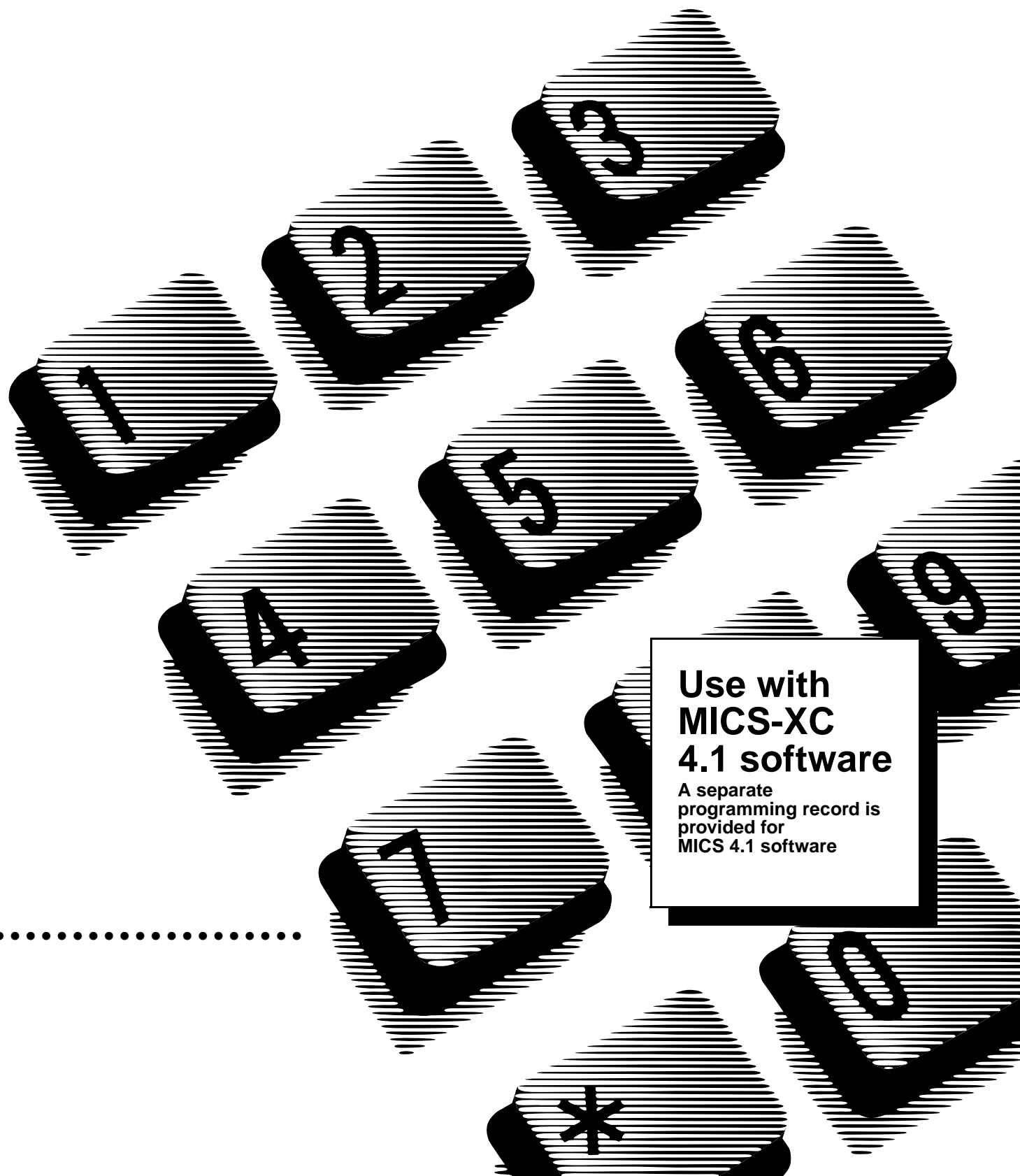


NORTEL NORSTAR

.....

MICS-XC 4.1 Programming Record



**Use with
MICS-XC
4.1 software**

A separate
programming record is
provided for
MICS 4.1 software

.....

Contents

Installed equipment 2

Programming overview (Profiles 1 and 4) 3

Programming overview (Profiles 2 and 3) 7

Installed telephones and other devices 10

Profile 11

Dialpad 11

Startup 11

Terminals&Sets 11

Line Access 11

Capabilities 12

Name 13

User preferences 13

 Button prgrming 14

 User speed dial 17

Restrictions 18

 Restrtn filters 18

 Set restrns 20

 Line/set restrns 20

Telco features 20

 CLASS assignmnt 20

 1stDisplay 20

 Called ID 21

 Log space 21

Lines 22

Trunk/Line Data 22

- If Target Line 22
- If T1 and Groundstart 22
- If T1 and Loopstart 23
- If T1 and E&M 24
- If T1 and DID 25
- If BRI-2 or BRI-ST (ISDN) 26
- If BRI-U2 or BRI-U4 (ISDN) 26
- If PRI (ISDN) 27
- If T1 and Fixed 27
- Name 27
- Restrictions 28
 - Line restrns 28
 - Remote restrns 28
- Telco features 28

Services 29

- Ringing Service 29
- Restrn service 30
- Routing service 31
 - If PRI-A or PRI-B 32
 - If service type requires service id 32
 - If Protocol is SL-1 or TIE service type 32
- Transparent dialing plan 33
- Dest codes 34
- Priv DN len 36
- Dial timeout 36
- Carrier codes 36
- Pub DN lengths 36
- Common settings 37
 - Control sets 37
 - Schedule names 37

Sys speed dial 38

Passwords 39

- COS pswds 39
- Call log paswds 40
- Progrming pswds 41
- Reg. pswd 41
- Hospitality 41

Time&Date 41

System prgrming 42

- Hunt groups 42
- Change DN's 42
- Featr settings 43
- Direct-dial 43
- CAP assignment 44
- Access codes 44
- Remote access 45
- Change DN type 46
- Companion 47
 - Registration 47
 - Radios and Cells 48
 - System LID 49
- Rec'd # length 49
- DN length 49
- National length 49
- Make / Break 49
- Business name 49
- CbC limits 49
- Release reasons 49
- Hospitality 50

Telco features 50

- VMSg ctr tel#s 50
- ONN blocking 50

Software keys 51

- SysID 51
- Companion ID 51
- Password keys 51
 - Password keys for Companion 51
 - Password keys for ISDN PRI 51
 - Password keys for fixed T1 lines 51

Hardware 52

Cards on KSU 52

- If card is a Loop card 52
- If card is a T1 card 52
- If card is a PRI card 53
- If card is a DID card 53
- If card is an E&M card 53
- If card is a BRI-U2, BRI-U4 or BRI-ST card 54
- If card is a BRI-2 or BRI-ST card 55

Modules 56**StnMod 56****ASM 56****TrunkMod 57****DataMod 58**

IDM 200 58

BayStack 58

SDI 58

Maintenance 61

- System version 61
 - Sys test log 62
 - Sys Admin Log 63
 - Network evt log 64
-

Template specific defaults 65**Terminals&Sets defaults 65**

Line Access 65

Telco features (CLASS assignmnt) 65

Lines defaults 65

Trunk/Line data (Target lines) 65

Trunk/Line data (Digital and Analog loopstart) 65

Trunk/Line data (Digital and Analog Groundstart) 65

Trunk/Line data (Digital and E&M lines) 65

Trunk/Line data (Digital and Analog DID) 66

Trunk/Line data (BRI-2, BRI-ST, BRI-U2 and BRI-U4 lines) 66

Glossary of programming headings and settings 67

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

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

Copying set programming

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

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

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

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

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

Installed equipment

0X32 ICS

Telephones

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

Data terminals

Auxiliary equipment

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

| | |
|--|-----------------------|
| Profile | PROF 1 |
| Dialpad | Q, Z: 0 |
| Startup | |
| Template | PBX |
| Start DN | 221 |
| Terminals&Sets | |
| <i>Show set: _</i> | |
| Line access | |
| Line assignment | |
| <i>Show line: _</i> | |
| (If it is a Non-DID line) | |
| L001 | Unassigned |
| (If it is a DID line) | |
| L001 | 1 |
| (If PRI) | |
| L001: | PRI-A |
| LinePool access | |
| LinePool PRI-A | N |
| Prime line | /C |
| Intercom keys | 2 |
| Answer DN's | |
| <i>Show set: _</i> | |
| 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 |
| ATA settings | |

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

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

Services

Ringing service

Ringing groups

Show group: _

Ring grp 01

Show set: _

221

Assigned

222

Unassign

Sched: Night

Service

Off

Trunk answer

Y

ExtraDial

221

Line settings

Show line: _

Ring grp

001

Aux. ringer

N

Sched: Evening

Sched: Lunch

Sched: Sched 4

Sched: Sched 5

Sched: Sched 6

Restr'n service

Sched: Night

Service

Off

Sched: Evening

Sched: Lunch

Sched: Sched 4

Sched: Sched 5

Sched: Sched 6

Routing service

Routes

Show route: _

DialOut

no number

Use: Pool A..., Pool O,

PRI-A, PRI-B

(If PRI-A or PRI-B)

SrvType:

Public

(If service type is Tie, FX, OUTWATS, requires service id)

Service id:

<valid service id #>

None

(If Protocol is SL-1 or

Tie service type)

DN type:

Public

Dest codes

Show DstCode: _

DstCode:

Normal

000

Digit absorb

All

Night

None

Digit absorb

All

Prv DN len

3

Dial timeout

Dial timeout

4

Carrier codes

Prfx: 101...

Prfx: NNNNNN...

Pub DN lengths

Show prefix: _

Prfx: Deflt

Z

Prfx: 011

Sched: Night

Service

Off

Overflow

N

Sched: Evening

Sched: Lunch

Sched: Sched 4

Sched: Sched 5

Sched: Sched 6

Common settings

Control sets

For lines

Show line: _

L001

221

For sets

Show set: _

221

221

Schedule names

Sched 1

Night

Sched 2

Evening

Sched 3

Lunch

Sched 4

Sched 4

Sched 5

Sched 5

Sched 6

Sched 6

Schedule times

Monday

Sched: Night

Start time

23:00

Stop time

07:00

Sched: Evening

Start time

17:00

Stop time

23:00

Sched: Lunch

Start time

12:00

Stop time

13:00

Sched: Sched 4

Start time

00:00

Stop time

00:00

Sched: Sched 5

Start time

00:00

Stop time

00:00

Sched: Sched 6

Start time

00:00

Stop time

00:00

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Sys speed dial

Speed dial #: _

01:

No number

(if number is programmed)

Use prime line

Display digits

Y

(if Display digits=N)

Name

Sys Spd Dial 01

Bypass restr'n

N

Passwords

COS pswds

Show pswd #: _

COS pswd #00

Pswd 00

None

User flt

None

Line flt

None

Remote pkg

None

Call log pswds

Show set: _

Log pswd

None

Progrming pswds

Installer

266344

(CONFIG)

SysAdmin+

727587

(SCPLUS)

Sys admin

23646

(ADMIN)

Basic

22742

(BASIC)

Reg. pswd

72346

Hospitality

Desk pswd

4677

(HOSP)

Cond pswd

None

Time&Date

Hour

01

Minutes

00

Year

99

Month

01

Day

01

System prgrming

Hunt groups

Show group: _

HGnn:<DN>

Member DNs

M001:

Appr&Ring

Line assignment

Show line: _

Lnnn:

Unassigned

Mode:

Broadcast

Hunt delay:

4

If busy:

BusyTone

Timeout:

60

Overflow: <DN> or

<hunt group DN>

Name: <7 characters>

Change DNs

Old DN: _

Max. 7 digits

New DN: _

Max. 7 digits

Feat'r settings

Backgrnd music

N

On hold

Tones

Receiver volume

Use sys volume

Camp timeout

45

Park timeout

45

Park mode

Lowest

Trnsfr callbk

4

DRT to prime

Y

DRT delay

4

Held reminder

N

Remind delay

60

Directd pickup

Y

Page tone

Y

Page Timeout

180

Daylight time

Y

AutoTime&Date

Y

Call log space

Reset all logs?

Space/log

Host delay

1000

Link time

600

AlarmSet

221

Set relocation

N

Msg Reply enh

N

Anskey:

Basic

Direct-dial

D-Dial 1

Intrnl

Use prime line

CAP assignment

CAP1

None

Access codes

Line pool codes

Line pool A

9

Park prefix

1

Extrnl code

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

Hospitality

| | |
|-----------------------|-------------|
| Room/desk info | |
| Show set: _ | |
| Room #: _ | |
| Adm pwd req'd: | <u>Y</u> |
| Call restrns | |
| Vacant: | <u>00</u> |
| Use flt: _ | |
| Basic: | <u>00</u> |
| Mid: | <u>00</u> |
| Full: | <u>00</u> |
| Service time | |
| Hour: | <u>00</u> |
| Minutes: | <u>00</u> |
| Alarm | |
| Attn attempts: | <u>3</u> |
| Retry intrvl: | <u>4</u> |
| Attn duration: | <u>15</u> |
| Time format | <u>12hr</u> |

Telco features

VMsg ctr tel#s

| | |
|---------------|------------------|
| VMsg center 1 | |
| Tel# | <u>No number</u> |
| VMsg center 2 | |
| VMsg center 3 | |
| VMsg center 4 | |
| VMsg center 5 | |

ONN blocking

| | |
|-------------------|-------------|
| Analog VSC | |
| Tone | <u>None</u> |
| Pulse | <u>None</u> |
| BRI VSC | |
| Code | <u>None</u> |

Software keys

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

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 | <u>Loop</u> |
| Card type | <u>Loop</u> |
| Lines | |
| Discon timer | <u>460</u> |

| | |
|--------------|-----------------|
| (If T1 card) | |
| Card type | <u>T1</u> |
| Lines | |
| Discon timer | <u>460</u> |
| Answer timer | <u>2</u> |
| CO fail | <u>T1A-547A</u> |
| I/F levels | <u>ISDN</u> |
| Framing | <u>ESF</u> |
| Internal CSU | <u>On</u> |
| CSU line bld | <u>0</u> |
| DSX1 bld | <u>000-100</u> |
| Line coding | <u>B8ZS</u> |
| Clock Src | <u>Primary</u> |

| | |
|-----------------------------|----------------|
| (If PRI card) | |
| Card type: | <u>PRI</u> |
| Lines | |
| (If more than one Protocol) | |
| Protocol | <u>NI-2</u> |
| BchanSeq | <u>Descend</u> |
| CbC Routing | |

(If Protocol is DMS-100)

| | |
|------------|-------------|
| CbC values | |
| FX | <u>None</u> |
| 800 | <u>None</u> |

(If Protocol is NI-2)

| | |
|------------|-------------|
| CbC values | |
| FX | <u>None</u> |
| 800 | <u>None</u> |

(If Protocol is DMS-250)

| | |
|------------|-------------|
| CbC values | |
| FX | <u>None</u> |
| 800 | <u>None</u> |
| 900 | <u>None</u> |

(If Protocol is AT&T-4ESS)

| | |
|--------------|-----------------|
| CbC values | |
| FX | <u>None</u> |
| 800 | <u>None</u> |
| 1800 | <u>None</u> |
| 900 | <u>None</u> |
| SDS | <u>None</u> |
| CO fail | <u>T1A-547A</u> |
| I/F levels: | <u>ISDN</u> |
| Framing | <u>ESF</u> |
| Internal CSU | <u>On</u> |
| CSU line bld | <u>0</u> |
| Line coding | <u>B8ZS</u> |
| Clock Src | <u>Primary</u> |

| | |
|---------------|------------|
| (If DID card) | |
| Card type | <u>DID</u> |
| Lines | |

| | |
|---------------|----------------|
| (If E&M card) | |
| Card type | <u>E&M</u> |
| Lines | |

Answer timer 2 |

| | |
|---------------|--------------|
| (If BRI card) | |
| Card type | |
| Loops | |
| Loop aaa | |
| Type | <u>I</u> |
| Protocol | |
| Sampling | <u>Fixed</u> |

| | |
|----------------|-----------------|
| (For S and LT) | |
| Assign DNs | |
| Show DN: _ | <u>Availabl</u> |
| Loop DN: _ | <u>None</u> |

| | |
|------------------|-----------------|
| (For T & NT) | |
| SPIDn | |
| # of B-channls | <u>1</u> |
| Network DNs | |
| DN1 | |
| Call type | <u>Both</u> |
| D-packet service | |
| D-packet servc | |
| LPnnn | <u>None</u> |
| TEIs | |
| TEI | |
| Clock Src | <u>Primary</u> |
| ONN blk | <u>SuprsBit</u> |

DataMod settings Profile 1 only
(If DataMod=IDM 200)

| | |
|--------------|-------------------|
| Type | <u>IDM 200</u> |
| Fixed access | |
| Show line: _ | |
| L001: | <u>Unassigned</u> |
| L001: | <u>Channel:xx</u> |

DataMod NVRAM

(If DataMod=BayStack)

| | |
|--------------|-------------------|
| Type | <u>BayStack</u> |
| IP address | |
| Fixed access | |
| Show line: _ | |
| L001: | <u>Unassigned</u> |
| L001: | <u>Channel:xx</u> |

Switched access

| | |
|-----------------|-------------------|
| Line assignment | |
| Show line: _ | |
| L001: | <u>Unassigned</u> |
| Dial-In: | <u>None</u> |

| | |
|-----------------|-------------------|
| LinePool access | |
| LinePool PRI-A: | <u>N</u> |
| L001: | <u>Unassigned</u> |

(If DataMod=SDI)

| | |
|-------------|-------------|
| Type | <u>SDI</u> |
| Config | |
| Ptl | <u>V.35</u> |
| DSO rate | <u>64k</u> |
| TxCk src | <u>Auto</u> |
| TxCk invrsn | <u>Off</u> |
| Data invrsn | <u>Off</u> |

| | |
|--------------|-------------------|
| Fixed access | |
| Show line: _ | |
| L001: | <u>Unassigned</u> |
| L001: | <u>Channel:xx</u> |

| | |
|--------------|---------------|
| Lp state | <u>None</u> |
| Lpbk | <u>Off</u> |
| Cd2-KSU | <u>Loop</u> |
| Mod 03 to 14 | <u>StnMod</u> |

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)

| | | | | | |
|--|---------------|---------------------------------------|------------------------|---|---------------------------------------|
| Profile | PROF 1 | Name | 221 | Lines | |
| Dialpad | Q, Z:0 | User preferences | | <i>Show line: _</i> | Link at CO N |
| Startup | | Model M7208 | | Trunk/Line data | Aux. ringer N |
| Template | PBX | Button prgrming | | (If Target Line) | Signal Winkstart |
| Start DN | 221 | User speed dial | | Line type Public | ANI number N |
| Terminals&Sets | | Call log opt'ns | No one answered | Rec'd # None | DNIS number N |
| <i>Show set: _</i> | | Dialing opt'ns | | PrimeSet 221 | Gain Normal |
| Line access | | Language English | | CLID Set None | (If BRI-2 or BRI-ST) |
| Line assignment | | Display cntrst 4 | | (CLID set for target line is same as set that has appearance on that target line) | Trunk Type BRI-ST |
| <i>Show line: _</i> | | Ring type 1 | | Aux. ringer N | Line type Pool A |
| (If it is a Non-DID line) | | Restrictions | | If busy PrimeSet | PrimeSet 221 |
| L001 Unassigned | | Restrtn filters | | (If T1 and Loopstart) | CLID Set None |
| (If it is a DID line) | | <i>Show filter: _</i> | | Trunk Type Loop | Auto privacy Y |
| L001 1 | | Restrtn flt 00 No restrictions | | Line type Pool A | Ans mode Manual |
| LinePool access | | Restrtn flt 01 | | Dial mode Tone | Ans with DISA Y |
| LinePool A Y | | Restrtn 01 | | PrimeSet 221 | Aux. ringer N |
| Prime line 1/C | | Deny 0 | | CLID Set (analog only) None | Full AutoHold N |
| Intercom keys 2 | | No overrides | | Auto privacy Y | Name |
| Answer DN's | | Set restrtns | | Trunk mode Unspr | Line001 |
| <i>Show set: _</i> | | Filters | | Ans mode Manual | Restrictions |
| 222 Unassigned | | Normal 02 | | Ans with DISA Y | Restrtn filters |
| OLI# None | | Night 11 | | Link at CO (analog only) N | <i>Show filter: _</i> |
| Capabilities | | Evening 12 | | Aux. ringer N | Restrtn flt 00 No restrictions |
| Fwd no answer | | Lunch 13 | | Full AutoHold N | Restrtn flt 01 |
| Fwd to None | | Sched 4 00 | | LossPkg MediumCO | Restrtn 01 |
| Forward delay 4 | | Sched 5 00 | | (If T1 and Groundstart) | Deny 0 |
| Fwd on busy | | Sched 6 00 | | Trunk Type Ground | No overrides |
| Fwd to None | | Set lock None | | Line type Pool A | Line restrtns |
| DND on Busy N | | Allow last no Y | | Dial mode Tone | Normal 03 |
| Handsfree None | | Allow saved no Y | | PrimeSet 221 | Night 21 |
| HF answerback Y | | Allow link Y | | Auto privacy Y | Evening 22 |
| Pickup grp None | | Line/set restrtns | | Ans mode Manual | Lunch 23 |
| Page zone 1 | | <i>Show line: _</i> | | Ans with DISA Y | Sched 4 00 |
| Paging Y | | Normal None | | Aux. ringer N | Sched 5 00 |
| D-Dial Set1 | | Night None | | (If T1 and E&M) | Sched 6 00 |
| Priority Call N | | Evening None | | Trunk Type E&M | Remote restrtns |
| Hotline None | | Lunch None | | Line type Pool A | Normal 04 |
| (if Hotline=Extrnl and number specified) Use prime line | | Sched 4 None | | Dial mode Tone | Night 31 |
| Aux. ringer N | | Sched 5 None | | PrimeSet 221 | Evening 32 |
| Allow redirect N | | Sched 6 None | | Auto privacy Y | Lunch 33 |
| Redirect ring Y | | Telco features | | Ans mode Manual | Sched 4 00 |
| ATA settings | | CLASS assignmnt | | Ans with DISA Y | Sched 5 00 |
| ATA ans timer 7 | | <i>Show line: _</i> | | Aux. ringer N | Sched 6 00 |
| ATA use Off site | | Call log set N | | Signal Winkstart | Telco features |
| MsgIndicate None | | Extl VMsg set N | | ANI number N | VMsg center 1 |
| | | 1st Display Name | | DNIS number N | Services |
| | | Called ID N | | Gain Normal | Ringng service |
| | | Log space | | (If T1 and DID) Profile 3 only | Ringng groups |
| | | Log 0 Pool 600 | | Trunk Type DID | <i>Show group: _</i> |
| | | | | Line type Pool A | Ring grp 01 |
| | | | | Dial mode Tone | <i>Show set: _</i> |
| | | | | PrimeSet 221 | 221 Assigned |
| | | | | Ans mode Manual | 222 Unassign |
| | | | | Ans with DISA Y | |

| | |
|------------------------|-----------------|
| Sched: Night | |
| Service | <u>Off</u> |
| Trunk answer | <u>Y</u> |
| ExtraDial | <u>221</u> |
| Line settings | |
| Show line: _ | |
| Ring grp | <u>001</u> |
| Aux. ringer | <u>N</u> |
| Sched: Evening | |
| Sched: Lunch | |
| Sched: Sched 4 | |
| Sched: Sched 5 | |
| Sched: Sched 6 | |
| Restrn service | |
| Sched: Night | |
| Service | <u>Off</u> |
| Sched: Evening | |
| Sched: Lunch | |
| Sched: Sched 4 | |
| Sched: Sched 5 | |
| Sched: Sched 6 | |
| Routing service | |
| Routes | |
| Show route: _ | |
| DialOut | <u>no numbr</u> |
| Use: PoolA..., Pool O, | |
| Dest codes | |
| Show DstCode: _ | |
| DstCode: | |
| Normal | <u>000</u> |
| Digit absorb | <u>All</u> |
| Night | <u>None</u> |
| Digit absorb | <u>All</u> |
| Sched: Night | |
| Service | <u>Off</u> |
| Overflow | <u>N</u> |
| Sched: Evening | |
| Sched: Lunch | |
| Sched: Sched 4 | |
| Sched: Sched 5 | |
| Sched: Sched 6 | |
| Common settings | |
| Control sets | |
| For lines | |
| Show line: _ | |
| L001 | <u>221</u> |
| For sets | |
| Show set: _ | |
| 221 | <u>221</u> |
| Schedule names | |
| Sched 1 | <u>Night</u> |
| Sched 2 | <u>Evening</u> |
| Sched 3 | <u>Lunch</u> |
| Sched 4 | <u>Sched 4</u> |
| Sched 5 | <u>Sched 5</u> |
| Sched 6 | <u>Sched 6</u> |
| Schedule times | |
| Monday | |

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

Sys speed dial

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

Passwords

COS pswns

| | |
|----------------|-------------|
| Show pswn #: _ | |
| COS pswn #00 | |
| Pswd 00 | <u>None</u> |
| User flt | <u>None</u> |
| Line flt | <u>None</u> |
| Remote pkg | <u>None</u> |

Call log pswns

| | |
|-------------|-------------|
| Show set: _ | |
| Log pswn | <u>None</u> |

Progrming pswns

| | |
|-----------|---------------|
| Installer | <u>266344</u> |
| (CONFIG) | |
| SysAdmin+ | <u>727587</u> |
| (SCPLUS) | |
| Sys admin | <u>23646</u> |
| (ADMIN) | |
| Basic | <u>22742</u> |
| (BASIC) | |

| | |
|-----------|--------------|
| Reg. pswn | <u>72346</u> |
|-----------|--------------|

Hospitality

| | |
|-----------|-------------|
| Desk pswn | <u>4677</u> |
| (HOSP) | |
| Cond pswn | <u>None</u> |

Time&Date

| | |
|---------|-----------|
| Hour | <u>01</u> |
| Minutes | <u>00</u> |
| Year | <u>99</u> |
| Month | <u>01</u> |
| Day | <u>01</u> |

System prgrming

Hunt groups

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

Change DNs

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

Featr settings

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

| | |
|----------------|--------------|
| Link time | <u>600</u> |
| AlarmSet | <u>221</u> |
| Set relocation | <u>N</u> |
| Msg Reply enh | <u>N</u> |
| Anskey: | <u>Basic</u> |

Direct-dial

| | |
|----------------|---------------|
| D-Dial 1 | <u>Intrnl</u> |
| Use prime line | |

CAP assignment

| | |
|------|-------------|
| CAP1 | <u>None</u> |
|------|-------------|

Access codes

| | |
|-----------------|-------------|
| Line pool codes | |
| Line pool A | <u>9</u> |
| Park prefix | <u>1</u> |
| Extrnl code | <u>None</u> |
| Direct-dial | <u>0</u> |
| Auto DN | <u>None</u> |
| DISA DN | <u>None</u> |

Remote access

| | |
|-----------------|-----------|
| Rem access pkgs | |
| Show pkg: _ | |
| 00 | |
| LinePool access | |
| Pool A (9) | <u>N</u> |
| Pool B () | <u>N</u> |
| Remote page | <u>N</u> |
| 01 | <u>N</u> |
| LinePool access | |
| Pool A (9) | <u>Y</u> |
| Pool B () | <u>N</u> |
| Remote page | <u>N</u> |
| Rem line access | |
| Show line: _ | |
| L001 Rem pkg | <u>00</u> |

Change DN type

| | |
|---------|-----------------|
| Show DN | |
| 637 | <u>Portable</u> |

Companion

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

| | |
|------------------------|-------------------|
| Cell nghbrs | |
| Show nghbr: | <u>Unassigned</u> |
| Cell rad nghbrs | |
| ShowRadNghbr: | <u>Unassigned</u> |
| System LID: | |
| Rec'd # length | <u>3</u> |
| DN length | <u>3</u> |
| Nat'l length | <u>10</u> |
| Mk /Br: | <u>40 / 60</u> |
| BusName | <u>None</u> |
| Release reasons | |
| Text: | <u>None</u> |
| Hospitality | |
| Room/desk info | |
| Show set:___ | |
| Room #: _ | |
| Adm pwd req'd: | <u>Y</u> |
| Call restrns | |
| Vacant: | <u>00</u> |
| Use flt:___ | |
| Basic: | <u>00</u> |
| Mid: | <u>00</u> |
| Full: | <u>00</u> |
| Service time | |
| Hour: | <u>00</u> |
| Minutes: | <u>00</u> |
| Alarm | |
| Attn attempts: | <u>3</u> |
| Retry intrvl: | <u>4</u> |
| Attn duration: | <u>15</u> |
| Time format | <u>12hr</u> |

Telco features

VMsg ctr tel#s

VMsg center 1
Tel# No number

VMsg center 2

VMsg center 3

VMsg center 4

VMsg center 5

ONN blocking

Analog VSC

Tone 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 T1 card)

Card type T1

Lines

Discon timer 460

Answer timer 2

CO fail T1A-547A

I/F levels ISDN

Framing ESF

Internal CSU On

CSU line bld 0

DSX1 bld 000-100

Line coding B8ZS

Clock Src Primary

(If DID card) Profile 3 only

Card type DID

Lines

(If E&M card)

Card type E&M

Lines

Answer timer 2

(If BRI-2 or BRI-ST card)

Card type BRI-ST

Loops

Loop aaa

(For T type)

Clock Src Primary

ONN blk SuprsBit

Ovlap recving N

Public digit length 8

(For S type)

Sampling Adaptive

Assign DN's

Show DN:___ Availabl

Loop DN:___ None

Cd2-KSU Loop

Mod 03 to 14 StnMod

Usage Metrics

Hunt groups

Call by call

Maintenance

System version

Port/DN status

Module status

Sys test log

Sys admin log

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Link status

To record additional information, photocopy this page before using.

Installed telephones and other devices

[illegible]

a. Change DNs in System prgrming; Change DNs. Record old and new DNs here.

| Profile | <u>PROF 1</u> | PROF 2 | PROF 3 | PROF 4 |
|---------|---------------|--------|--------|--------|
|---------|---------------|--------|--------|--------|

| | | |
|---------|---------------|----------|
| Dialpad | <u>Q, Z:0</u> | Q, Z:7,9 |
|---------|---------------|----------|

| | |
|-----------------|----------------|
| Template | DID <u>PBX</u> |
| Start DN | 221 _____ |

Line Access

[illegible]

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

* Profiles 1 and 4 only.

Capabilities

(Terminals&Sets: Capabilities)

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

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

Name

(Terminals&Sets: Name)

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

User preferences

(Terminals&Sets: User preferences)

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

Button prgrming

| M7100 | Pgrming | Default |
|--------------|----------------|----------------|
| B01 | | Last No. |

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

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

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

| CAP | Prgming | Default |
|------------|----------------|----------------|
| B01 | | No default |
| B02 | | No default |
| B03 | | No default |
| B04 | | No default |
| B05 | | No default |
| B06 | | No default |
| B07 | | No default |
| B08 | | No default |

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

| Int'l set | Pgrming | Default |
|------------------|----------------|----------------|
| B01 | | Last No. |
| B02 | | Call Fwd |
| B03 | | Transfer |
| B04 | | Conf |

User speed dial

(Terminals&Sets: User speed dial)

[illegible]

Restrictions

(Terminals&Sets: Restrictions)

Restrtn filters

(Terminals&Sets: Restrictions; Restrtn filters)

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

MICS-XC 4.1 Programming Record

Set restrns

(Terminals&Sets; Restrictions; Set restrns)

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

Line/set restrns

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

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

Telco features

(Terminals&Sets;Telco features)

CLASS assignmnt

(Terminals&Sets;Telco features; CLASS assignmnt)

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

1stDisplay

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

| | | | | | | | |
|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line | <u>Name</u> Numbr Line |
|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|

Called ID

(Terminals&Sets;Telco features;Called ID)

| | | | | | | | | | | | | |
|--|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|
| | Y | <u>N</u> | Y | <u>N</u> | Y | <u>N</u> | Y | <u>N</u> | Y | <u>N</u> | Y | <u>N</u> |
|--|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|

Log space

(Terminals&Sets;Telco features; Log space)

| | | | | | | | | |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Log space (Log:0 Pool: 600) | Log: Pool: | Log: Pool: | Log: Pool: | Log: Pool: | Log: Pool: | Log: Pool: | Log: Pool: | Log: Pool: |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|

Lines

Trunk/Line Data

(Lines; Trunk/Line Data)

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

If Target Line

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

If T1 and Groundstart

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

If T1 and Loopstart

(Digital and Analog)

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

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 | <u>Y</u> N | <u>Y</u> N | <u>Y</u> N | <u>Y</u> N |
| Ans mode | Manual Auto | Manual Auto | Manual Auto | Manual Auto |
| Ans with DISA (Only if Ans mode is Auto) | <u>Y</u> N | <u>Y</u> N | <u>Y</u> N | <u>Y</u> N |
| Aux. ringer | Y 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 |

If T1 and DID

(Profiles 1, 3 and 4 only)

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

If BRI-2 or BRI-ST (ISDN)

(BRI-2 for Profiles 2 and 3 only)

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

If BRI-U2 or BRI-U4 (ISDN)

(Profiles 1 and 4 only)

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

If PRI (ISDN)

(Profiles 1 and 4 only)

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

If T1 and Fixed

(Profile 1 only)

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

Name

(Lines;Name)

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

Restrictions

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

Line restrns

(Lines; Restrictions; Line restrns)

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

Remote restrns

(Lines; Restrictions; Remote restrns)

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

Telco features

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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VMsg center | 1 | 2 | 3 | 4 | 5 | N | 1 | 2 | 3 | 4 | 5 | N | 1 | 2 | 3 | 4 | 5 | N | 1 | 2 | 3 | 4 | 5 | N |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Photocopy pages before using.

Services

Ringling Service

(Services; Ringling Service) (Maximum of 30 sets for each Ringling group)

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

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

Restrn service

[illegible]

[illegible]

If PRI-A or PRI-B

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

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

If service type requires service id

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

| | |
|------------------------------------|------|
| ServiceID: <valid service id #> | None |
|------------------------------------|------|

If Protocol is SL-1 or TIE service type

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

| | | |
|----------|--------|---------|
| DN type: | Public | Private |
|----------|--------|---------|

Transparent dialing plan

(Services; Routing service)

[illegible]

| Service | <u>Off</u> | Auto | Manual | <u>Off</u> | Auto | Manual | <u>Off</u> | Auto | Manual | <u>Off</u> | Auto | Manual |
|----------|------------|----------|--------|------------|----------|--------|------------|----------|--------|------------|----------|--------|
| Overflow | Y | <u>N</u> | | Y | <u>N</u> | | Y | <u>N</u> | | Y | <u>N</u> | |

Dest codes

(continued)

[illegible]

Priv DN len

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

| | | | | | | | | |
|-----------------------|----------|---|---|---|---|---|---|----|
| Priv DN length | <u>3</u> | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------------|----------|---|---|---|---|---|---|----|

Dial timeout

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

| | | | | | | | |
|---------------------|---|----------|---|---|---|----|----|
| Dial timeout | 3 | <u>4</u> | 5 | 6 | 8 | 10 | 15 |
|---------------------|---|----------|---|---|---|----|----|

Carrier codes

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

| Prefix | DN length (digits) |
|---------------|---------------------------|
| 10 | 3 |
| 101 | 4 |
| | |
| | |
| | |

Pub DN lengths

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

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

Common settings

(Services; Common settings)

Control sets

(Services; Common settings; Control sets)

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

Schedule names

(Services; Common settings; Schedule names)

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

[illegible]

COS pswds

[illegible]

Call log paswds

(Passwords; Call log paswds)

| Set: | Log pswd | Set: | Log pswd | Set: | Log pswd |
|------|----------|------|----------|------|----------|
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
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| | _____ | | _____ | | _____ |
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| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
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| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |
| | _____ | | _____ | | _____ |

Progrming pswds

(Passwords; Progrming pswds)

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

Reg. pswd

(Passwords; Reg. pswd)

| | | |
|---------------|--------------|-------|
| Reg. password | <u>72346</u> | RADIO |
|---------------|--------------|-------|

Hospitality

(Passwords; Hospitality)

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

Time&Date

| | | | | | | | | | |
|-------|-----------|----------|-----------|-------|-----------|--------|-----------|------|-----------|
| Hour: | <u>01</u> | Minutes: | <u>00</u> | Year: | <u>99</u> | Month: | <u>01</u> | Day: | <u>01</u> |
|-------|-----------|----------|-----------|-------|-----------|--------|-----------|------|-----------|

System prgrming

Hunt groups

(System prgrming: Hunt groups)

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

Change DNs

(System prgrming: Change DNs)

(Record Change DNs on page 10.)

Featr settings

(System prgrmg; Featr settings)

System programming, Feature Settings

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

Direct-dial

(System prgrmg; 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 tabl | Use Prime line Use line _____ Pool code_____ Use routing tabl | Use Prime line Use line _____ Pool code_____ Use routing tabl | Use Prime line Use line _____ Pool code_____ Use routing tabl | Use Prime line Use line _____ Pool code_____ Use routing tabl |

CAP assignment

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

| | |
|------|-------------------|
| CAP1 | <u>None</u> _____ |
| CAP2 | <u>None</u> _____ |
| CAP3 | <u>None</u> _____ |
| CAP4 | <u>None</u> _____ |
| CAP5 | <u>None</u> _____ |

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 <u>1</u> 2 3 4 5 6 7 8 9 None |
| Extrnl code | 0 1 2 3 4 5 6 7 8 9 <u>None</u> |
| Direct-dial | <u>0</u> 1 2 3 4 5 6 7 8 9 None |
| Auto DN | <u>None</u> Received # _____ |
| DISA DN | <u>None</u> Received # _____ |

Remote access

(System prgrming; Remote access)

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

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

[illegible]

Registration

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

[illegible]

Radios and Cells

(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 | | | | | | <u>Internal</u> External |
| 0__07 | | Base Station | | | | | | <u>Internal</u> External |
| 0__08 | | Base Station | | | | | | <u>Internal</u> External |
| 0__09 | | Base Station | | | | | | <u>Internal</u> External |
| 0__10 | | Base Station | | | | | | <u>Internal</u> External |
| 0__11 | | Base Station | | | | | | <u>Internal</u> External |
| 0__12 | | Base Station | | | | | | <u>Internal</u> External |
| 0__13 | | Base Station | | | | | | <u>Internal</u> External |
| 0__14 | | Base Station | | | | | | <u>Internal</u> External |
| 0__15 | | Base Station | | | | | | <u>Internal</u> External |
| 0__16 | | Base Station | | | | | | <u>Internal</u> External |
| 0__17 | | Base Station | | | | | | <u>Internal</u> External |
| 0__18 | | Base Station | | | | | | <u>Internal</u> External |
| 0__19 | | Base Station | | | | | | <u>Internal</u> External |
| 0__20 | | Base Station | | | | | | <u>Internal</u> External |
| 0__21 | | Base Station | | | | | | <u>Internal</u> External |
| 0__22 | | Base Station | | | | | | <u>Internal</u> External |
| 0__23 | | Base Station | | | | | | <u>Internal</u> External |
| 0__24 | | Base Station | | | | | | <u>Internal</u> External |
| 0__25 | | Base Station | | | | | | <u>Internal</u> External |
| 0__26 | | Base Station | | | | | | <u>Internal</u> External |
| 0__27 | | Base Station | | | | | | <u>Internal</u> External |
| 0__28 | | Base Station | | | | | | <u>Internal</u> External |
| 0__29 | | Base Station | | | | | | <u>Internal</u> External |
| 0__30 | | Base Station | | | | | | <u>Internal</u> External |
| 0__31 | | Base Station | | | | | | <u>Internal</u> External |
| 0__32 | | Base Station | | | | | | <u>Internal</u> External |

*. Write E if using an external antenna.

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

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

System LID

(System prgrming; Companion; System LID)

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

Rec'd # length

(System prgrming; Rec'd # length)

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

DN length

(System prgrming; DN length)

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

National length

(System prgrming; Nat'nl length)

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

Make / Break

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

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

Business name

(System prgrming; BusName)

| | |
|-----------------|--|
| BusName: | |
|-----------------|--|

CbC limits

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

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

Release reasons

(System prgrming; Release reasons)

| | |
|------------------------|--|
| Release reasons | |
|------------------------|--|

Photocopy pages before using.

Hospitality

(System prgrming; Hospitality)

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

Telco features

VMsG ctr tel#s

(Telco features; VMsG ctr tel#s)

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

ONN blocking

(Telco features; ONN blocking)

| | |
|-------------------|------------------------------------|
| Analog VSC | |
| Tone: | <u>None</u> _____ F78, (0-9), *, # |
| Pulse: | <u>None</u> _____ (0-9) |
| BRI VSC | |
| Code | <u>None</u> _____ F78, (0-9), *, # |

Software keys

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

SysID

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

Companion ID

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

Password keys

(Software keys; Password keys)

Password keys for Companion

| Date | Key 1 | Key 2 | Key 3 | Notes |
|------|-------|-------|-------|-------|
| | | | | |
| | | | | |
| | | | | |

Password keys for ISDN PRI

(Profiles 1 and 4 only)

| Date | Key 1 | Key 2 | Key 3 | Notes |
|------|-------|-------|-------|-------|
| | | | | |
| | | | | |
| | | | | |

Password keys for fixed T1 lines

(Profile 1 only)

| Date | Key 1 | Key 2 | Key 3 | Notes |
|------|-------|-------|-------|-------|
| | | | | |
| | | | | |
| | | | | |

Hardware

Cards on KSU

(Profiles 1 and 4 only)

| | | | | | | |
|----------------|-------------|-----------|-----|--------|--------|--------|
| Cd1-KSU | <u>Loop</u> | T1 | PRI | BRI-ST | BRI-U2 | BRI-U4 |
| Cd2-KSU | <u>Loop</u> | T1 | PRI | BRI-ST | BRI-U2 | BRI-U4 |

(Profiles 2 and 3 only)

| | | | | |
|----------------|-------------|-----------|-------|--------|
| Cd1-KSU | <u>Loop</u> | T1 | BRI-2 | BRI-ST |
| Cd2-KSU | <u>Loop</u> | T1 | BRI-2 | BRI-ST |

If card is a Loop card

| | | | | | |
|---------------------|------|-----|-----|------------|-----|
| Card type | Loop | | | | |
| Lines | | | | | |
| Discon timer | 60 | 100 | 260 | <u>460</u> | 600 |

If card is a T1 card

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

If card is a PRI card

(Profiles 1 and 4 only)

Options 1 and 4 Only

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

If card is a DID card

(Profiles 1, 3 and 4 only)

| | | | | | |
|------------------|-----|--|--|--|--|
| Card type | DID | | | | |
| Lines | | | | | |

If card is an E&M card

| | | | | | |
|---------------------|-----|----------|---|---|---|
| Card type | E&M | | | | |
| Lines | | | | | |
| Answer timer | 1 | <u>2</u> | 3 | 4 | 5 |

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

(for Profiles 1 and 4 only)

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

For S & LT only

(for Profiles 1 and 4 only)

| | |
|--|---|
| Assign DN Show DN: __ | Assigned <u>Availabl</u> *LP__* LP__ |
| Loop DN: __ | <u>None</u> 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 <u>Both</u> |
| DN2: | |
| Call type | Voice Data <u>Both</u> |
| DN3: | |
| Call type | Voice Data <u>Both</u> |
| DN4: | |
| Call type | Voice Data <u>Both</u> |
| DN5: | |
| Call type | Voice Data <u>Both</u> |
| DN6: | |
| Call type | Voice Data <u>Both</u> |
| DN7: | |
| Call type | Voice Data <u>Both</u> |
| DN8: | |
| Call type | Voice Data <u>Both</u> |
| D-packet service (BRI-U2 & BRI-U4) | Y N |
| LPnnn | <u>None</u> S-Lp__ Lt-Lp__ |

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

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

(for Profiles 2 and 3 only)

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

For S

(for Profiles 2 and 3 only)

| | |
|--|---|
| Sampling | Adaptive Fixed |
| Assign DNs Show DN: _ | Assigned Availabl *LP____* LP____ |
| Loop DN: _ | None ISDN DN |

For T

(for Profiles 2 and 3 only)

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

Modules

(for Profile 1 only)

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

Modules

(for Profiles 2, 3 and 4 only)

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

StnMod

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

ASM

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

TrunkMod

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

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

TrunkMod

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

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

TrunkMod

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

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

DataMod

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

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

IDM 200

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

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

BayStack

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

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

SDI

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

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

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

P0902615 Issue 03

[illegible]

Sys Admin Log

(Maintenance; Sys Admin Log)

[illegible]

[illegible]

Template specific defaults

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

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

Terminals&Sets defaults

Line Access

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

Telco features (CLASS assignmnt)

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

Lines defaults

Trunk/Line data (Target lines)

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

Trunk/Line data (Digital and Analog loopstart)

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

Trunk/Line data (Digital and Analog Groundstart)

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

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

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

Trunk/Line data (Digital and Analog DID)

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

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

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

Glossary of programming headings and settings

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

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

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

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

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

| | |
|--|--|
| •• Signal | Select the signal type for an E&M or DID line to match the signal type programmed for the trunk at the other switch. |
| •• ANI number | Select whether the telephone number of the caller will be collected for this E&M or DID line. The digits can then be displayed on Norstar telephones as part of Call Information services. |
| •• DNIS number | Select whether the digits dialed by an external caller on this E&M or DID line will be collected. |
| •• Gain | Select the appropriate gain level for this E&M or DID line. |
| • Name | Enter a name for a line that is up to seven characters long. This name defaults to the line number. |
| • Restrictions | Lets you create and assign restriction filters which prevent a user from making certain kinds of calls using a line. |
| •• Restrtn 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. |
| •••• Restrtn flt 00 | Filter 00 is pre-set with no restrictions. |
| •••• Restrtn flt 01 | First programmable restriction. For each filter, enter up to 99 restrictions. |
| ••••• Deny | Enter the digits you wish to be restricted when this filter is used. |
| ••••• Override 001 | Enter the dialing sequences which are allowed to override this filter, if any. |
| •• Line restrns | Designate restriction filters to the lines assigned to this telephone. |
| ••• Normal ••• Night ••• Evening ••• Lunch ••• Sched 4 ••• Sched 5 ••• Sched 6 | For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules. |
| •• Remote restrns | In this section, you can assign restriction filters that apply only to remote users of the line. |
| •••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6 | For each line assigned to this telephone, enter the number (two-digit) of the restriction filter to apply to remote use during each of the schedules. |
| • Telco features | This programming section lets you assign settings for an external voice message service. |
| •• VMsg center | Assign a VMsg center to be used for voice message service for the line. |

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

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

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

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| •• 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. | Enter the new registration password which lets you register portable telephones to the system. |
| • Hospitality | A programming section that allows to create Hospitality services passwords if required, rather than use the defaults. |
| •• Desk pswd | Enter the new Desk password which gives access to all Hospitality services programming settings. |
| •• Cond pswd | Enter a Condition password which gives certain employees access to the Room condition programming settings in Hospitality services. |
| Time&Date | A programming section that lets you set the system's clock to the correct time and date. |
| System prgrming | A programming section that lets you change system-wide settings. |
| • Hunt groups | A programming section that lets you set up incoming calls on a specific DN to be routed to a group of sets. |
| •• Show group:_ | Enter the DN of the telephone you want to program. |
| ••• Member DNs | Enter the DN of the telephone you want to add to the group. |
| •• Line assignment | Allows you to assign or unassign a line to a particular hunt group. |
| •• Mode: | Allows you to determine how an incoming call will be handled by the hunt group. |
| •• Hunt delay: | Select a delay value to determine how long a set rings before the call moves on the next member set. |
| •• If busy: | Allows you to determine how an incoming call is to be treated when all hunt group member sets are busy. |
| •• Q Timeout: | Allows you to set the number of seconds the incoming call remains in the hunt group call queue before it is offered to the overflow position. |
| •• Overflow: | Enter the DN of the set you want the hunt group overflow calls to be presented. |

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

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

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

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

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

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

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| • Cd2 on KSU | Select the type of card that occupies the second slot in the ICS (The slots are numbered from left to right). If your system is using 4x8 software which has not been upgraded, this setting does not appear. |
| <ul style="list-style-type: none"> •• Mod 03 •• Mod 04 •• Mod 05 •• Mod 06 •• Mod 07 •• Mod 08 •• Mod 09 •• Mod 10 •• Mod 11 •• Mod 12 •• Mod 13 •• Mod 14 | View and program the cards installed in the modules. |
| ••• StnMod | Station Module |
| ••• ASM | Analog Station Module |
| ••• TrunkMod | Trunk Module |
| ••• DataMod | Norstar Integrated Data Module 200 (IDM 200), BayStack or Synchronous Data Interface (SDI) |
| •••• Type | Shows type of data module. You can change the type if no data module is currently attached to the expansion port. |
| •••• IP address | Shows you the IP address for a data module (BayStack only). |
| •••• Fixed access | Allows you to assign Fixed lines to supported data modules (IDM 200, BayStack or SDI). |
| •••• Switched access | Allows you to assign lines used for dial-up network access to the data module (BayStack only). |
| ••••• Line assignment | Allows you to select Fixed lines the data module (BayStack only) uses for switched access. |
| ••••• Line pool access | Allows you to give the data module (BayStack only) line pools access to support switched access. |
| ••••• DataMod NVRAM | Lets you reset the NVRAM of the IDM 200 data module to the factory defaults. |
| ••••• Config | Lets you configure the settings for the SDI. |
| •••••• Ptl | Select the physical interface used to connect the SDI to the data networking equipment. |
| •••••• DS0 rate | Select the transmission rate of the channels (Fixed lines) assigned to the SDI. |
| •••••• TxCk src | Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE. |
| •••••• TxCk invrsn | Invert the signal used by the SDI to synchronize data from the DTE to adjust for round trip delays between the SDI and DTE. |
| •••••• Data invrsn | Inverts data travelling through the SDI before routing it to the T1 connection or DTE to allow the SDI to support HDLC/SDLC (a transmission standard for data) protocol. |

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

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