #: 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
Intrusion
Protect Lvl: None
ATA settings
ATA ans timer: 7
ATA use: Off site
MsgIndicate: None
ATA dvc: Modem
SM Supervisor: N
SWCA call group

Name

221

User prefernces

Mdl: M7208
Button prgrming
User speed dial: (256-279)
Call log opt'ns: No one answered
Dialing opt'ns: Standard dial
Language: English
Display cntrst: 4
Ring type: 1

Restrictions

Restrn filters
Show filter: _
Restn 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
Show line:_
Normal: None
Night: None
Evening: None
Lunch: None
Sched 4: None
Sched 5: None
Sched 6: None

Telco features

Feature Assignment
Show line:_
Caller ID set: N
Extl VMsg set: N
1st Display: Name
Called ID: N
Call Log Set
Log space
Log: 0 Pool: 600

Lines

Show line:_

Trunk/Line data

(If Target Line)
Line type: Public
Rec'd #: None
PrimeSet: 221
Distinct Ring: None
Aux. ringer: N
If busy: PrimeSet
(If T1 and Loopstart)
Trunk Type: Loop
Line type: Pool A
Dial mode: Tone
PrimeSet: 221
Distinct Ring: 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
Distinct Ring: None
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
Distinct Ring: None
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
Distinct Ring: None
Auto privacy: Y
Ans mode: Manual
Ans with DISA: Y
Aux. ringer: N
Full AutoHold: N
(If PRI Lines).
Trunk Type: PRI
Line type: PRI-A for 001-023
PRI-B for 025-047
Off-core DTI: PRI-C snd PRI-D
midi: 061 to 073 or 085 to 097;
mega: 085-097 or 061-073)
PrimeSet: 221
Distinct Ring: None

Name

Line001

Restrictions

Restrn filters
Show filter: _
Restn 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

VMsg center: 1

Programming overview (Profiles 1 and 4) continued ...

Defaults are shown in bold and underlined

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

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, PRI-A - PRI-D
(If PRI-A, B, C, or D)
SrvcType: **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:
Sched:Normal **000**
Absorb length **All**
Sched:Night **None**
First route
Absorb length
Second route
Absorb length
Third route
Absorb length
Sched:Evening **None**
Sched:Lunch **None**
Sched:Sched 4 **None**
Sched:Sched 5 **None**
Sched:Sched 6 **None**
Second dial tone
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 #:_ *(001 to 255)*
001: **No number**
(if number is programmed)
Use prime line
Display digits **Y**
(if Display digits=N)
Name **Sys Spd Dial 001**
Bypass restr'n **N**

Note: To make use of the Alpha tagging feature, you must specify a name for the speed dial.

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**

Progrming pswds

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

Hospitality

Desk pswd **4677**
(HOSP)
Cond pswd **None**

SM passwd **745368**

Time&Date

Hour **01**
Minutes **00**
Year **02**
Month **01**
Day **01**

System prgrming

Hunt groups

Show group:_
HGnn:<DN>
Member DNs
M001: **Appr&Ring**
Line assignment
Show line:_
Lnnn: **Unassigned**
Mode: **Broadcast**
Hunt delay: (sequential mode only) **4**
If busy: **BusyTone**
Timeout: **60**
Overflow: <DN> or <hunt group DN>
Name: <7 characters>
Aux. ringer **N**
Distinct Ring None

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**
SWCA cntl
Auto Associate
Auto Assc I/C **N**
Invoke by Hold **N**
SWCA Hold I/C **N**
Call log **set**
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**
Silent Monitor **N**
Clid match **8**

Direct-dial

D-Dial 1 **Intrnl**
Use prime line

CAP/KIM assignment

CAP/KIM1 **None**

Programming overview (Profiles 1 and 4) continued ...

Defaults are shown in **bold and underlined**

Dialing Plan

Private network
- Type: **None**
- Priv DN len: **3**
- Type: CDP
- PrivNetId: **1**
- Priv DN len: **3**
- Type: UDP
- PrivNetId: **1**
- Loc code: **None**
- Priv DN len: **3**

Public network
- Pub DN lengths
  - Show prefix:
  - Prfx:Deflt
  - DN length: **7**

Dial timeout
- Dial timeout: **4**

Access codes

Line pool codes
- Line pool A: **9**

Park prefix: **1**

Extrnl code: **None**

Direct-dial: **0**

Auto DN: **None**

DISA DN: **None**

PrivAccCode: **None**

Carrier Codes
- *Prfx:* *10*
  - ID length: 3
- *Prfx:* *101*

Remote access

Rem access pkgs
- *Show pkg:_*
- 00
  - LinePool access
    - PRI-A (A-D): **N**
    - Pool A (9): **N**
    - Pool B (B-O) ( ): **N**
  - Remote page: **N**
- 01: **N**
  - LinePool access
    - PRI-A (A-D): **N**
    - Pool A (9): **Y**
    - Pool B (B-O) ( ): **N**
  - Remote page: **N**

Rem line access
- *Show line:_*
- L001 Rem pkg: **00**

Change DN type (MICS-XC only)

- *Show DN*
- 637: **Portable**

State: **Available**

Companion (MICS-XC only)

Registration
- Registration: **N**

Portable DNs
- *Show DN:*
  - 637: **Availble**

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

BusName: None

CbC limits (NI-2 protocol only)

Pool PRI-A
- *Service: Public*
  - Min in
  - Max in
  - Min out
  - Max out
- *Service: Tie*
- *Service: FX*
- *Service: OUTWATS*
- *Service: 800*

Pool PRI-B

Release reasons

Text: **None**

Hospitality

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**

Expired Alarms
- Notify set: **None**
- Use Tone: **N**

SM sets: 5

Network Services

(SL-1 MCDN only)

MCDN
- NetwkICCL: **N**
- TRO: **Y**
- TAT: **N**

Telco features

VMsg ctr tel#s

VMsg center 1
- Use: Line|routing tbl
- Tel#: **no number**

VMsg center 2

VMsg center 3

VMsg center 4

VMsg center 5

ONN blocking

Analog VSC
- Tone: **None**
- Pulse: **None**

BRI VSC
- Code: **None**

Software keys

(Used to activate ISDN PRI and fixed access trunks/WAN access for Data Modules) (MICS-XC: also activates Companion features.)

SysID (8 digits)

Password keys

Key 1 (8 digits)

Key 2 (8 digits)

Key 3 (8 digits)

Hardware

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**
- 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 protocol is for MCDN)
- Protocol: **SL1**
- PrivNetID: **1**
- Type: Slave
- BchanSeq: **Descend**
- Send Name Display: **Y**
- ClockSrc: **Primary**
- Max transits: **31**

(If more than one Protocol)
- Protocol: **NI-2**
- PrivNetID: **30**
- 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**
  - I800: **None**
  - 900: **None**
  - SDS: **None**
- CO fail: **TIA-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: **T**
  - Protocol
  - Sampling: **Fixed**

Programming overview (Profiles 1 and 4) continued ...

Defaults are shown in **bold and underlined**

(For S and LT)
- Assign DNs
  - *Show DN:_* **Availabl**
  - Loop DN:_ **None**

(For T & NT)
- SPIDn
- # of B-channels **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 for 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**
  - LinePool access
    - LinePool PRI-A: **N**
      - L001: **Unassigned**
      - Dial-in: **None** (MICS-XC only)

(If DataMod=SDI)
- Type **SDI**
- Config
  - Ptl **V.35**
  - DS0 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 08 **StnMod**

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**

Usage Metrics

- **Hunt groups**
- **Call-by-Call**

Programming overview (Profiles 2 and 3)

Defaults are shown in **bold and underlined**

Profile

PROF 1

Dialpad

Q, Z:0

Startup

Template (MICS)Square/(XC)PBX

Start DN 221

Terminals&Sets

Show set:_

Line access

Line assignment
Show line:_
(If it is a Non-DID line)
L001 Unassigned
(If it is a DID line)
L001 1
LinePool access
LinePool A Y
(if there are PRI pools)
LinePool PRI-A N
Prime line I/C
Intercom keys 2
Answer DNs
Show set:_
222 Unassigned
OLI# None

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
Intrusion
Protect Lvl None
ATA settings
ATA ans timer 7
ATA use Off site
MsgIndicate None
ATA dvc Modem
SM Supervisor N
SWCA call group

Name

221

User prefernces

Mdl M7208
Button prgrming
User speed dial (256-279)
Call log opt'ns
No one answered
Dialing opt'ns
Standard dial
Language English
Display cntrst 4
Ring type 1

Restrictions

Restrn filters
Show filter: _
Restn 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
Show line:_
Normal None
Night None
Evening None
Lunch None
Sched 4 None
Sched 5 None
Sched 6 None

Telco features

Feature Assignment
Show line:_
Caller ID set N
Extl VMsg set N
1st Display Name
Called ID N
Call Log Set
Log space
Log 0 Pool 600

Lines

Show line:_

Trunk/Line data

(If Target Line)
Line type Public
Rec'd # None
PrimeSet 221
Distinct Ring None
Aux. ringer N
If busy PrimeSet
(If PRI Lines (001 to 030, 031 to 060) Profile 2 only
Trunk Type PRI
Line type PRI-A
PrimeSet 221
Distinct Ring None
(If T1 and Loopstart) Profile 3 only
Trunk Type Loop
Line type Pool A
Dial mode Tone
PrimeSet 221
Distinct Ring 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) Profile 3 only
Trunk Type Ground
Line type Pool A
Dial mode Tone
PrimeSet 221
Distinct Ring None
Auto privacy Y
Ans mode Manual
Ans with DISA Y
Aux. ringer N
(If T1 and E&M) Profile 3 only
Trunk Type E&M
Line type Pool A
Dial mode Tone
PrimeSet 221
Distinct Ring None
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) Profile 3 only
Trunk Type DID
Line type Pool A
Dial mode Tone
PrimeSet 221
Distinct Ring None
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 BRI-2 or BRI-ST)
Trunk Type BRI-ST
Line type Pool A
PrimeSet 221
Distinct Ring None
Auto privacy Y
Ans mode Manual
Ans with DISA Y
Aux. ringer N
Full AutoHold N

Name

Line001

Restrictions

Restrn filters
Show filter: _
Restn 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

VMsg center 1

Programming overview (Profiles 2 and 3) continued ...

Defaults are shown in **bold and underlined**

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

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**
Absorb length **All**
Sched:Night **None**
First route
Absorb length
Second route
Absorb length
Third route
Absorb length
Sched:Evening **None**
Sched:Lunch **None**
Sched:Sched 4 **None**
Sched:Sched 5 **None**
Sched:Sched 6 **None**
Second dial tone
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 #:_ *(001 to 255)*
001: **No number**
(if number is programmed)
Use prime line
Display digits **Y**
(if Display digits=N)
Name **Sys Spd Dial 001**
Bypass restr'n **N**

Note: To make use of the Alpha tagging feature, you must specify a name for the speed dial.

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**

Progrming pswds

Installer **266344**
(CONFIG)
SysAdmin+ **727587**
(SCPLUS)
Sys admin **23646**
(ADMIN)
Basic **22742**
(BASIC)

Hospitality

Desk pswd **4677**
(HOSP)
Cond pswd **None**

SM password **745368**

Time&Date

Hour **01**
Minutes **00**
Year **02**
Month **01**
Day **01**

System prgrming

Hunt groups

Show group:_
HGnn:<DN>
Member DNs
M001: **Appr&Ring**
Line assignment
Show line:_
Lnnn: **Unassigned**
Mode: **Broadcast**
Hunt delay: (sequential mode only) **4**
If busy: **BusyTone**
Timeout: **60**
Overflow: <DN> or <hunt group DN>
Name: <7 characters>
Aux. ringer **N**
Distinct Ring None

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**
SWCA cntl
Auto Associate
Auto Assc I/C **N**
Invoke by Hold **N**
SWCA Hold I/C **N**
Call log **set**
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**
Silent Monitor **N**
Clid match **8**

Direct-dial

D-Dial 1 **Intrnl**
Use prime line

CAP/KIM assignment

CAP1/KIM1 **None**

Dialing Plan

Private network
Type **None**
Priv DN len **3**
Type CDP
PrivNetId **1**
Priv DN len **3**
Type UDP
PrivNetId **3**

Programming overview (Profiles 2 and 3) continued ...

Defaults are shown in **bold and underlined**

Loc code **None**
Priv DN len **4**
Public network
Pub DN lengths
Show prefix:
Prfx:Deflt
DN length **7**
Dial time out

Access codes

Line pool codes
Line pool A **9**
Park prefix **1**
Extrnl code **None**
Direct-dial **0**
Auto DN **None**
DISA DN **None**
PrivAccCode **None**
Carrier Codes
Prfx: *10*
ID length: 3
Prfx: *101*

Remote access

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

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: **00**
Mid: **00**
Full: **00**
Service time
Hour: **00**
Minutes: **00**
Alarm
Attn attempts: **3**
Retry intrvl: **4**
Attn duration: **15**
Time format **12hr**
Expired Alarms
Notify set: None
Use Tone: **N**

Network Services

ETSI Profile 2 only
Netwrk Redirect **N**
MCID **N**
MCDN (ETSI)
(SL-1 MCDN only)
NetwkICCL **N**
TRO **Y**
TAT **N**

SM sets **5**

Telco features

VMsg ctr tel#s

VMsg center 1
Use: Line\routing tbl
Tel# **No number**
VMsg center 2
VMsg center 3
VMsg center 4
VMsg center 5

ONN blocking

Analog VSC
Tone **None**
Pulse **None**
BRI VSC
Code **None**

Software keys

(Not used with Profiles 2 and 3)

Hardware

Show Module:_
Cards on KSU
Cd1-KSU **Loop**
Card type **Loop**
Lines
Discon timer **460**
(If ETSI PRI card no MCDN) Profile 2 only
Card type: **PRI**
Lines
Protocol **Euro**
ClockSrc **Primary**
Ovlap recving **N**
(If ETSI PRI card with MCDN) Profile 2 only
Card type: **PRI**
Lines
Protocol **SL1**
PrivNetID **1**
Type Slave
BchanSeq **Descend**
ClockSrc **Primary**
Max transits **31**
(If PRI protocol is for MCDN) Profile 3 only
Protocol **SL1**
PrivNetID **1**
Type Slave
BchanSeq **Descend**
ClockSrc **Primary**
Max transits **31**
(If T1 card) Profile 3 only
Card type **T1**
Lines
Discon timer **460**
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 DID card) Profile 3 only
Card type **DID**
Lines
(If E&M card) Profile 3 only
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 **Primary**
ONN blk **SuprsBit**
Ovlap recving **N**
Public digit length **8**
(For S type)
Sampling **Adaptve**
Assign DNs
Show DN:_ **Availabl**
Loop DN:_ **None**
Cd2-KSU **Loop**
Mod 03-08 (MICS) **StnMod**
Mod 03-14 (MICS-XC) **StnMod**

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

Usage Metrics

Hunt groups

Call-by-Call

Hardware

Modules

Mod 03	**StnMod**	ASM	DataMod	TrunkMod
Mod 04	**StnMod**	ASM	DataMod	TrunkMod
Mod 05	**StnMod**	ASM	DataMod	TrunkMod
Mod 06	**StnMod**	ASM	DataMod	TrunkMod
Mod 07	**StnMod**	ASM	DataMod	TrunkMod
Mod 08	**StnMod**	ASM	DataMod	TrunkMod
Mod 09	**StnMod**	ASM	DataMod	
Mod 10	**StnMod**	ASM	DataMod	
Mod 11	**StnMod**	ASM	DataMod	
Mod 12	**StnMod**	ASM	DataMod	
Mod 13	**StnMod**	ASM	DataMod	
Mod 14	**StnMod**	ASM	DataMod	

Digital Mobility Hardware

Device	Location	Attached to:	ARI code/Control unit #
DM Controller (Primary)		Refer to handset record	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
DM Controller (Secondary)		Refer to handset record	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	

Digital Mobility Repeaters

Repeater #	Location	Attached to:	Busy Bit
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	
		Bstn # _____/Port ____	

Photocopy this record if you have two DMCs

Digital Mobility Phones

DMC port	Host TCM port	DN	Name	IPEI	Auth. code	Master?	Registered date	Removal date
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

To record additional information, photocopy this page before using.

Installed digital and analog phones

Name or location	Telephone model	BLF	CAP/ KIM	ATA	Port No.	Default DN (max. 7 digits)	New DN * (max. 7 digits)

Photocopy pages before using.

Initial settings

Profile

Profile	**PROF 1** PROF 2 PROF 3 PROF 4

Dialpad

Dialpad	**Q, Z:0** Q, Z:7, 9

Startup

Template	**PBX** DID CENTREX SQUARE HYBRID
Start DN	**221** _____

Photocopy pages before using.

Terminals&Sets

Line Access

(Terminals&Sets: Line access)

Sets: (max. 7 digits)							
Line assignment List 3 digit line number and circle line assignment. AR = Appear&Ring A = Appear only R = Ring only blank = **Unassigned**	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R	001 A R 002 A R _ _ _ A R
Appearances (DID lines only)	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____
Line pool access	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O	PRI-A PRI-B PRI-C PRI-D **A** B C D E F G H I J K L M N O
Prime Line	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____
Intercom Keys	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8
Answer DNs Enter DNs of sets to be answered and circle Answer DN type. AR = Appear&Ring A = Appear only blank = Unassigned	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO	A A R RO A A R RO A A R RO A A R RO
OLI#	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____

Photocopy pages before using.

Capabilities

(Terminals&Sets: Capabilities)

Sets: (max. 7 digits)							
Fwd no answer	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:
Fwd delay	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10
Fwd on busy	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:
DND on Busy	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Handsfree	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**
HF answerback	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
Pickup grp	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**	0 1 **2** 3 4 5 6 7 8 9 **None**
Page zone	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None
Paging	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
D-Dial	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None
Priority call	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Hotline	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___
Use Hotline on: (If Hotline = 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:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:
Aux. ringer	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Allow redirect	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Redirect ring	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
Intrusion Protect Lvl	**None**, Low, Med, High	**None**, Low, Med, High	**None**, Low, Med, High	**None**, Low, Med, High	**None**, Low, Med, High	**None**, Low, Med, High	**None**, Low, Med, High
ATA settings ATA ans timer	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 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**
ATA dvc	**Modem** Telephon	**Modem** Telephon	**Modem** Telephon	**Modem** Telephon	**Modem** Telephon	**Modem** Telephon	**Modem** Telephon
MsgIndicate	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp
SM Supervisor	**N** Y	**N** Y	**N** Y	**N** Y	**N** Y	**N** Y	**N** Y

SWCA call group **SWCA buttons**	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:
*521	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____
*522	2 _____	2 _____	2 _____	2 _____	2 _____	2 _____	2 _____
*523	3 _____	3 _____	3 _____	3 _____	3 _____	3 _____	3 _____
*524	4 _____	4 _____	4 _____	4 _____	4 _____	4 _____	4 _____
*525	5 _____	5 _____	5 _____	5 _____	5 _____	5 _____	5 _____
*526	6 _____	6 _____	6 _____	6 _____	6 _____	6 _____	6 _____
*527	7 _____	7 _____	7 _____	7 _____	7 _____	7 _____	7 _____
*528	8 _____	8 _____	8 _____	8 _____	8 _____	8 _____	8 _____
*529	9 _____	9 _____	9 _____	9 _____	9 _____	9 _____	9 _____
*530	10 _____	10 _____	10 _____	10 _____	10 _____	10 _____	10 _____
*531	11 _____	11 _____	11 _____	11 _____	11 _____	11 _____	11 _____
*532	12 _____	12 _____	12 _____	12 _____	12 _____	12 _____	12 _____
*533	13 _____	13 _____	13 _____	13 _____	13 _____	13 _____	13 _____
*534	14 _____	14 _____	14 _____	14 _____	14 _____	14 _____	14 _____
*535	15 _____	15 _____	15 _____	15 _____	15 _____	15 _____	15 _____
*536	16 _____	16 _____	16 _____	16 _____	16 _____	16 _____	16 _____

Name

(Terminals&Sets: Name)

Name (max. 7 char.)	**221** _____	**221** _____	**221** _____	**221** _____	**221** _____	**221** _____	**221** _____

User prefernces

(Terminals&Sets: User preferences)

Mdl						
Button prgrming	Record button programming starting on page 18.					
User speed dial (256-279)	Record user speed dial numbers starting on page 25.					
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...
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
(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
(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
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
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

Photocopy pages before using.

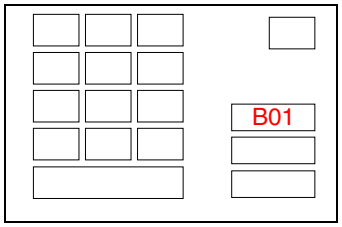
Button prgrming

Enter the button programming information for each telephone in the appropriate table.

7100 Button Programming

Business Series Terminal

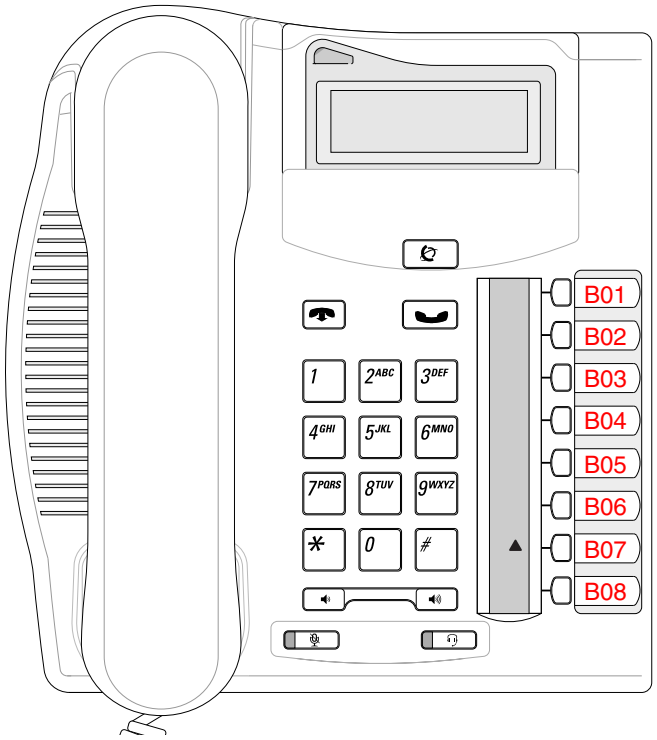
Legacy Norstar set



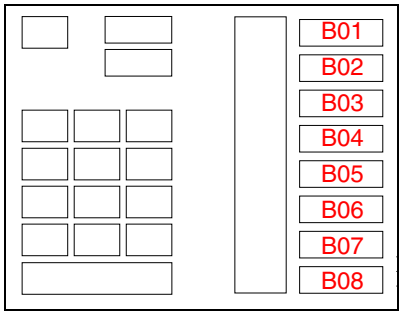
7100	Prgrming	All defaults
B01		Last No.

Model 7208 Button Programming

Business Series Terminal

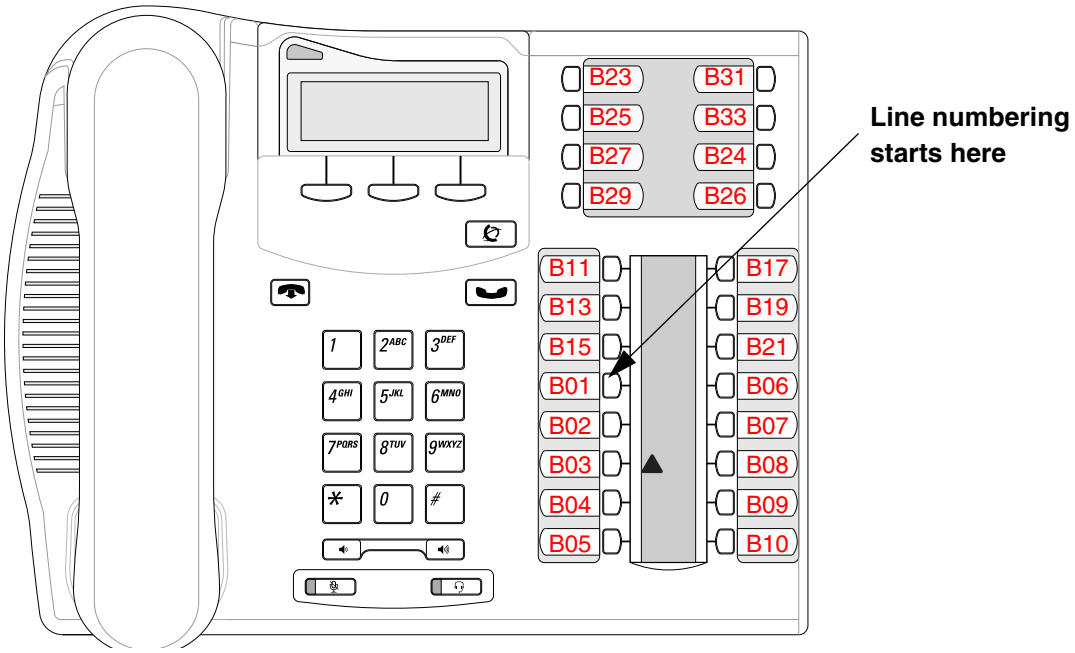


Legacy Norstar set



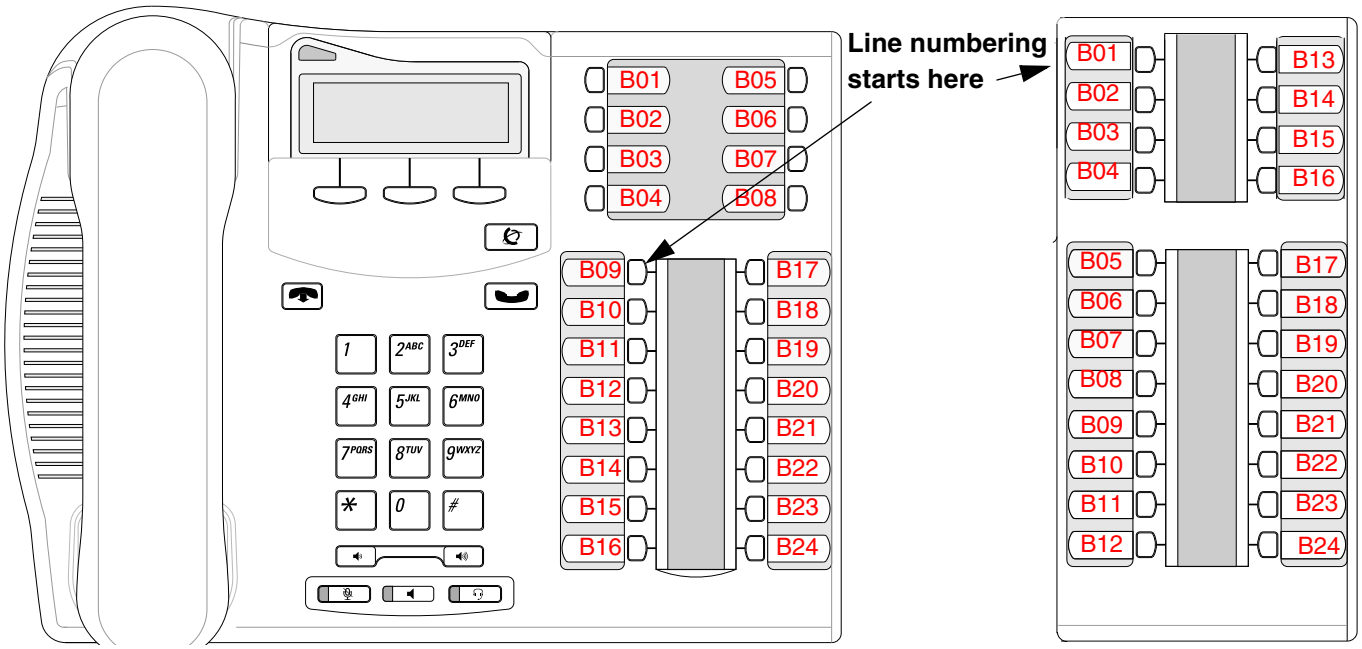
7208	Prgrming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <XX>	Line 1	Pick-Up	Line <XX>
B02		Line 2	Transfer	Line pool	Transfer	Transfer
B03		Last No.			Last No.	
B04		Page	Link	Page	Page	Page
B05		Conf/ Trans			Conf/ Trans	
B06		Speed Dial			Speed Dial	
B07		Intercom			Intercom	
B08		Intercom			Intercom	

Model T7316 Button Programming



T7316	Prgrming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <xx>	Line 1	DND	Line <xx>
B02		Line 2	Transfer	Line Pool	Transfer	Transfer
B03		Call Fwd				
B04		Pickup				
B05		Page	Link	Page	Page	Page
B06		Conf/Trans				
B07		Last No.				
B08		Voice Call				
B09		Intercom				
B10		Intercom				
B11		Internal autodial				
B13		Internal autodial				
B15		Internal autodial				
B17		Internal autodial				
B19		Internal autodial				
B21		Internal autodial				
B23		Internal autodial				
B24		Internal autodial				
B25		Internal autodial				
B26		Internal autodial				
B27		Internal autodial				
B29		Internal autodial				
B31		Internal autodial				
B33		Internal autodial				

Model T7316E and KIM Button Programming



T7316E	Prgrming	Square	Centrex	Hybrid	PBX	DID
B01		Contrast				
B02		Show Time				
B03		Privacy	Blank	Privacy	Blank	
B04		Blank				
B05		SavNum redial	Blank	Sav Num redial	Blank	Sav Num redial
B06		System Park	Blank	System Park	Blank	System Park
B07		Send Message				
B08		Speed dial				
B09		Line <XX>	Blank	Line <XX>	System Park	Line <XX>
B10		Line <XX>	Call Forward	Line <XX>	Sav Num redial	
B11		Call Forward	Pick Up	Call Forward		
B12		Pick up	Page	Pick up		
B13		Page	Transfer	Page		
B14		Transfer	Time/Date	Transfer		
B15		Time/Date	Leave Message	Time/Date		
B16		Recv. message	Flash	Recv. message		
B17		Call Timer				
B18		Ring Again				
B19		DND				
B20		Conference				
B21		Last Number redial				
B22		Voice call				
B23		Intercom				
B24		Intercom				

KIM

Note: MICS systems will support up to five enhanced central answering positions (eCAPs) . This includes T7324+CAP modules and T7316E+eKIMs.

OKIM or eKIM

KIM1	Prgrming	KIM1	Prgrming	KIM1	Prgrming
B01		B09		B17	
B02		B10		B18	
B03		B11		B19	
B04		B12		B20	
B05		B13		B21	
B06		B14		B22	
B07		B15		B23	
B08		B16		B24	

OKIM or EKIM

KIM2	Prgrming	KIM2	Prgrming	KIM2	Prgrming
B01		B09		B17	
B02		B10		B18	
B03		B11		B19	
B04		B12		B20	
B05		B13		B21	
B06		B14		B22	
B07		B15		B23	
B08		B16		B24	

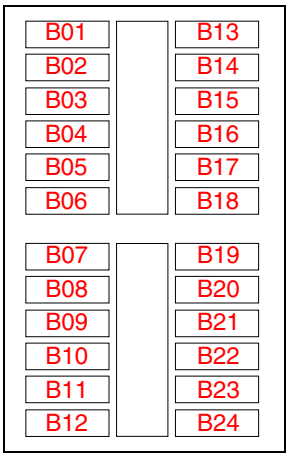
OKIM or EKIM

KIM3	Prgrming	KIM3	Prgrming	KIM3	Prgrming
B01		B09		B17	
B02		B10		B18	
B03		B11		B19	
B04		B12		B20	
B05		B13		B21	
B06		B14		B22	
B07		B15		B23	
B08		B16		B24	

OKIM or EKIM

KIM4	Prgrming	KIM4	Prgrming	KIM4	Prgrming
B01		B09		B17	
B02		B10		B18	
B03		B11		B19	
B04		B12		B20	
B05		B13		B21	
B06		B14		B22	
B07		B15		B23	
B08		B16		B24	

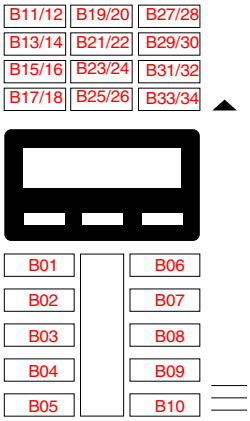
Legacy Norstar 7324 Button Programming and CAP Assignments



7324	Prgrming	Square	Centrex	Hybrid	PBX	DID
B01		Line #				Line #
B02		Line #		Line Pool		Transfer
B03						
B04						
B05						
B06						
B07						
B08						
B09						
B10						
B11						
B12						
B13		Call Fwd				
B14		Speed Dial				
B15		Last No.				
B16		Saved No.	Link	Saved No.		
B17		Conf/Trans				
B18		Transfer				
B19		DND				
B20		Grp Pickup				
B21		Voice Call				
B22		Page Gnrl				
B23		Intercom				
B24		Intercom				

CAP	No defaults	CAP	No defaults
B01		B25	
B02		B26	
B03		B27	
B04		B28	
B05		B29	
B06		B30	
B07		B31	
B08		B32	
B09		B33	
B10		B34	
B11		B35	
B12		B36	
B13		B37	
B14		B38	
B15		B39	
B16		B040	
B17		B041	
B18		B042	
B19		B043	
B20		B044	
B21		B045	
B22		B046	
B23		B047	
B24		B048	

Legacy Norstar M7310 Button Programming



M7310	Prgrming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <xx>	Line 1	DND	Line <xx>
B02		Line 2	Transfer	Line Pool	Transfer	Transfer
B03		Call Fwd				
B04		Pickup				
B05		Page	Link	Page	Page	Page
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)		Set 244				

User speed dial

(Terminals&Sets: User speed dial)

Spd# (256-279)	**Speed dial number** (max. 24 digits)	**Use prime line** Pool code ____ Use line: ____ Use routing tabl

Restrictions

(Terminals&Sets: Restrictions)

Restrn filters

(Terminals&Sets: Restrictions; Restrn filters)

Restrn flt	Restrn		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	**9411**		
	05	**976**		
	06	**1976**		
	07	**1•••976**		
	08	**1900**		
	09	**1•••900**		
	10	**5551212**		
02-99		**No restrictions**		

Restrn flt	Restrn nn		Override	
(01-99)	# (2digits)	**Restriction** (max. 15 digits)	# (3 digits)	**Overrides** (max. 16 digits)

Restrn flt	Restrn nn		Override	
(01-99)	# (2digits)	**Restriction** (max. 15 digits)	# (3 digits)	**Overrides** (max. 16 digits)

Restrn filters - continued

(Terminals&Sets: Restrictions; Restrn filters)

Restrn flt	Restrn nn		Override	
(01-99)	# (2digits)	**Restriction** (max. 15 digits)	# (3 digits)	**Overrides** (max. 16 digits)

Set restrns

(Terminals&Sets; Restrictions; Set restrns)

Sets: (max. 7 digits)													
names (max. 7 char.)													
Filters													
Normal	02	**02**, _____		**02**, _____		**02**, _____		**02**, _____		**02**, _____		**02**, _____	
Night	11	**11**, _____		**11**, _____		**11**, _____		**11**, _____		**11**, _____		**11**, _____	
Evening	12	**12**, _____		**12**, _____		**12**, _____		**12**, _____		**12**, _____		**12**, _____	
Lunch	13	**13**, _____		**13**, _____		**13**, _____		**13**, _____		**13**, _____		**13**, _____	
Sched 4	00	**00**, _____		**00**, _____		**00**, _____		**00**, _____		**00**, _____		**00**, _____	
Sched 5	00	**00**, _____		**00**, _____		**00**, _____		**00**, _____		**00**, _____		**00**, _____	
Sched 6	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	
Allow last no		**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Allow saved no		**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Allow link		**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N	**Y**	N

Line/set restrns

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

Normal	None	_____	_____	_____	_____	_____	_____	_____
Night	None	_____	_____	_____	_____	_____	_____	_____
Evening	None	_____	_____	_____	_____	_____	_____	_____
Lunch	None	_____	_____	_____	_____	_____	_____	_____
Sched 4	None	_____	_____	_____	_____	_____	_____	_____
Sched 5	None	_____	_____	_____	_____	_____	_____	_____
Sched 6	None	_____	_____	_____	_____	_____	_____	_____

Telco features (Terminals&Sets:Telco features)

Feature assignmnt

(Terminals&Sets;Telco features; Feature assignmnt)

Sets: (max. 7 digits)							
names: (max. 7 char.)							
Caller ID set	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Extl VMsg set	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**

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**	Y**N**

Call log set

(Terminals&Sets;Telco features; Call log set)

	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**	Line#: Y **N**

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:

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Lines

Trunk/Line Data

(Lines; Trunk/Line Data)

Trunk type (Profile 1 only)	**Loop** E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	**Loop** E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	**Loop** E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	**Loop** E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed
Trunk type (Profile 2)	**Loop** E&M Ground EURO SL1 BRI-2 BRI-ST	**Loop** E&M Ground EURO SL1 BRI-2 BRI-ST	**Loop** E&M Ground EURO SL1 BRI-2 BRI-ST	**Loop** E&M Ground EURO SL1 BRI-2 BRI-ST
Trunk type (Profile 3)	**Loop** E&M Ground DID BRI-2 BRI-ST	**Loop** E&M Ground DID BRI-2 BRI-ST	**Loop** E&M Ground DID BRI-2 BRI-ST	**Loop** E&M Ground DID BRI-2 BRI-ST
Trunk type (Profile 4 only)	**Loop** E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	**Loop** E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	**Loop** E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	**Loop** E&M Ground DID BRI-ST PRI BRI-U2 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
Aux. ringer	Y **N**	Y **N**	Y **N**	Y **N**
If busy	**PrimeSet** BusyTone	**PrimeSet** BusyTone	**PrimeSet** BusyTone	**PrimeSet** BusyTone
Distinctive ring	**None**, 2, 3, 4	**None**, 2, 3, 4	**None**, 2, 3, 4	**None**, 2, 3, 4

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**
Distinctive ring	**None** 2 34	**None** 2 34	**None** 2 34	**None** 2 34

If T1 and Loopstart

(Digital and Analog)

Line no. (3 digits)				
Telephone number				
Trunk type	**Loop**	**Loop**	**Loop**	**Loop**
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
Trunk mode (Trunk mode is Super if digital loopstart)	**Unspr** Super	**Unspr** Super	**Unspr** Super	**Unspr** Super
Ans mode (Only shown if Trunk mode is Super)	**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
Link at CO (Only shown for analog loopstart)	Y **N**	Y **N**	Y **N**	Y **N**
Aux. ringer	**Y** **N**	**Y** **N**	**Y** **N**	**Y** **N**
Full AutoHold	Y **N**	Y **N**	Y **N**	Y **N**
LossPkg (Only shown for analog loopstart)	ShortCO **MediumCO** LongCO ShortPBX LongPBX	ShortCO **MediumCO** LongCO ShortPBX LongPBX	ShortCO **MediumCO** LongCO ShortPBX LongPBX	ShortCO **MediumCO** LongCO ShortPBX LongPBX
Distinctive ring	**None** 2 34	**None** 2 34	**None** 2 34	**None** 2 34

If T1 and E&M

Line no. (3 digits)				
Telephone number				
Trunk type	**E&M**	**E&M**	**E&M**	**E&M**
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**
Signal	**Winkstart** Immediate DelayDial	**Winkstart** Immediate DelayDial	**Winkstart** Immediate DelayDial	**Winkstart** 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 E&M)	**Normal** High	**Normal** High	**Normal** High	**Normal** High
Distinctive ring	**None** 2 34	**None** 2 34	**None** 2 34	**None** 2 34

If T1 and DID

(Profiles 1, 3 and 4 only)

Line no. (3 digits)				
Telephone number				
Trunk type	**DID**	**DID**	**DID**	**DID**
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
Ans mode (Only if analog DID)	**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
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	**Winkstart** Immediate DelayDial	**Winkstart** Immediate DelayDial	**Winkstart** Immediate DelayDial	**Winkstart** 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)	**Normal** High	**Normal** High	**Normal** High	**Normal** High
Distinctive ring	**None** 2 34	**None** 2 34	**None** 2 34	**None** 2 34

If BRI-2 or BRI-ST (ISDN)

(BRI-2 for Profiles 2 and 3 only)

Line no. (3 digits)								
Telephone number (supplied by the CO)								
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 _____	
PrimeSet	**221**	None	**221**	None	**221**	None	**221**	None
Auto privacy	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Ans mode (Trunk mode is always super)	**Manual**	Auto	**Manual**	Auto	**Manual**	Auto	**Manual**	Auto
Ans with DISA (If Ans mode is Auto)	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Aux. ringer	**Y**	**N**	**Y**	**N**	**Y**	**N**	**Y**	**N**
Full AutoHold	Y	**N**	Y	**N**	Y	**N**	Y	**N**
Distinctive ring	**None**	2 34	**None**	2 34	**None**	2 34	**None**	2 34

If BRI-U2 or BRI-U4 (ISDN)

(Profiles 1 and 4 only)

Line no. (3 digits)								
Telephone number (supplied by the CO)								
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 _____	
PrimeSet	**221**	None	**221**	None	**221**	None	**221**	None
Auto privacy	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Ans mode (Trunk mode is always super)	**Manual**	Auto	**Manual**	Auto	**Manual**	Auto	**Manual**	Auto
Ans with DISA (If Ans mode is Auto)	**Y**	N	**Y**	N	**Y**	N	**Y**	N
Aux. ringer	**Y**	**N**	**Y**	**N**	**Y**	**N**	**Y**	**N**
Full AutoHold	Y	**N**	Y	**N**	Y	**N**	Y	**N**
Distinctive ring	**None**	2 34	**None**	2 34	**None**	2 34	**None**	2 34

If PRI (ISDN)

(Profiles 1 and 4 only)

Line no. (3 digits)				
Telephone number (supplied by the CO)				
Trunk type	PRI	PRI	PRI	PRI
Line type	PRI-A PRI-B PRI-C PRI-D	PRI-A PRI-B PRI-C PRI-D	PRI-A PRI-B PRI-C PRI-D	PRI-A PRI-B PRI-C PRI-D
PrimeSet	**221** None	**221** None	**221** None	**221** None
Distinctive ring	**None** 2 3 4	**None** 2 3 4	**None** 2 3 4	**None** 2 3 4

If PRI ETSI

(Profiles 2 only)

Line no. (3 digits)				
Telephone number (supplied by the CO)				
Trunk type	PRI	PRI	PRI	PRI
Line type	PRI-A PRI-B	PRI-A PRI-B	PRI-A PRI-B	PRI-A PRI-B
Distinctive ring	**None** 2 3 4	**None** 2 3 4	**None** 2 3 4	**None** 2 3 4

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)

Name (max. 7 char.)				
Line no.(3 digits)				
Normal	**03**	**03**	**03**	**03**
Night	**21**	**21**	**21**	**21**
Evening	**22**	**22**	**22**	**22**
Lunch	**23**	**23**	**23**	**23**
Sched 4	**00**	**00**	**00**	**00**
Sched 5	**00**	**00**	**00**	**00**
Sched 6	**00**	**00**	**00**	**00**

Remote restrns

(Lines; Restrictions; Remote restrns)

Name (max. 7 char.)				
Line no.(3 digits)				
Normal	**04**	**04**	**04**	**04**
Night	**31**	**31**	**31**	**31**
Evening	**32**	**32**	**32**	**32**
Lunch	**33**	**33**	**33**	**33**
Sched 4	**00**	**00**	**00**	**00**
Sched 5	**00**	**00**	**00**	**00**
Sched 6	**00**	**00**	**00**	**00**

Telco features

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

VMsg center	**1** 2 3 4 5 N	**1** 2 3 4 5 N	**1** 2 3 4 5 N	**1** 2 3 4 5 N

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Services

Ringing service

(Services; Ringing Service/Ringing groups) (Maximum of 30 sets for each Ringing group)
A=Assigned; U=Unassigned

Ring grp:			Ring grp:			Ring grp:		
221 A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U

Ring grp:			Ring grp:			Ring grp:		
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U

Ring grp:			Ring grp:			Ring grp:		
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U
A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U	A/U

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:	**221**		Ctrl set:	**221**		Ctrl set:	**221**	
Service	**Off** Auto Manual		Service	**Off** Auto Manual		Service	**Off** Auto Manual	
Trunk answer	**Y** N		Trunk answer	**Y** N		Trunk answer	**Y** N	
ExtraDial	**221**		ExtraDial	**221**		ExtraDial	ExtraDial	**221**
Line settings (Line number)	Ring grp	Aux. ringer	Line settings (Line number)	Ring grp	Aux. ringer	Line settings (Line number)	Ring grp	Aux. ringer
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N

Schedule	1 2 3 4 5 6		Schedule	1 2 3 4 5 6		Schedule	1 2 3 4 5 6	
Ctrl set:	**221**		Ctrl set:	**221**		Ctrl set:	**221**	
Service	**Off** Auto Manual		Service	**Off** Auto Manual		Service	**Off** Auto Manual	
Trunk answer	**Y** N		Trunk answer	**Y** N		Trunk answer	**Y** N	
ExtraDial	**221**		ExtraDial	**221**		ExtraDial	ExtraDial	**221**
Line settings (Line number)	Ring grp	Aux. ringer	Line settings (Line number)	Ring grp	Aux. ringer	Line settings (Line number)	Ring grp	Aux. ringer
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N
		Y N			**Y** N			**Y** N

Restrn service

(Services: Restrn service)

Schedule	Schedule 1	Schedule 2	Schedule 3	Schedule 4	Schedule 5	Schedule 6
Restr'n service	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual

Routing service

(Services; Routing service)

Route # (001-999)	DialOut no number or enter number	Use pool (Pools PRI-A, PRI-B, are used with all profiles; PRI-C and PRI-D are only used by Profiles 1 and 4)
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D
		A B C D E F G H I J K L M N O PRI-A PRI-B PRI-C PRI-D

If PRI-A, PRI-B, PRI-C, or PRI-D

(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**	I800	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

Second dial tone

(Services; Second Dial tone

Table #	Dial string	Destination
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		

Using line pools to create a dialing plan

(Using routing services)

Systems in network	Start DN	End DN	Networks to systems:	Connected by line pool:	Line pool access code (if required)

Dest codes

(Services; Routing service; Dest codes)

Service Schedule	Normal Rte		1 2 3 4 5 6		1 2 3 4 5 6		1 2 3 4 5 6	
DstCode (max. 12 digits)	Use route (001-999)	Digit Absorb length	First route (001-999)	Digit Absorb length	Second route (001-999)	Digit Absorb length	Third route (001-999)	Digit Absorb length
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1		All 0 1

Dest codes
(continued)

Service Schedule	1 2 3 4 5 6		1 2 3 4 5 6		1 2 3 4 5 6	
DstCode (max. 7 digits)	First route (001-999)	Digit Absorb length	Second route (001-999)	Digit Absorb length	Third route (001-999)	Digit Absorb length
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1
		All 0 1		All 0 1		All 0 1

Activating routing schedules

(Services: Routing Service)

Schedule	Schedule 1	Schedule 2	Schedule 3	Schedule 4	Schedule 5	Schedule 6
Mode	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual	**Off** Auto Manual
Overflow	N Y	N Y	N Y	N Y	N Y	N Y

Common settings

(Services; Common settings)

Control sets

(Services; Common settings; Control sets)

For line	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
For sets (for more than 24 sets, enter a range of sets or photocopy this table)	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:

Schedule names

(Services; Common settings; Schedule names)

Schedule	**Night** _____		**Evening** _____		**Lunch** _____		**Sched 4** _____		**Sched 5** _____		**Sched 6** _____	
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

Photocopy pages before using.

Sys speed dial

Speed dial #: (001-255)	Number to dial (max. 24 digits)	PL = **Use prime line** PC = Line Pool code: RT = Use routing tabl: L = Use Line: ___	Display digits	Name (max. 16 char.) Default is speed dial code	By-pass restr'n
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**
		PL PC RT L	Y **N**		Y **N**

Photocopy pages before using.

Passwords

COS pswds

(Passwords; COS pswds)

Pswd # (00-99)	Assigned to (owner of password)	Password (6 digits)	User filter (2 digits)	Line filter (2 digits)	Remote pkg (00-15)

Call log paswds

(Passwords; Call log pswds)

Set:	Log pswd	Set:	Log pswd	Set:	Log pswd

Progrming pswds

(Passwords; Progrming pswds)

Installer	**266344**	CONFIG
Sys Coord+	**727587**	SCPLUS
Sys Coord	**23646**	ADMIN
Basic	**22742**	BASIC

Hospitality

(Passwords; Hospitality)

Desk pswd	**4677**	HOSP
Cond pswd	**None**	

SM Passwd

(Passwords; System Monitor)

SM pswd	**745368**	SILENT

Time&Date

Hour:	Minutes:	Year:	Month:	Day:
01	**00**	**02**	**01**	**01**

System prgrming

Hunt groups

(System prgrming: Hunt groups)

Group	**Name: (7 characters)**		**Number:**		
Members	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only
	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only
	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only
	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only
	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only	DN _____ Appr only **Appr&Ring** Ring only
Assigned lines					
Mode	**Broadcast** Sequential Rotary				
Hunt delay	1 2 3 **4** 5 6 7 8 9v10				
If busy	**BusyTone** Overflow Queue				
Q timeout	15 30 45 **60** 120 180				
Overflow DN					
Distinctive ring	**None** 2 3 4				

Change DNs

(System prgrming: Change DNs)
(Record Change DNs on page 13.)

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
Park 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
SWCA Cntrl	
Auto Associate	**Manual on park** Manual LOC Automatic LOC
Auto Assc I/C	Y **N**
Invoke by Hold	Y **N**
SWCA Hold I/C	Y **N**
Call log	**Sets** Lines
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**
Ans. key	**Basic** Enhanced Extended
Silent Monitor	**N** Y
Clid match	3 4 5 6 7 **8** None

Direct-dial

(System prgrming; Direct-dial)

	D-Dial1	D-Dial2	D-Dial3	D-Dial4	D-Dial5
Direct-dial	**Intrnl** Extrnl **None**	**Intrnl** Extrnl **None**	**Intrnl** Extrnl **None**	**Intrnl** Extrnl **None**	**Intrnl** Extrnl **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 table	**Use Prime line** Use line Pool code Use routing table	**Use Prime line** Use line Pool code Use routing table	**Use Prime line** Use line Pool code Use routing table	**Use Prime line** Use line Pool code Use routing table

CAP/KIM assgn

(System prgrming; CAP/KIM assgn) Allows lines to be assigned to the modules on the CAP.

CAP1/KIM1	**None** _____
CAP2/KIM2	**None** _____
CAP3/KIM3	**None** _____
CAP4/KIM4	**None** _____
CAP5/KIM5	**None** _____

Dialing plan

(System prgrming; Dialing plan)

Private network	Type	Private Network ID	Location code	Private DN length	
	None	N/A	N/A	3	
	UDP	1	None	3	
	CDP	1		3	
Public network	Pub DN length	Show Prefix: Prefix	DN length		
		Default	7		
Dial time out	4				

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 #	
PrivAccCodes	0 1 2 3 4 5 6 7 8 9 **None**	
Carrier Codes		
	Prefix:10 ID length: 3	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	

Remote access

(System prgrming; Remote access)

Remote access Pkg #	Line pool access (Note that Line Pool access PRI-C and PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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 PRI-C PRI-D 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: _ _

Rec'd # length

(System prgrming; Rec'd # length)

Rec'd # length	**2**	3	4	5	6	7

DN length

(System prgrming; DN length)

DN length	**2**	3	4	5	6	7

National length

(Profile 2 and 3 only: System prgrming; Nat'nl length)

Nat'nl length	0	1	2	3	4	5	6	7	8	9	**10**

Make / Break

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

Mk / Br	**40 / 60**	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: _____
PRI-C	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____
PRI-D	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____

Release reasons

(System prgrming; Release reasons)

Release reasons	_____

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Hospitality

(System prgrming; Hospitality)

Room/desk info								
Sets: (max. 7 digits)								
Room #:								
Adm pwd req'd	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N

Call Restrns	
Vacant:	**Use flt:** __
Basic:	**Use flt:** __
Mid:	**Use flt:** __
Full:	**Use flt:** __
Service time	Hour:
	Minutes:

Alarm	
Attn attempts:	**1** 2 **3** 4 5
Retry intervl: (in minutes)	2 **4** 6 8
Attn duration: (in seconds)	**10** **15** 20 30 40 50
Time format	**12hr** 24hr

Expired Alarms	
Notify set	**Y** N
Use Tone	**Y** N

SM sets

(Telco features; SM sets)

SM sets	1 2 3 4 **5** 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Network Services

ETSI (Profile 2, only) (software key required)

(Network Services/ETSI)

Netwrk Redirect	Y	**N**
MCID	Y	**N**

MCDN (Profile 1, 2, and 3, only) (software key required)

(Network Services/MCDN)

NetwkICCL	Y	**N**
TRO	Y	**N**
TAT	Y	**N**

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**
line routing tbl	line routing tbl	line routing tbl	line routing tbl	line routing tbl
tele#_____	tele#_____	tele#_____	tele#_____	tele#_____

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 ISDN, PRI and MCDN SL-1 lines)

SysID

SysID: <8 digits>:	_____

Password keys

(Software keys; Password keys)

Password Keys (8 digits)	Key 1 _____	Key 2 _____	Key 3 _____

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

Password keys for Advanced Private Network and Private Network Tandeming (MCDN)

(Profiles 1, 2 and 4 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
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 (does not show unless MCDN is active)
PrivNetID range: 1-127	**30**				
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		
I800 (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)	**Secondary**		Primary	User	
CO fail	**TIA547A**		TR62411		
I/F levels	**ISDN**		PSTN	ISD/TT	
Framing	**ESF**		SF		
Internal CSU	**On**		Off		
CSU line bld	**0**	7.5	15		
Line coding	**B8ZS**	AMI			
ClockSrc	**Primary**	Secndry	TimMstr		
Send Name Display	**Y**	N			

If card is an ETSI PRI card

(Profile 2 only)

Card type	PRI
Lines	
Protocol	**EURO** SL1 (does not show unless MCDN is active)
PrivNetID range: 1-127	**1** (does not show unless MCDN is active)
BchanSeq (Default is Descend unless SL-1 Master)	**Ascend** Descend (does not show unless MCDN is active)
Type (Procol is SL-1)	**Slave** Primary User (does not show unless MCDN is active)
ClockSrc	**Primary** Secndry TimMstr
Max Transits	**31** (does not show unless MCDN is active)
Ovlp recving	**N** 2

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)	**T**	S	LT	NT
Protocol (Not shown if only one protocol available)				
Sampling (Shown for S loop type only)	**Adaptve**		Fixed	

For S & LT only

(for Profiles 1 and 4 only)

Assign DNs 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 DNs 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** T

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**	N				
Public digit length	**1**	2	3	4	5	6 789101112131415

Modules

(for Profile 1 only)

Mod 03	**StnMod**	ASM	DataMod	TrunkMod
Mod 04	**StnMod**	ASM	DataMod	TrunkMod
Mod 05	**StnMod**	ASM	DataMod	TrunkMod
Mod 06	**StnMod**	ASM	DataMod	TrunkMod
Mod 07	**StnMod**	ASM	DataMod	TrunkMod
Mod 08	**StnMod**	ASM	DataMod	TrunkMod

MICS-XC (additional modules)

Mod 09	**StnMod**	**ASM**	**DataMod**
Mod 10	**StnMod**	**ASM**	**DataMod**
Mod 11	**StnMod**	**ASM**	**DataMod**
Mod 12	**StnMod**	**ASM**	**DataMod**
Mod 13	**StnMod**	**ASM**	**DataMod**
Mod 14	**StnMod**	**ASM**	**DataMod**

Modules

(for Profiles 2, 3 and 4 only)

Mod 03	**StnMod**	ASM	TrunkMod
Mod 04	**StnMod**	ASM	TrunkMod
Mod 05	**StnMod**	ASM	TrunkMod
Mod 06	**StnMod**	ASM	TrunkMod
Mod 07	**StnMod**	ASM	TrunkMod
Mod 08	**StnMod**	ASM	TrunkMod

MICS-XC (additional modules)

Mod 09	**StnMod**	**ASM**
Mod 10	**StnMod**	**ASM**
Mod 11	**StnMod**	**ASM**
Mod 12	**StnMod**	**ASM**
Mod 13	**StnMod**	**ASM**
Mod 14	**StnMod**	**ASM**

TrunkMod

(Profiles 1 and 4 only) (BRI cards and off-core DTI cartridges are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)
(MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod3	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod3	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod4	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod4	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod4	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod5	**Loop**	E&M	DID				
Cd2-Mod5	**Loop**	E&M	DID				
Cd3-Mod5	**Loop**	E&M	DID				
Cd1-Mod6	**Loop**	E&M	DID				
Cd2-Mod6	**Loop**	E&M	DID				
Cd3-Mod6	**Loop**	E&M	DID				
Cd1-Mod7	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod7	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod7	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod8	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod8	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod8	**Loop**	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI

TrunkMod

(Profile 2) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)
(MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	**Loop**	E&M	BRI-2	BRI-ST
Cd2-Mod3	**Loop**	E&M	BRI-2	BRI-ST
Cd3-Mod3	**Loop**	E&M	BRI-2	BRI-ST
Cd1-Mod4	**Loop**	E&M	BRI-2	BRI-ST
Cd2-Mod4	**Loop**	E&M	BRI-2	BRI-ST
Cd3-Mod4	**Loop**	E&M	BRI-2	BRI-ST
Cd1-Mod5	**Loop**	E&M		
Cd2-Mod5	**Loop**	E&M		
Cd3-Mod5	**Loop**	E&M		
Cd1-Mod6	**Loop**	E&M		
Cd2-Mod6	**Loop**	E&M		
Cd3-Mod6	**Loop**	E&M		
Cd1-Mod7	**Loop**	E&M	BRI-2	BRI-ST
Cd2-Mod7	**Loop**	E&M	BRI-2	BRI-ST
Cd3-Mod7	**Loop**	E&M	BRI-2	BRI-ST
Cd1-Mod8	**Loop**	E&M	BRI-2	BRI-ST
Cd2-Mod8	**Loop**	E&M	BRI-2	BRI-ST
Cd3-Mod8	**Loop**	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.)
(MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd2-Mod3	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd3-Mod3	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd1-Mod4	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd2-Mod4	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd3-Mod4	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd1-Mod5	**Loop**	E&M			
Cd2-Mod5	**Loop**	E&M			
Cd3-Mod5	**Loop**	E&M			
Cd1-Mod6	**Loop**	E&M			
Cd2-Mod6	**Loop**	E&M			
Cd3-Mod6	**Loop**	E&M			
Cd1-Mod7	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd2-Mod7	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd3-Mod7	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd1-Mod8	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd2-Mod8	**Loop**	E&M	DID	BRI-2	BRI-ST
Cd3-Mod8	**Loop**	E&M	DID	BRI-2	BRI-ST

StnMod

For Station Module programming, see the *Modular ICS 6.1 Installer Guide*.

Maintenance

System version

(Maintenance; System version)

System Version	Port/DN Status
SP:	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
	Device:
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	Device:
	Device:
	Device:

Sys test log

(Maintenance; Sys test log)

Sys Test Log		
Log item	Time of log item	**Number of repetitions**

Sys Admin Log

(Maintenance; Sys Admin Log)

Sys Admin Log		
Log item	Time of log item	**Number of repetitions**
Time and date that log was checked		

Network evt log

(Maintenance; Network evt log)

Network Log		
Log item	**Time of log item**	**Number of repetitions**
Time and date that log was checked		

Template specific defaults

For the Norstar MICS 7.0 system, the Square template is the default template. The Centrex, Hybrid, PBX and DID template are also available as an option at startup.

For the Norstar MICS-XC 7.0 system, the PBX template is the default template. The DID template is also available as an option at startup.

The following charts show the sections of the Programming Record where the Centrex, Hybrid, PBX and DID default values differ from the Square template default values.

Terminals&Sets defaults

Line Access

Setting	Square	Centrex	Hybrid	PBX	DID
Line assignment	Set 221 Lines 001 to 002: Appear & Ring other sets Lines 001 to 002: Appear & Ring	Set 221 Line <nnn> † Appear & Ring	Set 221 Line 001: Appear & Ring other sets Line 001: Appear only	Set 221 All lines: Unassigned other sets All lines: Unassigned	Set 221 All external lines: Unassigned other sets All lines: Unassigned
	Target lines 157-284: Unassigned				Target lines 157-284: Ring only
Line pool access	Pool A to O: N		Pool A: Y Pool B to O: N		
Prime line	None	Line <nnn> †	I/C		

† <nnn> is a three-digit line number. The Centrex template sequentially assigns lines to DNs. It assigns Line 001 to DN 221, Line 002 to DN 222, and so on, until all lines are assigned to DNs. The lines automatically become prime lines for the DNs.

Restrictions

Setting	Square	Centrex	Hybrid	PBX	DID
Restrn flt 01					
Restr'n 01	0	90	0		
Restr'n 02	1	91	1		
Override 001	1800	91800	1800		
Override 002	1877	91877	1877		
Override 003	1888	91888	1888		
Restr'n 03	911	9911	911		
Override 001	911	9911	911		
Restr'n 04	411	9411	411		
Restr'n 05	976	9976	976		
Restr'n 06	1976	91976	1976		
Restr'n 07	1•••976	91•••976	1•••976		
Restr'n 08	1900	91900	1900		
Restr'n 09	1•••900	91•••900	1•••900		
Restr'n 10	5551212	95551212	5551212		

Lines defaults

Trunk/Line data (Target lines)

Setting	Square	Centrex	Hybrid	PBX	DID
Rec'd #:	None				DN of the set it appears on

Trunk/Line data (Digital and Analog loopstart)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

Trunk/Line data (Digital and Analog Groundstart)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

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

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

Trunk/Line data (Digital and Analog DID)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

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

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

Restrictions

Setting	Square	Centrex	Hybrid	PBX	DID
Restrn flt 00	No restrictions (cannot be changed)				
Restrn flt 01					
Restr'n 01	0	90	0		
Restr'n 02	1	91	1		
Override 001	1800	91800	1800		
Override 002	1877	91877	1877		
Override 003	1888	91888	1888		
Restr'n 03	911	9911	911		
Override 001	911	9911	911		
Restr'n 04	411	9411	411		
Restr'n 05	976	9976	976		
Restr'n 06	1976	91976	1976		
Restr'n 07	1•••976	91•••976	1•••976		
Restr'n 08	1900	91900	1900		
Restr'n 09	1•••900	91•••900	1•••900		
Restr'n 10	5551212	95551212	5551212		

Services defaults

Access codes

Setting	Square	Centrex	Hybrid	PBX	DID
Line pool codes	None		Pool A: 9 Pool B to O: None		
Park prefix	1				
Extrnl code	9		None		

Legacy equipment programming (Companion handsets)

Companion programming charts

The next four pages contain charts specific to programming the Companion information. All other programming for MICS-XC systems are the same as for the other MICS systems, and follows this section.

System LID (Companion sets for MICS-XC systems)

(System prgrming; Companion; System LID)

	_____

Software keys (SysID)

SysID: <8 digits>:	_____

Companion ID

Companion ID	_____

Password keys for Companion (MICS-XC systems)

Date	Key 1	Key 2	Key 3	Notes

Reg. pswd (XC Companion)

(Passwords; Reg. pswd)

Reg. password	**72346**	**RADIO**

Change DN type (Companion sets for MICS-XC systems)

(System prgrming; Change DN type)

DN	Type		DN	Type		DN	Type	
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
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	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable
	ISDN	Portable		ISDN	Portable		ISDN	Portable

Registration

(Companion; Registration) Unavail appears only on USA-MICS-XC 4.1).

WTN	Registrd status	WTN	Registrd status	WTN	Registrd status
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending
	Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending		Registrd **Availble** Unavail Pending

Radios and Cells (Companion CT2+ sets for MICS-XC systems)

(System prgrming; Companion; Radios and System prgrming; 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	
0__01								
0__02								
0__03								
0__04								
0__05								
0__06		Base Station						**Internal** External
0__07		Base Station						**Internal** External
0__08		Base Station						**Internal** External
0__09		Base Station						**Internal** External
0__10		Base Station						**Internal** External
0__11		Base Station						**Internal** External
0__12		Base Station						**Internal** External
0__13		Base Station						**Internal** External
0__14		Base Station						**Internal** External
0__15		Base Station						**Internal** External
0__16		Base Station						**Internal** External
0__17		Base Station						**Internal** External
0__18		Base Station						**Internal** External
0__19		Base Station						**Internal** External
0__20		Base Station						**Internal** External
0__21		Base Station						**Internal** External
0__22		Base Station						**Internal** External
0__23		Base Station						**Internal** External
0__24		Base Station						**Internal** External
0__25		Base Station						**Internal** External
0__26		Base Station						**Internal** External
0__27		Base Station						**Internal** External
0__28		Base Station						**Internal** External
0__29		Base Station						**Internal** External
0__30		Base Station						**Internal** External
0__31		Base Station						**Internal** External
0__32		Base Station						**Internal** External

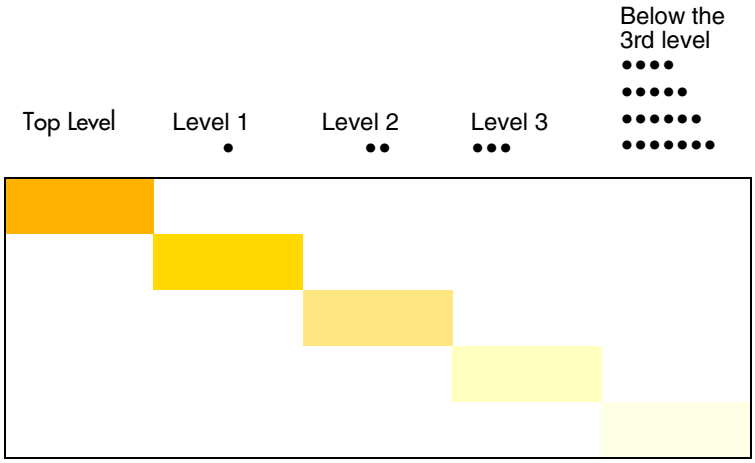
*. Write E if using an external antenna.

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

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

Glossary of programming headings and settings

This section presents the programming hierarchy in the Norstar Modular ICS/Modular ICS-XC interface. The dots each represent a level below **the top level**



Menu item	Description
Profile **(use only at system startup)**	Change on non-North American systems, only! Use this command to choose a profile that reflects the trunk card profile for the specific country. Use Profile password. WARNING: Never use this command after Startup has been run.
Dialpad **(use only at system startup)**	Use this command to select the dialpad layout you require. This is a system-wide setting. Use Dialpad access.
Startup **(use only for initial configuration at system startup)**	Use this command to select the default information specific to your system. Use Startup access. This command is only available immediately after startup of the KSU.
• Template	Select the template to assign the default values for the system.
• Start DN	Enter between three and seven digits to indicate the first DN of the range you plan to use. The length of this entry also defines the default DN length and the default Received number length. Note: If the first digit of a DN is the same as any of the follow codes, the system sets these codes to None: • Direct-dial digit • Call Park prefix • first digit of a line pool access code

Use the following commands to change defaults and configure the lines and sets to suit your system requirements. Use Installer or Administrator access codes.	
Terminals & Sets	These commands allow you to assign settings to each telephone (DN).
• Show set:_	Enter the DN of the telephone you want to program.
• XXXX:XXXX	DN number and current name displays to confirm your request.
•• Line access	These commands allow you to assign lines to each DN. You can copy the settings from one DN to another.
••• Line assignment	Use these settings to determine which lines are assigned to the telephone. You can also define how incoming calls on those lines will be handled.
•••• Show line:_____	Enter the numbers of the lines to be assigned to the telephone.
••••• LXXX:Unassigned	Assign the line by pressing the CHANGE display key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the SCAN display key to determine which lines have been assigned.
••• LinePool access	Use this menu to define which line pools a telephone, DISA DN or AutoDN will access. All lines except ISDN PRI lines use lines A to 0. PRI lines use PRI-A, Pri-B, etc.
•••• Line Pool A:N	Scroll through the line pool listing and select the pools to assign to the telephone.
••• Prime line: I/C	This setting determines the first line selected when the user makes an outgoing call. If you select a line or line pool as prime line, the line or line pool must be assigned to the telephone.
••• Intercom keys	Select the number of intercom buttons on a telephone for accessing internal lines and line pools.
••• Answer DNs	Enter the DN of another telephone. This set performs the indicated function when the other set receives a call. 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.
•••• XXXX:Unassigned	Assign the answer DN by pressing the CHANGE display key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the SCAN display key to determine which DNs have been assigned.
••• OLI#	Enter the 10-digit outgoing line identification number.
•••• OLI # as calld	For some ISDN devices (for example, video conference sets) this allows the OLI digits to replace the internal DN digits on the ISDN device call setup. (Profile 1 and 4 only.)
•• Capabilities	These commands allow you to select the call features for a 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 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 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 button. It is always turned off for a T7100 telephone.
••• Pickup grp	Any user in a pickup group can answer calls to any other telephone in their group using the Call Pickup-group feature (7 5). Choose one of nine pickup groups, or choose None to disable the feature for this telephone.
••• Page zone	Assign a page zone to allow this set to receive pages, or choose None to prevent pages at this telephone.
••• Paging	Select whether paging can be performed 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	If a call is critical for the called party to receive, you can program this telephone to interrupt calls or to override Do Not Disturb at another Norstar telephone when you enter 6 9 . A priority call can be refused at the set you call if the called party enters Do Not Disturb (8 5). However, a priority call cannot be blocked by at a telephone that is already in Do Not Disturb mode.
••• Hotline	Select whether a telephone number will be dialed automatically when a user lifts the receiver or presses the button on the memory keys that is designated as the handsfree/mute button.
•••• Intrnl#:None	Choose Intrnl to enter an internal Norstar telephone as the hotline.
••••• Intrnl#:_____	Enter the internal DN you want to use as the hotline.
•••• Extrnl#:None	Choose Extrnl to enter an external telephone as the hotline.
••••• Extrnl#:_____	Enter the external DN you want to use as the hotline.
••• Aux. ringer	Select whether an external auxiliary ringer will ring for incoming calls at this telephone. **Note:** The customer-supplied ringer hardware must be installed before the feature will work.
••• Allow redirect	Select whether to allow this telephone to redirect lines.
••• Redirect ring	Select whether a telephone rings briefly when a call is redirected by the Line Redirection feature (8 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 subheading.
•••• ATA ans timer	This setting determines the timing between when an ATA-connected device dials out and when the device becomes ready to receive DTMF tone from the far end analog device.
•••• ATA use	Choose the setting that indicates where the ATA is situated (On Site/Off Site)

•••• **MsgIndicate**	Select the type of message indicator the ATA-connected device provides. (None, Tone, Lamp).
•••• **ATA dvc**	Set to enhance connectivity for telephones connecting to PRI and BRI lines through an ATA module. Choose **Telephon** for telephones, and **Modem** for other devices, such as fax machines.
••• **SM Supervisor**	Select whether the telephone can be used to perform silent monitoring on Hunt groups.
••• **SWCA call group** •••• **Call 1: --- Call 16:**	Assigns SWCA positions to telephones that do not have SWCA positions programmed onto memory keys, such as the WMC portable handsets, which have no memory keys. Assigning these positions allows the user to access calls parked on SWCA positions by entering the specific SWCA code (* 5 2 1 to * 5 3 6, respectively).
••• **Intrusion**	Determine what priority an attendant telephone will have to allow a break-in by an M1 attendant telephone. To stop break-in, this setting must be higher than the attendant level.
•••• **Protect Lvl**	None, Low, Med, High
•• **Name**	Enter a one-to-seven-digit name for the telephone.
•• **User prefernces**	These commands allow you to program the user admin features, such as external autodialers, language choice, and display contrast, to personalize the operation of the set.
••• **Model**	Allows you to pre-program a DN to a specific model of Norstar set.
••• **Button prgrming**	Allows you to program the buttons with internal and external autodialers and/or programmed feature buttons.
•••• **10+24 buttons**	Allows you to choose specific buttons to program, and the number of programmable buttons for the set type.
•••• **BXX:Blank button**	This is the display you see if the button is not assigned. Use the Next button to move through the list of buttons available to the set model.
•••• **BXX:<feature/line/DN>**	This is the display you see that indicates what is assigned to the button. Display keys: Clr/Tel#/Featr
••••• **Tel # dest'n?**	This is the display you receive if you press the TEL# display key at the button prompt.
•••••• **Intrnl#:_____**	Enter an internal number to attach to this line.
•••••• **Extrnl#:____**	Enter an external number to attach to this line.
••••• **Feature code:**	This is the display you receive if you press the FEATR display key at the button prompt. Use the Next button to scroll through the available codes. Press OK to assign the feature to the button.
•••••• **Speed Dial: F0**	Use TEL# display key to enter number to be dialed when you press this button.
•••••• **Send Msg:F1**	Send message to another mailbox.
•••••• **#Send Msg:F#1**	Send message to another telephone display.
•••••• **Ring Again:F2**	Monitor busy or unanswered telephone or busy line within the system. This feature signals you to call back when the telephone or line pool becomes available.
•••••• **Conf/Trans:F3**	Use to establish a three-way call.

•••••• **Call Fwd:F4**	Send all calls to another telephone within the system.
•••••• **Last no.:F5**	Last number redial automatically dials the last external telephone number that was dialed from this set.
•••••• **Page Genrl:F60**	See Voice Call
•••••• **Pg Zone All:F610** •••••• **Page Zone 1:F611** •••••• **Page Zone 2:F612** •••••• **Page Zone 3:F613** •••••• **Page Zone 4:F614** •••••• **Page Zone 5:F615** •••••• **Page Zone 6:F616**	Page internally by zone. Zone 0 pages all zones.
•••••• **Page Spkr:F62**	Page through an external loudspeaker system.
•••••• **Pg All, Spkr:F630** •••••• **Page Spkr+1:F631** •••••• **Page Spkr+2:F632** •••••• **Page Spkr+3:F633** •••••• **Page Spkr+4:F634** •••••• **Page Spkr+5:F635** •••••• **Page Spkr+6:F636**	Page through both sets and external loudspeaker system by zone. Zone 0 pages all zones.
•••••• **Line Pool:F64**	Gives you access to line pools. Press this feature, then enter a line pool access code.
•••••• **Reply Msg:F65**	Use to view and reply to messages.
•••••• **#Msg. Wait:F#65**	Use to view number of message waiting.
•••••• **Voice Call:F66**	Initiate a call/announcement through the speakers of another set without first ringing the set.
•••••• **Saved No.:F67**	Use during a call to save a number for later redialing.
•••••• **Rst O'ride:F68**	Use to override restrictions to allow entry of a COS password. Effective for current call, only.
•••••• **Priority:F69**	Use to interrupt a call on another set.
•••••• **Transfer:F70**	Use to transfer a call to another internal or external set.
•••••• **Link:F71**	Use to generate a link signal to access a PBX or other host exchange.
•••••• **Call Park:F74**	Use to put a call on hold that can be picked up at any other set. The display shows a three-digit retrieval code.
•••••• **Grp Pickup:F75**	Use to answer a call that is ringing at another set. External calls are answered in sequence.
•••••• **Dir Pickup:F76**	Use to answer a call to your set from another set.
•••••• **Call Timer:F77**	Use to display the duration of current or most recent call.
•••••• **Pause:F78**	Use to program a pause (1.5 second) delay into an external autodial sequence.
•••••• **Excl. Hold:F79**	Use to put a group call on hold. The call shows busy on all other sets in the group.

•••••• **Trunk Answr:F800**	Use to answer an external call that is ringing on a line that has been placed into a Ringing Service schedule. This feature does not work for a private line.
•••••• **Call Queue:F801**	Use to answer the next call.
•••••• **Grp. Listen:F802**	Use to receive to both the speakers and the handset on a set.
•••••• **Show time:F803**	Use to display the time and date while on a call.
•••••• **Wait:Dial:F804**	Use to program an external autodial number to cause the system to wait to receive dial tone from another system before proceeding with the dialing sequence.
•••••• **Ringing Call:F807**	
•••••• **Long Tones: F808**	Use to generate a tone for the period you hold down a button to communicate with devices such as faxes and answering machines.
•••••• **Call Info:F811**	Use to display the name, number, or line name of a ringing or held call.
•••••• **Call Log:F812**	Display the call information for a set.
•••••• **Logit:F813**	Store caller information for your current call in the Call Log of the set.
•••••• **Offer rej:F814**	
•••••• **Log O'flow:F815**	Also referred to as Autobumping. Use to delete the oldest log item from the Call Log of the set.
•••••• **ONN block:F819**	Use to block your name/number from being transmitted as part of the call information package.
•••••• **Camp-on:F82**	Use to reroute a call to another set that already has busy lines.
•••••• **Privacy:F83**	Use to enable or disable privacy setting, which allows or blocks another telephone from choosing the line you are using.
•••••• **Line Redire:F84**	Use to redirect external calls to a telephone external to your system. Note: Not all lines or telephones support this feature.
•••••• **DND:F85**	Use either to: • block ringing of all incoming calls, except priority calls • block an incoming priority call if you are currently on a call
•••••• **Music:F86**	Use to listen to music from the external music source through your telephone speaker if you are not on a call. **Note:** Customer-supplied hardware must be installed for this feature to work.
•••••• **Srvc Stat:F870**	Display the services that have been turned on at a designated control set.
•••••• **Ring Srvc:F871**	Turn on one of six schedules for alternative ringing/call answer arrangements from a designated control telephone.
•••••• **Rstrn Srvc:F872**	Turn on one of six services for restrictions on particular lines or telephones from a designated control telephone. You need the System Coordinator password.
•••••• **Route Srvc:F873**	Turn on one of six services for routing on particular lines on telephones from a designated control telephone. You require the System Coordinator password.
•••••• **Alarm:F875**	Use this from a room set to program a wake-up alarm.
•••••• **Rm cndition:F876**	Use this command from a room set to update the room condition setting.
•••••• **Alarm admin:F877**	Use from a Hospitality administrative set to set a wake-up alarm for a specific room.

•••••• **Rm cond adm:F878**	Use from a Hospitality administrative set to see the room condition of a specific room.
•••••• **Rm occ adm:F879**	Use from a Hospitality administrative set to see the room occupancy of a specific room.
•••••• **Voice Deny:F88**	Use to prevent the set from receiving voice calls.
•••••• **MCID:F897**	ESTI lines only: If service is active from the service provider, this feature saves current caller information at the service provider system.
•••••• **Language:F*501**	Select the display language. (501 = first language; 502 = second language; 503 = third language
•••••• **Sil Mon:F*550**	Allows users at a supervisor terminal to monitor external Hunt group calls.
•••••• **Contrast:F*7**	Use to adjust contrast of display
•••••• **Static time:F806**	Change the first line of the display to the current time and date.
•••••• **Call:F*521 .... F*536**	These 16 System-wide Call Appearance (SWCA) feature codes can be programmed onto memory buttons with indicators to provide call parking within a group of telephones that share the same SWCA button assignment.
•••••• **SWCA free:F*520**	Searches for next available free SWCA position assigned to the telephone.
•••••• **Oldest:F*537**	Retrieves the call that has been parked the longest on a SWCA position assigned to the telephone.
•••••• **Newest:F*538**	Retrieves the call that has most recently been parked on a SWCA position assigned to the telephone.
••• **User speed dial**	Use these commands to program user speed dialers. (codes: 256 to 279)
••• **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. Note: Language choices depend on system setup.
••• **Display cntrst**	Select a display contrast level.
••• **Ring type**	Select a ring type.
•• **Restrictions**	Use these commands to create and assign restriction filters. These filters are used to prevent a user from making certain kinds of calls from a telephone during normal or scheduled operation periods.
••• **Restrn filters**	
••• **Set restrns**	Select restrictions for specific set or all sets.
•••• **Filters**	Choose the filter you want to program.
••••• **Normal** ••••• **Night** ••••• **Evening** ••••• **Lunch** ••••• **Sched 4** ••••• **Sched 5** ••••• **Sched 6**	For each line, enter the number (two-digits) 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 (↻ 5).
•••• **Allow saved no**	Select whether a telephone can use Saved Number Redial (↻ 6 7).
•••• **Allow link**	Select whether a telephone can use Link (↻ 7 1) to access the features of a private branch exchange.
••• **Line/set rstrns**	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**	These commands allow you to program how the Norstar system works with features and services that are based in the public network or other outside source, namely Call Display or an external voice message service.
••• **Feature assign**	Use these commands to assign features, such Call Display, to identify external in-coming calls.
•••• **Show line:_____**	Enter the number of the line for which the telephone will show Call Display information.
••••• **Caller ID set**	Select whether the telephone will display incoming CLID.
••••• **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.
••• **Call log set**	If Call log is set to log calls for lines, use the information under this heading to determine which lines will log calls. Lines must have an appearance on the telephone, but they do not need to ring.
••• **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	These commands allow you to assign settings to each trunk and external line.
• **Show line:_**	Enter the line number of the line you want to program.
• **Line001:Line001**	Display of the line number and current line name.
•• **Trunk/Line data**	Use to program settings for physical lines that affect how the line is used by the Norstar system.
••• **Trunk type**	This entry is determined by the cartridge or card installed in the KSU slot. This setting also allows you to determine if the lines is supervised or not supervised.

••• 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 to 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 must match the dial mode setting of the line at the central office on 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.
••• 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 (8 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, the 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, when a signal is 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.
••• Distinct Ring	Choose whether the line will have a distinctive ring pattern.
••• 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 • it matches these digits to a Received number • it 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**	Allows you to create and assign restriction filters. These filters control what kind of calls a user can make on this 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**	Enter the number (two-digit) of the restriction filter to apply during normal service and for each of the schedules.
••• **Remote restrns**	Assign restriction filters that apply only to remote users of the line.
••••• **Normal** ••••• **Night** ••••• **Evening** ••••• **Lunch** ••••• **Sched 4** ••••• **Sched 5** ••••• **Sched 6**	Enter the number (two-digit) of the restriction filter to apply to remote use during normal service and for each of the schedules.
•• **Telco features**	These commands allow you to assign settings for an external voice message service.
••• **VMsg center 1 (1-4)**	Assign a VMsg center to be used for voice message service for the line.
•••• **Use:**	Choose the route the system will use to access the external voice mail center.
•••• **Tel #**	Enter the telephone number that access the voice mail center.
Services	These commands allow you to 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 LIST to display the valid sets added to this Ringing group.
•• Sched:Night	Select options for your ringing service.
••• Service	Select how you want your service activated.
••• Trunk Answer	Allow the telephone to answer incoming calls arriving at any telephone on the system.
••• 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.
• Restrn service	Use these commands to select the method for activating alternate restrictions.
•• Sched:Night	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 allows you to create up to 500 destination codes and 999 routes to provide a dialing plan or for least cost routing.
•• Second dial tone	This heading provides a 10-space table for entering leading digits for destination that require a second dial tone between sections of the dial string.
•• 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, of up to 24 digits or characters, that 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 up to seven digits of the destination code that you want to use to define a route. Destination codes must be unique. A destination code cannot begin with a digit assigned as: • Call Park prefix • Direct-dial digit • same as, or be the start digits of a DN, the DISA DN or the Auto DN • line pool code • 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.
••••• **AbsorbLength**	Enter the number of digits from the destination code that will be dropped before the number is dialed out.
•••• **Night**	Each of the next six schedules allow you to define three possible routes that an outgoing call may take.
••••• **First route** ••••• **Absorb Length** ••••• **Second route** ••••• **Absorb Length** ••••• **Third route** ••••• **Absorb Length**	Enter route numbers and determine the amount of the destination code that needs to be suppressed to use these routes. The routes are listed in hierarchal order. The system attempts the first route, first, and only moves to the second route if the first route is not available. If the second route is also not available, the call will attempt to use the third route. If none of the routes are available, the call will go to the overflow route, if one has been specified.
•••• **Evening** •••• **Lunch** •••• **Sched 4** •••• **Sched 5** •••• **Sched 6**	For the last destination code, define a route for each of the schedules that you want to activate for this code.
•• **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	Use these commands to 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 that will 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 (Evening, Lunch, Sched 4, Sched 5, or Sched 6)	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	These commands allow you to create speed dial codes that can be used by any telephone in the system.
• Speed dial #	Enter the three-digit speed dial code (001-255) that you want to program.
•• XXX:	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 routing destination code.
•• Display digits	Select whether a telephone displays the number dialed when a speed dial number is used.

••• Name	If you choose No for display digits, enter 16 characters to identify the person or location for a speed dial number. When the number is dialed, the telephone displays the name, not the number. If you want to use the alpha tagging feature, you must specify a name for the speed dial.
•• Bypass restr'n	Select whether a programmed system speed dial number can bypass restrictions programmed for a line and/or a telephone.
Passwords	Use these commands to 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.
• Programing 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. (Companion)	Enter the new registration password that allows you to register Companion portable sets to the system.
• Hospitality	Use these commands 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.
• SM password	Enter the password that the supervisor using Silent Monitoring will enter.

Time&Date	Use these commands to set the system clock to the correct time and date.
System prgrming	Use these commands to change system-wide settings.
• Hunt groups	These commands allow you to 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	Assign or unassign a line to a particular hunt group.
•• Mode:	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:	Determine how an incoming call is to be treated when all hunt group member sets are busy.
•• Q Timeout:	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.
•• Aux ringer	Indicate if an external ringer will be used.
•• Distinct Ring	Use this setting to determine the Distinctive Ring Pattern you want to use to identify the Hunt group. This setting works in conjunction with Line and Telephone distinctive ring settings.
• 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 • Call Park prefix • Direct-dial digit • first digit of a line pool access code If you change an individual DN, you must quit programming for the change to take effect.
• Featr settings	Use these commands to set or change features for specific sets.
•• Backgrnd music	Select whether users can listen to music through their telephone speaker using the Background Music feature (✆ 8 6). A customer-supplied music source must be connected to the ICS.
•• On hold	Select whether a caller on hold hears: • music from an outside source, such as a radio connected to the ICS • periodic tones • 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 (7 6).
•• **Page tone**	Select whether users can hear a Page Announcement tone (6 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.
•• **AutoTime&Date**	Select whether time and day will automatically display.
•• **SWCA Cntrl**	This feature provides 16 feature codes which allow you to park calls on the system. If these codes are assigned to memory buttons with indicators in a group of telephones, then incoming calls can be assigned to the buttons and maintain a call appearance for the group, while freeing up the line for additional calls.
••• **Auto Associate**	Use this command to determine how incoming external calls are assigned to SWCA positions.
••• **Auto Assc I/C**	If Auto Associate is set to Manual LOC, you can set this field to Yes to allow incoming intercom calls to automatically park on a SWCA position.
••• **Invoke by Hold**	Use this command to determine if external calls are automatically assigned to an available SWCA button if they are put on Hold.
••• **SWCA hold I/C**	If Invoke by Hold is set to Yes, you can set this field to Yes to allow incoming intercom calls to automatically park on a SWCA position when the user puts the call on hold.
•• **Call log**	Determine if call logging assignments will be set-based or line-based on each set.
•• **Call log space**	Customize how Call log space is allocated to telephones in the system.
••• **Reset all logs?**	Use this command to confirm that you want to reallocate the Call log space equally to all telephones in your 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.
•• **Link time**	
•• **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.
•• **Ans. key:**	Allows you to assign up to eight answer keys. Settings are Basic, Enhanced, and Extended.
•• **Silent Monitor**	Use this command to determine if the Silent Monitoring feature will emit a conference tone when supervision occurs. (Y = tone; N = no tone)
•• **CLID Match**	Use this command to determine how many digits an incoming calls must match to a System Speed Dial listing to allow the speed dial name to display for the call.
• **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/KIM assignment**	Use these commands to assign the DNs of telephones to a the central answering position (CAP) which can be composed of an M7234+ CAP modules or a T7316E+eKIMs.
•• **CAP 1 or KIM1** •• **CAP 2 or KIM2** •• **CAP 3 or KIM3** •• **CAP 4 or KIM4** •• **CAP 5 or KIM5**	Enter the DN of the CAP telephones.
• **Dialing plan**	
•• **Private network**	If you are networking your system using dedicated PRI lines, you need to set up the same dialing plan on all nodes of the system.
••• **Type**	(None, CDP, UDP) This fields defines the type of dialing plan.
••• **PrivNetID**	(CDP and UDP only) This is the unique network identifier for each node.
••• **Loc code**	(UDP only) This is the code that provides access to a UDP-based node.
••• **Priv DN len**	This is the number of digits the nodes require to recognize where the information needs to be routed.
•• **Public network**	If you are networking through PSTN public lines, you can specify which numbers will be recognized as belonging to the system.
••• **Pub DN lengths**	This is the DN length the system will recognize

•••• Show prefix	These are the prefixes the system will recognize.
•••• Prfx: Deflt	
••••• DN length	
•• Dial timeout	This is the timer for releasing a call that cannot be routed over the network.
••• Dial timeout	
• Access Codes	Use these commands to enter the access codes for: • Line pool • Park prefix • Extrnl code • Direct-Dial • Auto DN • DISA DN
•• Line pool codes	Enter a line pool access code for each line pool (1-4 digits). A line pool access code cannot start with the same digits as the: • Call Park prefix • Direct-dial digit • any DN (including Rec'd #s, the DISA DN, or the Auto DN) • 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 model 7000 and 7100 telephones and analog telephones to have access to external lines. The external line access code cannot be the same as the: • Call Park prefix • Direct-dial digit • 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 • line pool access code • external line access code • Call Park prefix • 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 • destination code
•• DISA DN	Enter the DN 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 • destination code

•• **PrivAccCode**	Enter the special code for your private network access.
•• **Carrier Codes**	Enter the signal for a carrier code entry.
• **Remote access**	Use these commands to 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 the system 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** (MICS-XC systems, only)	These commands allow you to change DN types for the range of DNs that are 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.
•••• **State**	Use this display key item to see whether a portable has been assigned to the DN.
Companion (MICS-XC systems, requires keycode)	These commands allow you to set up base stations and program the portables in your Companion system.
• **Registration**	Use these commands to register the portables to the system.
•• **Registration**	Turn portable registration on or off.
•• **Portable DNs**	Identify the access line to which a portable is registered.
••• **Show DN:_**	Display the DN of the portable.
• **Radio data**	These commands allow you to initiate a re-evaluation of the radio status.
•• **Re-evaluation**	This command automatically assigns base stations to cells and defines the cell configuration.
••• **Status**	Identify the status of the Re-evaluation.
••• **Schedule**	
• **Radios**	These commands provide information about 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**	Indicate the type of antenna selected for each base station.
••• **Show radio**	Enter the number of the radio.

• Cells	These commands provide information about the 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. This is a cell that physically adjoins another cell.
••• Show nghbr	View neighbor information.
•• Cell rad nghbrs	Assign a cell to be a bordering cell to each cell neighbour.
•• Show RadNghbr	View cell radio neighbor information.
• System LID (MICS-XC systems, requires Companion keycode)	Use these commands to determine the System Access Logical Identifier (LID) by which the system identifies itself to portable telephones, and by which the portable telephones 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, when increased to five digits, becomes 22344).
• Nat'nl 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	Enter the name of the business. This name displays on the receiving set, where the line allows.
• CbC limits	These commands allow you to program the minimum and maximum incoming and outgoing calls for a PRI line pool.
•• Pool PRI-A	Select the PRI line pool (PRI-A, PRI-B....) for which you want to set the limits.
••• Show: Public	Select Public or Private, or Tie, FX, OUTWATS, 800
•••• Min incoming	Enter the minimum number of incoming PRI lines you need.
•••• Max incoming	Enter the maximum number of incoming PRI lines you need.
•••• Min outgoing	Enter the minimum number of outgoing PRI lines you need.
•••• Max outgoing	Enter the maximum number of outgoing PRI lines you need.
• Release reasons	Release reasons.
• Hospitality	These commands allow you to create the hospitality settings.
•• Room/desk information	These commands allow you 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	These commands allow you to assign dialing filters to room occupancy states.
••• Vacant	This command notes if the Room is empty or occupied.
•••• Use flt:	Enter the dialing filter for the room state. The filters range from 00 to 99.
••• Basic	Indicate the filter to be assigned for that level of room occupancy.
••• Mid	Indicate the filter to be assigned for that level of room occupancy.
••• Full	Indicate the filter to be assigned for that level of room occupancy.
•• Service time	These commands allow you 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	These commands allow you to configure the Alarm operation.
••• Attn attempts	Enter the number of times the Alarm time feature attempts to get the attention of the occupant before cancelling.
••• Retry intrvl	Enter the interval period between each Alarm attempt. This setting is in minute intervals.
••• Attn duration	Set the period for which a set alerts on each alarm attempt. This setting is in seconds.
••• Time format	Choose if alarm times are entered using a 12 hour or 24 hour clock.
•• Expired Alarms	These commands allow you to determine how the system will notify you about expired alarms.
••• Notify set	Use this command to choose whether the set where the alarm was programmed will be notified if the alarm expires.
••• Use Tone	Use this command to choose what tone will be used if the set is notified that an alarm has expired.
• Network services	These commands are used for MCDN connections only.
•• ETSI (profile 2 only)	These features can be supplied by your service provider over ETSI lines.
••• Netwrk Redirection (NCD)	Use this command to indicate whether you want to be able to call forward calls over the network.
••• MCID	Use this command to indicate whether the MCID feature code can be used to record call information at the CO.
•• MCDN (profiles 1, 2, and 4)	Press Next to move to next entry.
••• NetwkICCL	Select whether you want ISDN Call Control Limitation to be set for your MCDN network.
••• TRO	Select whether you want Trunk Route Optimization to be active on the MCDN networks.
••• TAT	Select whether you want Trunk Anti-Tromboning to be set for your MCDN network.
• SM Sets	Indicate the number of silent monitoring telephones that you want to allow in your system (1 - 30). Note that telephones that have been allowed as SM supervisors cannot be monitored.

Telco features	These commands allow you to assign settings for external voice messaging services.
• VMsg ctr tel#s	These commands allow you to determine which voice message center the set will use, and how it will access the network.
•• VMsg center 1 **•• VMsg center 2** **•• VMsg center 3** **•• VMsg center 4** **•• VMsg center 5**	Choose the voice message center you want the set to use.
••• Use: linel routing tbl	Select whether the set will access the voice message center over a direct line, or through a routing table.
•••• Tel#	Enter up to a 24-number telephone number that accesses the voice messaging center.
• 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:	Enter the BRI code.
Software keys	These commands allow you to set up access to optional features and services through Nortel Networks programming.
• SysID	This number can be viewed on any system telephone with a two-line display. Record the number. You will be asked to provide this number 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 keys for ISDN PRI, and fixed access trunks/WAN access for Data Modules, call the Nortel Customer Response Center at: 1-800-684-5825. Note: An ISDN PRI key is required for MCDN networking.
•• Key 1	Enter the eight-digit password.
•• Key 2	Enter the eight-digit password.
•• Key 3	Enter the eight-digit password.
Hardware	Use these commands to 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.
••• Show lines ___	

•••• **Protocol**	
•••• **PrivNetId**	
••• **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. Check with your telecommunications service provider to find out the I/F level of your connection: • digital network loss treatment (ISDN I/F levels) • analog network loss treatment (PSTN I/F levels)
•• **Framing**	Use to select the framing format used by your T1 service provider. This setting only appears for DTIs.
•• **Internal CSU**	Use to turn the internal TI channel service on or off. The channel service unit gathers performance statistics for your T1 lines.
•• **CSU line bld**	Use to set the gain level of the transmitted signal. This setting only appears for DTIs that have their internal CSU turned on.
•• **DSX1 bld**	Use 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.
•••• **DNs on Loop**	Assign the ISDN DNs that use this loop.
••••• **Assign DNs**	Enter ISDN DNs for each S-loop or LT loop.
••••• **Show DN:_**	Indicate 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-channls**	Select the number of B-channels that are associated with the SPID.
••• **Network DNs**	Enter the Network DNs 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 servce**	Configure the D-packet service for this loop. Only one loop on each card can support D-channel packet service.
•••• **D-packet servce**	Turn the D-packet service for this loop on or off.
•••• **Lp001**	Select the loop that supports the D-packet service: • S-loop (for BRI-ST Card) • LT-loop (for BRI-U2 or BRI-U4 Card)
••• **TEIs**	Add up to eight Terminal Endpoint Identifiers (TEIs). Each TEI is supplied by your service provider. A TEI is associated with an ISDN device.
•••• **TEI**	Enter the two-digit TEIs supplied by your service provider.
••• **ClockSrc**	Determine the type of clock source.
••• **Send Name Display**	PRI lines only (Profiles 1 and 4). This setting allows you to block outbound name display (business name and OLI) if the connecting switch does not support the feature.
••• **ONN blk**	Determine if ONN blocking will be allowed 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. **Note:** The slots are numbered from left to right. **Version note:** 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**	View and program the cards installed in the modules. Note: MICS-XC also has modules 9-14.
••• **StnMod**	Indicate that the module is a Station Module
••• **ASM**	Indicate that the module is an Analog Station Module
••• **TrunkMod**	Indicate that the module is a Trunk Module
••• **DataMod**	Indicate that the module is a datamodule: • Norstar Integrated Data Module 200 (IDM 200) • BayStack • Synchronous Data Interface (SDI)
•••• **Type**	Indicate the type of data module. You can change the type if no data module is currently attached to the expansion port.
•••• **IP address**	Indicate the IP address for a data module (BayStack only).
•••• **Fixed access**	Assign Fixed lines to supported data modules • IDM 200 • BayStack • SDI).
•••• **Switched access**	Assign lines used for dial-up network access to the data module (BayStack only).
••••• **Line assignment**	Select fixed lines the data module (BayStack only) uses for switched access.

••••• **Line pool access**	Indicate line pool switched access for the data module (BayStack only).
•••• **DataMod NVRAM**	Use to reset the NVRAM of the IDM 200 data module to the factory defaults.
•••• **Config**	Use to configure the settings for the SDI.
••••• **Ptl**	Select the physical interface used to connect the SDI to the networking equipment.
••••• **DS0 rate**	Select the transmission rate of the channels (Fixed lines) assigned to the SDI.
••••• **TxClk src**	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
••••• **TxClk 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**	Invert 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**	Show the direction of the loopback, if any, generated by the SDI.
•••• **Fixed access**	Assign fixed lines to supported data modules: • IDM 200 • BayStack • SDI.
• Maintenance	These commands allow you to make diagnostic checks on the system.
• System version	Record the system version shown on the display.
• Port/DN status	View the Port/DN status.
• Module status	View the Module status.
• Sys test log	View items in Sys test log.
• Sys admin log	View items in log.
• Network evt log	View the items in the Network Log. This log keeps a record of events and alarms involving 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.
• Link Status	
• Usage metrics	
•• **Hunt Groups**	Use to gather statistical information about Hunt group usage.
•• **Call-by-Call**	Use to gather statistical information about PRI CbC calls.

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