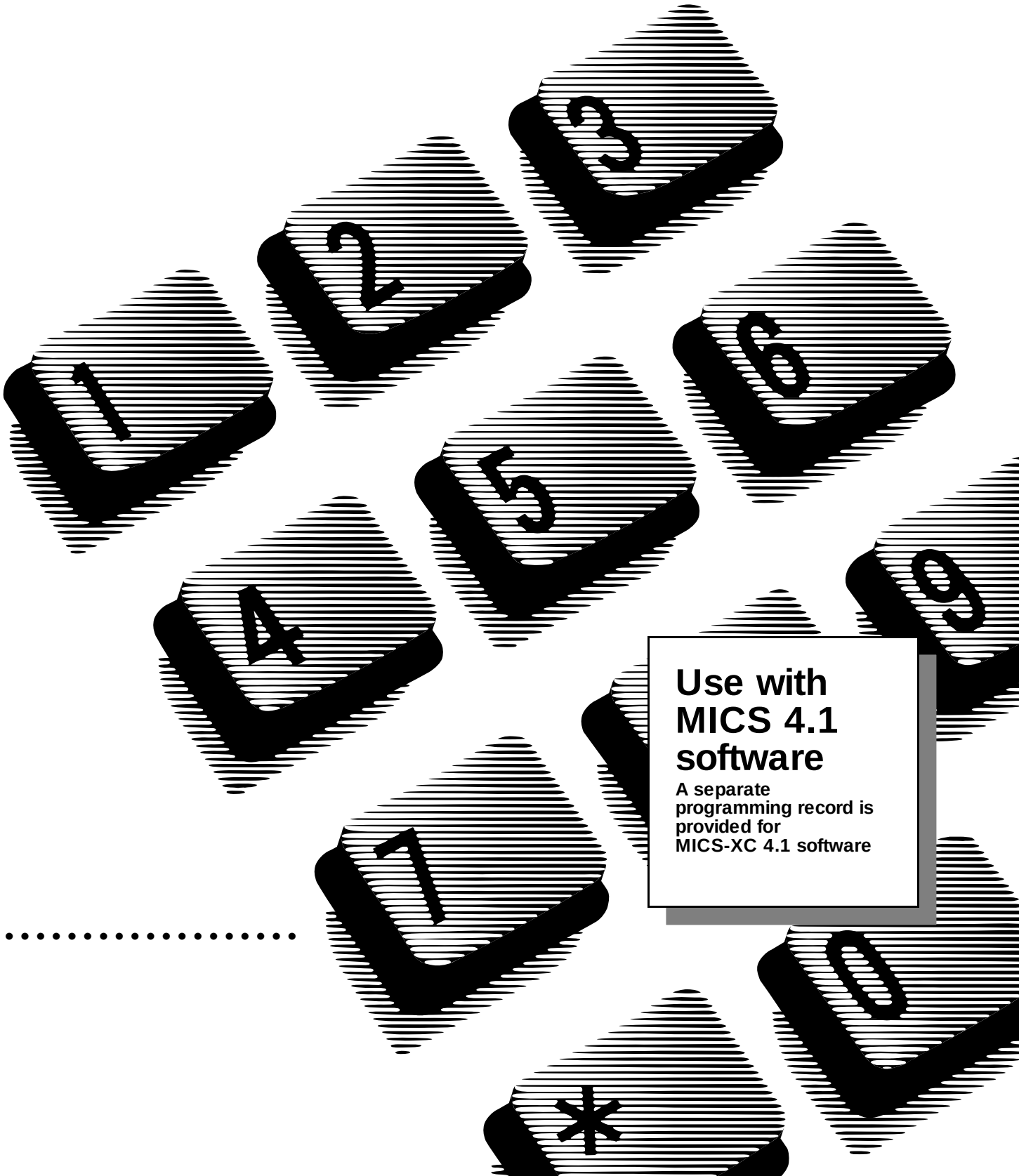
NORTEL NORSTAR

MICS 4.1
Programming Record



Use with MICS 4.1 software

A separate programming record is provided for MICS-XC 4.1 software

Contents

Installed equipment 2

Programming overview (Profiles 1 and 4) 3

Programming overview (Profiles 2 and 3) 6

Installed telephones and other devices 9

Startup 11

Terminals&Sets 11

- Line Access 11
- Template 11
- Start DN 11
- Capabilities 12
- Name 13
- User prefernces 13
  - Button prgrming 13
  - User speed dial 17
- Restrictions 18
  - Restrn filters 18
  - Set restrns 20
  - Line/set restrns 20
- Telco features 20
  - CLASS assignmnt 20
  - 1stDisplay 20
  - Called ID 20
  - Log space 20

Lines 21

- Trunk/Line Data 21
  - If Target Line 21
  - If T1 and Groundstart 21
  - If T1 and Loopstart 22
  - If T1 and E&M 23
  - If T1 and DID 24
  - If BRI-ST (ISDN) 25
  - If BRI-U2, or BRI-U4 ISDN 25
  - If PRI (ISDN) 26
  - If T1 and Fixed 26
- Name 26
- Restrictions 27
  - Line restrns 27

Remote restrns 27
Telco features 27

Services 28
Ringing Service 28
Restrn service 29
Routing service 30
If PRI-A or PRI-B 31
If service type requires service id 31
If Protocol is SL-1 or TIE service type 31
Transparent dialing plan 32
Dest codes 33
Dest codes 34
Priv DN len 35
Dial timeout 35
Carrier codes 35
Pub DN lengths 35
Common settings 36
Control sets 36
Schedule names 36

Sys speed dial 37

Passwords 38
COS pswds 38
Call log paswds 39
Progrming pswds 40

Time&Date 40

System prgrming 41
Hunt groups 41
Change DNs 42
Featr settings 42
Direct-dial 42
CAP assignment 43
Access codes 43
Remote access 44
Rec'd # length 44
DN length 45
Make / Break 45
Business name 45
CbC limits 45
VMSg ctr tel#s 45

ONN blocking 45

Software keys 46
SysID 46
Password keys 46
Password keys for ISDN PRI 46
Password keys for fixed T1 lines 46

Hardware 47
If card is a Loop card 47
If card is a T1 card 47
If card is a PRI card 48
If card is a DID card 48
If card is an E&M card 48
If card is a BRI-U2, BRI-U4 or BRI-ST card 49
If card is a BRI-ST card 50
Modules 50
StnMod 51
ASM 51
TrunkMod 51
DataMod 52
Fixed Access 53

Maintenance 54
System version 54
Sys test log 55
Sys Admin Log 56
Network evt log 57
Template specific defaults 58

Glossary of programming headings and settings 63

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

All defaults (for the Square 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 DNs (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 + delay + setting)
- Call Forward Busy (DN + setting) Priority Calling
- 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
- Receive tones
- ATA ans timer
- MsgIndicate (for ATA)

Telco Features
- Call log set (*Logging set*)
- 1stDisplay

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

User data which will be copied:

Language choice
Ring type
Calls log options (*Auto logging)*
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

Quantity	Equipment
	Integrated Communication System (ICS)
	Modular ICS NVRAM cartridge
	Modular ICS ROM software cartridge
	Cartridge assembly
	Expansion Cartridge 2-port (fiber)
	Expansion Cartridge 6-port (fiber)
	6-port Expansion and IVD Services (Combo card)
	Expansion Cartridge 2-port (copper) (Profile 1 only)
	Expansion Cartridge 6-port (copper) (Profile 1 only)
	Digital Trunk Interface (DTI)
	Trunk Cartridge, Loop Start (ICS or Trunk Module)
	Trunk Cartridge, Loop Start (Trunk Module)
	Trunk Cartridge, E&M/DISA
	Trunk Cartridge, DID
	Trunk Cartridge, CI
	Services Cartridge
	Trunk Module (fiber)
	Trunk Module (copper) (Profile 1 only)
	Station Module (fiber)
	Station Module (copper) (Profile 1 only)
	Remote Power Interconnect
	2-line Basic Rate U I/F line card (Profiles 1 and 4 only)
	4-line Basic Rate U I/F line card (Profiles 1 and 4 only)
	4-line Basic Rate ST I/F line card

Telephones

Quantity	Equipment
	International set (Profile 4 only)
	M7100
	M7208
	M7310
	M7310 with Busy Lamp Field (BLF)
	M7324
	M7324 with 1 central answering position (CAP)
	M7324 with 2 central answering positions (CAP)
	Single-line telephone
	Emergency telephone

Data terminals

Quantity	Equipment
	Analog Terminal Adapter (ATA)

Auxiliary equipment

Quantity	Equipment
	External paging equipment
	External music source
	Station auxiliary power supply
	Auxiliary ringer
	Shoulder rest
	Headset
	CTA 500*dm*
	Norstar Integrated Data Module 200 (IDM 200) (Profile 1 only)
	Synchronous Data Interface (SDI) (Profile 1 only)

Defaults are shown in **bold and underlined**

Programming overview (Profiles 1 and 4)

Startup

- **Template** — Square
- **Start DN** — 221

Terminals&Sets

Show set:_

Line access

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

Capabilities

- Fwd no answer
  - Fwd to — None
  - Forward delay — 4
- Fwd on busy
  - Fwd to — None
- DND on Busy — N
- Handsfree — None
- HF answerback — Y
- Pickup grp — None
- Page zone — 1
- Paging — Y
- D-Dial — Set1
- Priority Call — N
- Hotline — None
  - (if Hotline=Extrnl and number specified) — Use prime line
- Aux. ringer — N
- Allow redirect — N
- Redirect ring — Y
- ATA settings
  - ATA ans timer — 7
  - ATA use — Off site
  - MsgIndicate — None

Name — 221

User preferences

- Model — M7208
- Button prgrming
- User speed dial
- Call log opt'ns — No one answered
- Dialing opt'ns — Standard dial
- Language — English
- Display cntrst — 4
- Ring type — 1

Restrictions

- Restrn filters
  - *Show filter: _*
  - Restn flt 00 — No restrictions
  - Restrn flt 01
    - Restrn 01
      - Deny — 0
      - No overrides
- Set restrns
  - Filters
    - Normal — 02
    - Night — 11
    - Evening — 12
    - Lunch — 13
    - Sched 4 — 00
    - Sched 5 — 00
    - Sched 6 — 00
  - Set lock — None
  - Allow last no — Y
  - Allow saved no — Y
  - Allow link — Y
- Line/set rstrns
  - *Show line:_*
  - Normal — None
  - Night — None
  - Evening — None
  - Lunch — None
  - Sched 4 — None
  - Sched 5 — None
  - Sched 6 — None

Telco features

- CLASS assignmnt
  - *Show line:_*
  - Call log set — N
  - Extl VMsg set — N
- 1st Display — Name
- Called ID — N
- Log space
  - Log — 0 Pool — 600

Lines

Show line:_

Trunk/Line data

(If Target Line)
- Line type — Public
- Rec'd # — None
- PrimeSet — 221
- CLID Set — None

(CLID set for target line is same as set that has appearance on that target line)
- Aux. ringer — N
- If busy — PrimeSet

(If T1 and Loopstart)
- Trunk Type — Loop
- Line type — Pool A
- Dial mode — Tone
- PrimeSet — 221
- CLID Set (analog only) — None
- Auto privacy — Y
- Trunk mode — Unspr
- Ans mode — Manual
- Ans with DISA — Y
- Link at CO (analog only) — N
- Aux. ringer — N
- Full AutoHold — N
- LossPkg — MediumCO

(If T1 and Groundstart)
- Trunk Type — Ground
- Line type — Pool A
- Dial mode — Tone
- PrimeSet — 221
- Auto privacy — Y
- Ans mode — Manual
- Ans with DISA — Y
- Aux. ringer — N

(If T1 and E&M)
- Trunk Type — E&M
- Line type — Pool A
- Dial mode — Tone
- PrimeSet — 221
- Auto privacy — Y
- Ans mode — Manual
- Ans with DISA — Y
- Aux. ringer — N
- Signal — Winkstart
- ANI number — N
- DNIS number — N
- Gain — Normal

(If T1 and DID)
- Trunk Type — DID
- Line type — Pool A
- Dial mode — Tone
- PrimeSet — 221
- Ans mode — Manual
- Ans with DISA — Y
- Link at CO — N
- Aux. ringer — N
- Signal — Winkstart
- ANI number — N
- DNIS number — N
- Gain — Normal

(If T1 and Fixed)
- Trunk Type — Fixed

(If BRI-U2, BRI-U4)
- Trunk Type — BRI-T
- Line type — Pool A
- PrimeSet — 221
- CLID Set — None
- Auto privacy — Y
- Ans mode — Manual
- Ans with DISA — Y
- Aux. ringer — N
- Full AutoHold — N

(If PRI Lines (001 to 023, 025 to 047)
- Trunk Type — PRI
- Line type — PRI-A for 001-023; PRI-B for 025-047
- PrimeSet — 221

Name — Line001

Restrictions

- Restrn filters
  - *Show filter: _*
  - Restn flt 00 — No restrictions
  - Restrn flt 01
    - Restrn 01
      - Deny — 0
      - No overrides
- Line restrns
  - Normal — 03
  - Night — 21
  - Evening — 22
  - Lunch — 23
  - Sched 4 — 00
  - Sched 5 — 00
  - Sched 6 — 00
- Remote restrns
  - Normal — 04
  - Night — 31
  - Evening — 32
  - Lunch — 33
  - Sched 4 — 00
  - Sched 5 — 00
  - Sched 6 — 00

Telco features

- VMsg center — 1

Services

Ringing service

Ringing groups
Show group:_
Ring grp 01
Show set:_
221 **Assigned**
222 **Unassign**
Sched: Night
Service **Off**
Trunk answer **Y**
ExtraDial **221**
Line settings
Show line:_
Ring grp **001**
Aux. ringer **N**
Sched:Evening
Sched:Lunch
Sched:Sched 4
Sched:Sched 5
Sched:Sched 6

Restrn service

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

Routing service

Routes
Show route:_
DialOut **no numbr**
Use: PoolA..., Pool O, PRI-A, PRI-B
(If PRI-A or PRI-B)
SrvcType: **Public**
(If service type is Tie, FX, OUTWATS, requires service id)
Service id:
<valid service id #> **None**
(If Protocol is SL-1 or Tie service type)
DN type: **Public**
Dest codes
Show DstCode:_
DstCode:
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 **7**
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
Use prime line
Display digits **Y**
(if Display digits=N)
Name
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**

Time&Date

Hour **01**
Minutes **00**
Year **99**
Month **01**
Day **01**

System prgrming

Hunt groups

Show group:_
HGnn:<DN>
Member DNs
M001:<DN>...
Appr only,
Appr&Ring,
Ring only
Line assignment
Show line:_
Lnnn: **Unassigned**,
Assigned, *HGn*
Mode: **Broadcast**,
Sequential, Rotary
Hunt delay: 1, 2, 3, **4**, 5, 6, 7, 8, 9, 10
If busy: **BusyTone**,
Overflow, Queue
Q Timeout: 15, 30, 45, **60**, 120, 180
Overflow: <DN> or <hunt group DN>
Name: <7 characters>

Change DNs

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

Featr settings

Backgrnd music **N**
On hold **Tones**
Receiver volume
Use sys volume
Camp timeout **45**
Park timeout **45**
Park mode **Lowest**
Trnsfr callbk **4**
DRT to prime **Y**
DRT delay **4**
Held reminder **N**
Remind delay **60**
Directd pickup **Y**
Page tone **Y**
Page Timeout **180**
Daylight time **Y**
AutoTime&Date **Y**
Call log space
Reset all logs?
Space/log
Host delay **1000**
Link time **600**
AlarmSet **221**
Set relocation **N**
Msg Reply enh **N**
Anskey: **Basic**,
Enhanced, Extended

Direct-dial

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

CAP assignment

CAP1 **None**

Access codes

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

Remote access

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

Rec'd # length **3**

DN length **3**

BusName **None**

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

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

Tone **None**
Pulse **None**

Software keys

(Used to activate ISDN PRI, the Integrated Data Module 200 and SDI)

SysID (8 digits)

Password keys

Key 1 (8 digits)
Key 2 (8 digits)
Key 3 (8 digits)

Hardware

*Show Module:*_
Cards on KSU
Cd1-KSU **Loop**
Card type **Loop**
Lines
Discon timer **460**
(If T1 card)
Card type **T1**
Lines
Discon timer **460**
Answer timer **2**
CO fail **T1A-547A**
I/F levels **ISDN**
Framing **ESF**
Internal CSU **On**
CSU line bld **0**
DSX1 bld **000-100**
Line coding **B8ZS**
Clock Src **Primary**
(If PRI card)
Card type: **PRI**
Lines
(If more than one Protocol)
Protocol **NI-2**
BchanSeq **Descend**
CbC Routing
(If Protocol is DMS-100)
CbC values
FX **None**
800 **None**
(If Protocol is NI-2)
CbC values
FX **None**
800 **None**
(If Protocol is DMS-250)
CbC values
FX **None**
800 **None**
900 **None**
(If Protocol is AT&T-4ESS)
CbC values
FX **None**
800 **None**
I800 **None**
900 **None**
SDS **None**
CO fail **TIA-547A**
I/F levels: **ISDN**
Framing **ESF**
Internal CSU **On**
CSU line bld **0**
Line coding **B8ZS**
Clock Src **Primary**
(If DID card)
Card type **DID**
Lines
(If E&M card)
Card type **E&M**
Lines
Answer timer **2**
(If BRI card)
Card type
Loops
Loop aaa
Type **T**
Protocol
Sampling **Fixed**
(For S and LT)
Assign DNs
*Show DN:*_ **Availabl**
Loop DN:_ **None**
(For T & NT)
SPIDn
# of B-channls **1**
Network DNs
DN1
Call type **Both**
D-packet service
D-packet servc
LPnnn **None**
TEIs
TEI
Clock Src **Primary**
(If DataMod=IDM 200 or BayStack)
Type **IDM 200**
IP address
Fixed access
Switched access
Line assignment
Show line:_
L001:**Unassigned**
Dial-In:**None**
LinePool access
LinePool PRI-A: **N**
L001:**Unassigned**
DataMod NVRAM
(If DataMod=SDI)
Type SDI
Config
Ptl **V.35**
DS0 rate **64k**
TxClk src **Auto**
TxClk invrsn **Off**
Data invrsn **Off**
Fixed access
*Show line:*_
L001:**Unassigned**
L001:Channel:xx
Lp state **None**
Lpbk **Off**
Cd2-KSU **Loop**
Mod 03 **StnMod**
Mod 04 **StnMod**
Mod 05 **StnMod**
Mod 06 **StnMod**
Mod 07 **StnMod**
Mod 08 **StnMod**

Maintenance

System version

Port/DN status

Module status

Sys test log

Sys admin log

Network evt log

Provisioning

Tests

CSU stats

Link status

Usage Metrics

Hunt groups

Call by call

Defaults are shown in **bold and underlined**

Programming overview (Profiles 2 and 3)

Startup

- Template: Square
- Start DN: 221

Terminals&Sets

Show set:_

Line access

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

Capabilities

- Fwd no answer
  - Fwd to: None
  - Forward delay: 4
- Fwd on busy
  - Fwd to: None
- DND on Busy: N
- Handsfree: None
- HF answerback: Y
- Pickup grp: None
- Page zone: 1
- Paging: Y
- D-Dial: Set1
- Priority Call: N
- Hotline: None
  - (if Hotline=Extrnl and number specified): Use prime line
- Aux. ringer: N
- Allow redirect: N
- Redirect ring: Y
- ATA settings
  - ATA ans timer: 7
  - ATA use: Off site
  - MsgIndicate: None

Name: 221

User preferences

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

Restrictions

- Restrn filters
  - *Show filter: _*
  - Restn flt 00: No restrictions
  - Restrn flt 01
  - Restrn 01
  - Deny: 0
  - No overrides
- Set restrns
  - Filters
  - Normal: 02
  - Night: 11
  - Evening: 12
  - Lunch: 13
  - Sched 4: 00
  - Sched 5: 00
  - Sched 6: 00
  - Set lock: None
  - Allow last no: Y
  - Allow saved no: Y
  - Allow link: Y
- Line/set rstrns
  - *Show line:_*
  - Normal: None
  - Night: None
  - Evening: None
  - Lunch: None
  - Sched 4: None
  - Sched 5: None
  - Sched 6: None

Telco features

- CLASS assignmnt
  - *Show line:_*
  - Call log set: N
  - Extl VMsg set: N
- 1st Display: Name
- Called ID: N
- Log space
  - Log: 0 Pool: 600

Lines

Show line:_

Trunk/Line data

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

Name: Line001

Restrictions

- Restrn filters
  - *Show filter: _*
  - Restn flt 00: No restrictions
  - Restrn flt 01
  - Restrn 01
  - Deny: 0
  - No overrides
- Line restrns
  - Normal: 03
  - Night: 21
  - Evening: 22
  - Lunch: 23
  - Sched 4: 00
  - Sched 5: 00
  - Sched 6: 00
- Remote restrns
  - Normal: 04
  - Night: 31
  - Evening: 32
  - Lunch: 33
  - Sched 4: 00
  - Sched 5: 00
  - Sched 6: 00

Telco features

- VMsg center: 1

Services

Ringing service

- Ringing groups
  - *Show group:_*
  - Ring grp 01
  - *Show set:_*
  - 221: Assigned
  - 222: Unassign

Sched: Night
- Service **Off**
- Trunk answer **Y**
- ExtraDial **221**
- Line settings
- *Show line:_*
  - Ring grp **001**
  - Aux. ringer **N**

Sched:Evening
Sched:Lunch
Sched:Sched 4
Sched:Sched 5
Sched:Sched 6

Restrn service

Sched:Night
- Service **Off**

Sched:Evening
Sched:Lunch
Sched:Sched 4
Sched:Sched 5
Sched:Sched 6

Routing service

Routes
- *Show route:_*
- DialOut **no numbr**
- Use: PoolA..., Pool O,
- Dest codes
- *Show DstCode:_*
- DstCode:
- Normal **000**
  - Digit absorb **All**
- Night **None**
  - Digit absorb **All**

Sched:Night
- Service **Off**
- Overflow **N**

Sched:Evening
Sched:Lunch
Sched:Sched 4
Sched:Sched 5
Sched:Sched 6

Common settings

Control sets
- For lines
- *Show line:_*
  - L001 **221**
- For sets
- *Show set:_*
  - 221 **221**

Schedule names
- Sched 1 **Night**
- Sched 2 **Evening**
- Sched 3 **Lunch**
- Sched 4 **Sched 4**
- Sched 5 **Sched 5**
- Sched 6 **Sched 6**

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

Sys speed dial

Speed dial #:_
- 01: No number
- Use prime line
- Display digits **Y**
  - (if Display digits=N)
- Name
- 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**

Time&Date

- **Hour** **01**
- **Minutes** **00**
- **Year** **99**
- **Month** **01**
- **Day** **01**

System prgrming

Hunt groups

Show group:_
- HGnn:<DN>
  - Member DNs
    - M001:<DN>...
      - Appr only,
      - **Appr&Ring**,
      - Ring only
  - Line assignment
    - Show line:_
    - Lnnn: **Unassigned**,
    - Assigned, *HGn*
  - Mode: **Broadcast**, Sequential, Rotary
  - Hunt delay: 1, 2, 3, **4**, 5, 6, 7, 8, 9, 10
  - If busy: **BusyTone**, Overflow, Queue
  - Q Timeout: 15, 30, 45, **60**, 120, 180
  - Overflow: <DN> or <hunt group DN>
  - Name: <7 characters>

Change DNs

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

Featr settings

- Backgrnd music **N**
- On hold **Tones**
- Receiver volume **Use sys volume**
- Camp timeout **45**
- Park timeout **45**
- Park mode **Lowest**
- Trnsfr callbk **4**
- DRT to prime **Y**
- DRT delay **4**
- Held reminder **N**
- Remind delay **60**
- Directd pickup **Y**
- Page tone **Y**
- Page Timeout **180**
- Daylight time **Y**
- AutoTime&Date **Y**
- Call log space
  - Reset all logs?
  - Space/log
- Host delay **1000**
- Link time **600**
- AlarmSet **221**
- Set relocation **N**
- Msg Reply enh **N**
- Anskey: **Basic**, Enhanced, Extended

Direct-dial

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

CAP assignment

- CAP1 **None**

Access codes

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

- Park prefix **1**
- Extrnl code **None**
- Direct-dial **0**
- Auto DN **None**
- DISA DN **None**

Remote access

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

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

Rec'd # length **3**

DN length **3**

Mk /Br: **40 / 60**

BusName **None**

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

Tone	None
Pulse	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)	
Card type	DID
Lines	
(If E&M card)	
Card type	E&M
Lines	
Answer timer	2
(If BRI card)	
Card type	BRI-ST
Loops	
Loop aaa	
(For T type)	
Clock Src	Primary
Ovlap receiving	N
Public digit length	8
(For S type)	
Sampling	Adaptve
Assign DNs	
Show DN:_ Availabl	
Loop DN:_	None
Cd2-KSU	Loop
Mod 03	StnMod
Mod 04	StnMod
Mod 05	StnMod
Mod 06	StnMod
Mod 07	StnMod
Mod 08	StnMod

Maintenance

- System version
- Port/DN status
- Module status
- Sys test log
- Sys admin log
- Network evt log
- Provisioning
- Tests
- CSU stats
- Link status

Usage Metrics

- Hunt groups
- Call by call

To record additional information, photocopy this page before using.

Installed telephones and other devices

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

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

Photocopy pages before using.

Startup

Template	**Square** Centrex Hybrid PBX DID
Start DN	**221** ___________________________

Terminals&Sets

Line Access

(Terminals&Sets: Line access)

Sets: (max. 7 digits)								
Line assignment	001 A R	001 A R	001 A R	001 A R	001 A R	001 A R	001 A R	001 A R
	002 A R	002 A R	002 A R	002 A R	002 A R	002 A R	002 A R	002 A R
List 3 digit line number and circle line assignment.	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
AR = Appear&Ring	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
A = Appear only	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
R = Ring only	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
blank = Unassigned	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R	_ _ _ A R
Appearances (DID Lines only)	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____	1 _____
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	PRI-A PRI-B **A** B C D E F G H I J K L M N O
Prime Line	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____	None **I/C** Line # __ Pool ____

Intercom Keys	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8	0 1 **2** 3 4 5 6 7 8
Answer DNs Enter DNs of sets to be answered and circle Answer DN type. AR = Appear&Ring A = Appear only blank = Unassigned	A R A R A R A R	A R A R A R A R	A R A R A R A R	A R A R A R A R	A R A R A R A R	A R A R A R A R	A R A R A R A R	A R A R A R A R
OLI#	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____	**None** _____

Capabilities

(Terminals&Sets: Capabilities)

Sets: (max. 7 digits)								
Fwd no answr	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:
Fwd delay	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10	2 3 **4** 6 10
Fwd on busy	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:	**None** to:
DND on Busy	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Handsfree	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**	Auto Std **None**
HF answerback	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
Pickup grp	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**	1 2 3 4 5 6 7 8 9 **None**
Page zone	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None	**1** 2 3 4 5 6 None
Paging	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
D-Dial	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None	**Set1** Set __ None
Priority call	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Hotline	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___	**None** Intrnl# ___ Extrnl# ___
Use Hotline on: (If Hotline = Extrnl)	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:	**Use prime line** Use line #: __ Pool code: Use routing tabl:
Aux. ringer	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Allow redirect	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**
Redirect ring	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N	**Y** N
ATA settings ATA ans timer	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10	3 5 **7** 10
ATA use	On site **Off site**	On site **Off site**	On site **Off site**	On site **Off site**	On site **Off site**	On site **Off site**	On site **Off site**	On site **Off site**
MsgIndicate	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp	**None** Tone Lamp

Name

(Terminals&Sets: Name)

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

User prefernces

(Terminals&Sets: User preferences)

Model	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA	Intl Set (Profile 4) M7324 M7310 **M7208** M7100 CAP ATA
Button prgrming	Record button programming starting on page 13							
User speed dial	Record user speed dial numbers starting on page 17							
Call log opt'ns	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...	Log all calls... No autolog-ging... **No one answerd...** Unanswerd by me...
Dialing opt'ns	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial	**Standard dial** Pre-dial Automatic dial
(Profiles 1, 3 and 4) Language Langue Idioma	**English** Français Español	**English** Français Español	**English** Français Español	**English** Français Español	**English** Français Español	**English** Français Español	**English** Français Español	**English** Français Español
(Profile 2 only) Language Langue Idioma	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish	**English** German Español Turkish
Display cntrst	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9	1 2 3 **4** 5 6 7 8 9
Ring type	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4	**1** 2 3 4

Button prgrming

International set	Prgrming	Default
B01		Conf
B02		Transfer
B03		Call Fwd
B04		Last No.

M7100	Prgrming	Default
B01		Last No.

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

M7324	Prgrming	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	Prgrming	Default
B01		DND
B02		Transfer
B03		Call Fwd
B04		Grp Pickup
B05		Page Gmr
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	Prgrming	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

User speed dial

(Terminals&Sets: User speed dial)

Spd# (71-94)	**Speed dial number** (max. 24 digits)	**Use prime line** Use line: ____	Pool code ____ Use routing tabl

Restrictions

(Terminals&Sets: Restrictions)

Restrn filters

(Terminals&Sets: Restrictions; Restrn filters)
(This table shows defaults in bold and underlined)

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

Restrn filters - continued

(Terminals&Sets: Restrictions; Restrn filters))

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

Set restrns

(Terminals&Sets; Restrictions; Set restrns)

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

Line/set restrns

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

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

Telco features

(Terminals&Sets:Telco features)

CLASS assignmnt

(Terminals&Sets;Telco features; CLASS assignmnt)

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

1stDisplay

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

	Name Numbr Line	**Name** Numbr Line	**Name** Numbr Line	**Name** Numbr Line	**Name** Numbr Line	**Name** Numbr Line	**Name** Numbr Line	**Name** Numbr Line

Called ID

(Terminals&Sets;Telco features;Called ID)

	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**	Y **N**

Log space

(Terminals&Sets;Telco features; Log space)

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

Photocopy pages before using.

Lines

Trunk/Line Data

(Lines; Trunk/Line Data)

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

If Target Line

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

If T1 and E&M

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

If T1 and DID

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

If BRI-ST (ISDN)

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

If BRI-U2, or BRI-U4 ISDN

(Profiles 1 and 4 only)

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

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	03	03	03	03
Night	21	21	21	21
Evening	22	22	22	22
Lunch	23	23	23	23
Sched 4	00	00	00	00
Sched 5	00	00	00	00
Sched 6	00	00	00	00

Remote restrns

(Lines; Restrictions; Remote restrns)

Normal	04	04	04	04
Night	31	31	31	31
Evening	32	32	32	32
Lunch	33	33	33	33
Sched 4	00	00	00	00
Sched 5	00	00	00	00
Sched 6	00	00	00	00

Telco features

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

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

Photocopy pages before using.

Services

Ringing Service

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

Ring grp:			Ring grp:			Ring grp:		
221			221			221		

Ring grp:			Ring grp:			Ring grp:		
221			221			221		

Ring grp:			Ring grp:			Ring grp:		
221			221			221		

Ringing Service

(Services; Ringing Service) (continued)

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

Restrn service

(Services: Restrn service)

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

Routing service

(Services; Routing service)

Route # (001-999)	**DialOut** (if required) (max. 24 digits or characters)	**Use pool** (Pools PRI-A and PRI-B are only used by Profiles 1 and 4)
		A B C D E F G H I J K L M N O PRI-A PRI-B
		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 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 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 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 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 PRI-A PRI-B
		A B C D E F G H I J K L M N O PRI-A PRI-B

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 I800 900 SDS

If service type requires service id

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

ServiceID: <valid service id #>	None

If Protocol is SL-1 or TIE service type

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

DN type:	Public Private

Transparent dialing plan

(Services; Routing service)

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

Dest codes

(Services; Routing service; Dest codes)

Service Schedule name (max. 7 char)	Normal Rte _____		Night Rte _____		Evening Rte _____		Lunch Rte _____	
DstCode (max. 7 digits)	Use route (001-999)	Digit Absorb length	Use route (001-999)	Digit Absorb length	Use route (001-999)	Digit Absorb length	Use route (001-999)	Digit Absorb length
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
	000	**All**		**All**		**All**		**All**
Service	**Off** Auto Manual		**Off** Auto Manual		**Off** Auto Manual		**Off** Auto Manual	
Overflow	Y **N**		Y **N**		Y **N**		Y **N**	

Dest codes
(continued)

Service Schedule name (max. 7 char)	Sched 4 Rte _____		Sched 5 Rte _____		Sched 6 Rte _____	
DstCode (max. 7 digits)	Use route (001-999)	Digit Absorb length	Use route (001-999)	Digit Absorb length	Use route (001-999)	Digit Absorb length
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
		All		**All**		**All**
Service	**Off** Auto Manual		**Off** Auto Manual		**Off** Auto Manual	
Overflow	Y **N**		Y **N**		Y **N**	

Priv DN len

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

Priv DN length	3 4 5 6 7 8 9 10

Dial timeout

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

Dial timeout	**3** **4** 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 *(Cannot remove)*	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: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _		
	Line: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _	Line: _ _ _ Control set: _ _ _		
For sets (for more than 24 sets, enter a range of sets or photocopy this table)	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _
	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _
	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _
	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _	Set: _ _ _ Control set: _ _ _

Schedule names

(Services; Common settings; Schedule names)

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

Sys speed dial

Speed dial #: (01-70)	Number to dial (max. 24 digits)	Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	Display digits	Name (max. 16 char.) Default is speed dial code	Bypass restr'n
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**
		Use prime line Pool code:___ Use routing tabl:___ Use Line: ___	**Y** N		Y **N**

Passwords

COS pswds

(Passwords; COS pswds)

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

Call log paswds

(Passwords; Call log pswds)

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

Progrming pswds

(Passwords; Progrming pswds)

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

Time&Date

Hour:	Minutes:	Year:	Month:	Day:
01	00	99	01	01

Photocopy pages before using.

System prgrming

Hunt groups

(System prgrming: Hunt groups)

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

Change DNs

(Record Change DNs on page 9.)

Featr settings

(System prgrming; Featr settings)

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

Direct-dial

(System prgrming; Direct-dial)

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

CAP assignment

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

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

Access codes

(System prgrming;Access codes)

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

Remote access

(System prgrming; Remote access)

Remote access Pkg #	Line pool access	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: _ _

Rec'd # length

(System prgrming; Rec'd # length)

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

DN length

(System prgrming; DN length)

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

Make / Break

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

Mk / Br	**40 / 60** 30 / 70

Business name

(System prgrming; BusName)

BusName:	_____

CbC limits

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

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

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)

Tone:	_____ F78, (0-9), *, #
Pulse:	_____ (0-9)

Software keys

(Used to activate ISDN PRI, and allow Fixed T1 as a line option for use with IDM 200 and SDI.)
(Not used with Profiles 2 and 3.)

SysID

(8 digits)

SysID: <8 digits>:_____

Password keys

(Software keys; Password keys)

Password keys for ISDN PRI

Date	Key 1	Key 2	Key 3	Notes

Password keys for fixed T1 lines

Date	Key 1	Key 2	Key 3	Notes

Hardware

Cards on KSU

(Profiles 1 and 4 only)

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

(Profiles 2 and 3 only)

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

If card is a Loop card

Card type	Loop					
Lines						
Discon timer	60	100	260	**460**	600	

If card is a T1 card

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

If card is a PRI card

(Profiles 1 and 4 only)

Card type	PRI				
Lines					
Protocol *protcl* (Not shown if only one protocol available)	NI-2	DMS100	DMS250	4ESS	SL-1
BchanSeq (Default is Descend unless SL-1 Master)	Ascend	Descend			
CbC Routing					
FX (Only shown for: NI-2, DMS-100, and DMS-250)	None	All	Map table		
800 (Only shown for: NI-2, DMS-100, DMS-250, and 4ESS)	None	All	Map table		
I800 (Only shown for: 4ESS)	None	All	Map table		
900 (Only shown for: DMS-250, and 4ESS)	None	All	Map table		
SDS (Only shown for: 4ESS)	None	All	Map table		
Type (User prompt only shown when Procol is SL-1)	**Slave**		Master	User	
CO fail	TIA547A		TR62411		
I/F levels	ISDN		PSTN	ISD/TT	
Framing	ESF		SF		
Internal CSU	On		Off		
CSU line bld	0	*7.5*	15		
Line coding	B8ZS		AMI		
ClockSrc	Primary		Secndry	TimMstr	

If card is a DID card

Card type	DID
Lines	

If card is an E&M card

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

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

(Profiles 1 and 4 only)

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

For S & LT only

(Profiles 1 and 4 only)

Assign DNs **Show DN:__**	Assigned	**Availabl**	*LP___*	LP___
Loop DN:_	**None**	ISDN DN		

For T & NT only

(Profiles 1 and 4 only)

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

TEIs (0-63)				
ClockSrc (On core only)	Primary	Secndry	TimMstr	

If card is a BRI-ST card

(Profiles 2 and 3 only)

Card type	**BRI-ST**			
Loops				
Loop Type Type	S **T**			

For S

(Profiles 2 and 3 only)

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

For T

(Profiles 2 and 3 only)

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

Modules

(Profiles 1 and 4 only)

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

Modules

(Profiles 2 and 3 only)

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

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 systems.)

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

TrunkMod

(Profiles 2 and 3 only) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)

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

Cd1-Mod8	**Loop**	E&M	DID	BRI-ST
Cd2-Mod8	**Loop**	E&M	DID	BRI-ST
Cd3-Mod8	**Loop**	E&M	DID	BRI-ST

DataMod

(Profiles 1 and 4 only) For IDM 200 programming, also see the Norstar Integrated Data Module 200 Installer Guide.)

Type:	**IDM200** SDI

For IDM 200 only

IP address:	__ __ __ . __ __ __ . __ __ __ . __ __ __
Fixed access	See "Fixed access" table
Switched access **Data Module ____**	Line assignment Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____
Data Module ____	Line assignment Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____ Line ____ Dial-In _____
DataMod NVRAM	**Reset NVRAM now?** (Selecting Yes will reset NVRAM to factory defaults)

For SDI only

(Profiles 1 and 4 only) (For SDI programming, also see the *Synchronous Data Interface Installation Guide*.

Config					
Ptl:	**V.35**	RS232	RS449	EIA530	EIA-530A
DS0 rate:	**64k**	56k			
TxClk src:	Auto	DTE	DCE		
TxClk invrsn	On	**Off**			
Data invrsn:	On	**Off**			
Fixed access	See "Fixed Access" table				
Lp state:<current state> **Lpbk**	Off	man DTE	man DS30	auto DTE	

Fixed Access

Type:	Data Module ____		Data Module ____	
	IDM200 SDI		**IDM200** SDI	
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____
Interface ___ (IDM 200 only)	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____	Line ____ Channel ____ Line ____ Channel ____ Line ____ Channel ____

Maintenance

System version

(Maintenance; System version)

System Version	Port/DN Status
SP:	Device:
	Device:
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Sys test log

(Maintenance; Sys test log)

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

Sys Admin Log

(Maintenance; Sys Admin Log)

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

Network evt log

(Maintenance; Network evt log)

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

Template specific defaults

For the Norstar MICS 4.1 system, the Square template is the default template. The Square default values are used throughout the Programming Record. The Centrex, Hybrid, PBX and DID template are also available as an option at startup.

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

Terminals&Sets defaults

Line Access

Setting	Square	Centrex	Hybrid	PBX	DID
Line assignment	Set 221 Lines 001 to 002: Appear & Ring other sets Lines 001 to 002: Appear & Ring	Set 221 Line <nnn> † Appear & Ring	Set 221 Line 001: Appear & Ring other sets Line 001: Appear only	Set 221 All lines: Unassigned other sets All lines: Unassigned	Set 221 All external lines: Unassigned other sets All lines: Unassigned
	Target lines 145 to 272: Unassigned				Target lines 145 to 272: Ring only
Line pool access	Pool A to O: N		Pool A: Y Pool B to O: N		
Prime line	None	Line <nnn> †	I/C		

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

Restrictions

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

Telco features (CLASS assignmnt)

Setting	Square	Centrex	Hybrid	PBX	DID
Call log set	N	Y	Set 221: Y other sets: N	N	default target line: Y other lines: N
Extl VMsg set	N				default target line: Y other lines: N

Lines defaults

Trunk/Line data (Target lines)

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

Trunk/Line data (Digital and Analog loopstart)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 024: Pool A 025 to 048: Pool B 049 to 052: Pool C 053 to 056: Pool D 057 to 060: Pool E 061 to 064: Pool F 065 to 068: Pool G 069 to 072: Pool H 073 to 076: Pool I 077 to 080: Pool J 081 to 084: Pool K 085 to 088: Pool L 089 to 092: Pool M 093 to 096: Pool N 097 to 100: Pool O 101 to 124: Public 125 to 144: Public 145 to 336: Public		Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (Digital and Analog Groundstart)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 024: Pool A 025 to 048: Pool B 049 to 052: Pool C 053 to 056: Pool D 057 to 060: Pool E 061 to 064: Pool F 065 to 068: Pool G 069 to 072: Pool H 073 to 076: Pool I 077 to 080: Pool J 081 to 084: Pool K 085 to 088: Pool L 089 to 092: Pool M 093 to 096: Pool N 097 to 100: Pool O 101 to 124: Public 125 to 144: Public 145 to 336: Public		Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

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

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 024: Pool A 025 to 048: Pool B 049 to 052: Pool C 053 to 056: Pool D 057 to 060: Pool E 061 to 064: Pool F 065 to 068: Pool G 069 to 072: Pool H 073 to 076: Pool I 077 to 080: Pool J 081 to 084: Pool K 085 to 088: Pool L 089 to 092: Pool M 093 to 096: Pool N 097 to 100: Pool O 101 to 124: Public 125 to 144: Public 145 to 336: Public		Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Trunk/Line data (Digital and Analog DID)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 024: Pool A 025 to 048: Pool B 049 to 052: Pool C 053 to 056: Pool D 057 to 060: Pool E 061 to 064: Pool F 065 to 068: Pool G 069 to 072: Pool H 073 to 076: Pool I 077 to 080: Pool J 081 to 084: Pool K 085 to 088: Pool L 089 to 092: Pool M 093 to 096: Pool N 097 to 100: Pool O 101 to 124: Public 125 to 144: Public 145 to 336: Public		Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

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

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 024: Pool A 025 to 048: Pool B 049 to 052: Pool C 053 to 056: Pool D 057 to 060: Pool E 061 to 064: Pool F 065 to 068: Pool G 069 to 072: Pool H 073 to 076: Pool I 077 to 080: Pool J 081 to 084: Pool K 085 to 088: Pool L 089 to 092: Pool M 093 to 096: Pool N 097 to 100: Pool O 101 to 124: Public 125 to 144: Public 145 to 336: Public		Lines Pool 001 to 024: Pool A 025 to 048: Public 049 to 336: Public

Restrictions

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

Services defaults

Access codes

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

Glossary of programming headings and settings

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

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.
• 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 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 answr DN is assigned.
•• Fwd on busy	Redirect all incoming calls when this telephone is busy with another call.
••• Fwd to	Enter 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 7 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 6 9) can be refused by the person whose call you are trying to interrupt using Do Not Disturb (Feature 8 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 Handsfree Mute . Choose Intrnl to enter an internal Norstar telephone as the hotline. Choose Extrnl to enter an external telephone as the hotline.
•• **Aux. ringer**	Select whether an auxiliary ringer (if installed) will ring for incoming calls at this telephone.
•• **Allow redirect**	Select whether to allow this telephone to redirect its lines.
•• **Redirect ring**	Select whether a telephone rings briefly when a call on one of its lines is redirected by the Line Redirection feature (Feature 8 4).
•• **ATA settings**	Analog telephones or other devices which are connected to the ICS using an Analog Terminal Adapter (ATA) may need the additional programming found under this 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 prefernces**	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 5).
••• **Allow saved no**	Select whether a telephone can use Saved Number Redial (Feature 6 7).
••• **Allow link**	Select whether a telephone can use Link (Feature 7 1) to access the features of a private branch exchange.
•• **Line/set rstrns**	Assign restriction filters to certain lines on each set in your system.
••• **Show line:_**	Select the line on this telephone for which the restriction will apply.
•••• **Normal** •••• **Night** •••• **Evening** •••• **Lunch** •••• **Sched 4** •••• **Sched 5** •••• **Sched 6**	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
• **Telco features**	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 8 3).
•• Trunk mode	Select whether the line operates with disconnect supervision. Auto answer and DISA lines must be supervised. This setting does not appear for target lines.
•• Ans mode	Select whether the line will be answered manually (normal call answering method) or automatically by the system. Auto answer allows remote access to your Norstar system. This setting only appears if Trunk mode is supervised.
•• Ans with DISA	Select whether a line programmed for auto answer will be answered with Direct Inward System Access (DISA) or with system dial tone. This setting only appears if Ans mode is Auto. This setting does not appear for target lines.
•• Link time	Select the duration of a signal (such as recall or flash) required to access a feature through a remote system.
•• Link at CO	Select whether the system applies the restrictions on outgoing calls to the digits dialed after the Link signal (a host signalling option).
•• Aux. ringer	Select whether an auxiliary ringer (if installed) will ring for incoming calls on this specific line.
•• Full AutoHold	Select whether an idle line will be put on hold when another line is selected. This setting does not appear for target lines.
•• LossPkg	Select the appropriate loss/gain and impedance package for analog loop lines only. Select the package based on the terminating switch type (PBX or CO) and the distance from the switch (Short, Medium or Long). This setting only appears if Cd1-KSU is Loop. It does not appear for target lines.
•• Rec'd #	Enter the Received number for this target line. When the system automatically answers an incoming call on auto-answer Loopstart or digital lines, it collects the number of digits specified by the Rec'd # length setting, matches these digits to a Received number, and routes the call to the appropriate target line. A Received number cannot be the same as, or be the start digits of a line pool access code, a destination code, the DISA DN, or the Auto DN.
•• Signal	Select the signal type for an E&M or DID line to match the signal type programmed for the trunk at the other switch.
•• ANI number	Select whether the telephone number of the caller will be collected for this E&M or DID line. The digits can then be displayed on Norstar telephones as part of Call Information services.
•• DNIS number	Select whether the digits dialed by an external caller on this E&M or DID line will be collected.
•• Gain	Select the appropriate gain level for this E&M or DID line.

• **Name**	Enter a name for a line that is up to seven characters long. This name defaults to the line number.
• **Restrictions**	Lets you create and assign restriction filters which prevent a user from making certain kinds of calls using a line.
•• **Restrn filters**	These are sets or groups of restrictions and associated overrides that specify the external numbers or feature codes that cannot be dialed from a telephone or line.
••• **Show filter:_**	Enter the two-digit filter number.
•••• **Restrn flt 00**	Filter 00 is pre-set with no restrictions.
•••• **Restrn flt 01**	First programmable restriction. For each filter, enter up to 99 restrictions.
••••• **Deny** ••••• **Override 001**	Enter the digits you wish to be restricted when this filter is used. 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 LIST 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.
• **Restrn service**	Programming section where you can select the method for activating alternate restrictions.
•• **Sched:Night**	In this section you can indicate how alternate call routing should be activated for each of the schedules.
••• **Service**	Select how you want your service activated.
•• **Sched:Evening** •• **Sched:Lunch** •• **Sched:Sched 4** •• **Sched:Sched 5** •• **Sched:Sched 6**	Set up activation method for each of these settings, as you have with Night sched.
• **Routing service**	A programming section that lets you create up to 500 destination codes and 999 routes to provide a dialing plan or for "least cost routing".
•• **Routes**	Create the routes to be used when a destination code is dialed.
••• **Show route:_**	Enter the number of the route you want to create.
•••• **DialOut**	Enter the number (up to 24 digits or characters) you want this route to dial out (if required).
•••• **Use**	Select the line pool you want this route to use.
•• **Dest codes**	Define which routes are used when a destination code is dialed.

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

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

••• Line flt	Select whether a Class of Service password will use the default line filter or a different line filter (enter the two-digit filter number).
••• Remote pkg	Select whether a Class of Service password will use the default remote package or a different remote package (enter the two-digit remote package number).
• Call log pswds	A programming section that allows you to clear any Call Log password programmed with the Call Log feature.
•• Show set:_	Enter the DN of the telephone you want to program.
••• Log pswd	Erase the call log password for this telephone.
• 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.
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.
•• Name:	Enter the name of the hunt group.
• Change DNs	Change the DN of a telephone. All DNs must be the same length. The first digit of a new DN cannot be the same as the external line access code, the Call Park prefix, the Direct-dial digit, or the first digit of a line pool access code. If you change an individual DN, you must quit programming for the change to take effect. If you have additional programming to do, quit and then begin a new programming session.
• Featr settings	These settings can be changed or activated to suit specific telephones.
•• Backgrnd music	Select whether users can listen to music through their telephone speaker using the Background Music feature (Feature 8 6). A music source must be connected to the ICS.
•• On hold	Select whether a caller on hold hears music (from a source such as a radio connected to the ICS), periodic tones, or silence.
•• Receiver volume	Select whether the volume of a telephone receiver/headset automatically resets to the system default level, or retains the level set at the telephone.

•• **Camp timeout**	Select the number of seconds a call can remain camped before it returns to the telephone that camped it.
•• **Park timeout**	Select the number of seconds a call on an external line can remain parked before it returns to the telephone that parked it.
•• **Park mode**	Select whether the system will use Call Park codes in a sequence from lowest to highest, or use the lowest numbered code that is available when the call is parked.
•• **Trnsfr callbk**	Select the number of times a transferred call rings before it returns to the telephone that transferred it.
•• **DRT to prime**	Select whether to automatically transfer unanswered external calls to a prime telephone.
•• **DRT delay**	Select the number of times a call rings before Delayed Ring Transfer transfers it to a prime telephone. This setting only appears if DRT to prime is Yes.
•• **Held reminder**	Select whether the telephone reminds you when a call is on hold.
•• **Remind delay**	Select the number of seconds before the telephone reminds you that a call is on hold. The setting only appears if Held reminder is Yes.
•• **Directd pickup**	Select whether users can answer calls at any telephone using the directed call pickup feature (Feature 7 6).
•• **Page tone**	Select whether users can hear a Page Announcement tone (Feature 6 0) over the system.
•• **Page Timeout**	Select the number of seconds before a Page is automatically disconnected.
•• **Daylight time**	Select whether daylight savings time is automatically applied to the system clock.
•• **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.
•• **Ans. key:**	Allows you to assign up to eight answer keys. Settings are Basic, Enhanced, and Extended.
• **Direct-dial**	Select whether an internal or external number is used for the Direct-dial telephone.
•• **D-Dial 1**	Enter the internal or external numbers that the system will automatically dial when someone enters the Direct-dial digit.
••• **Intrnl#**	Enter the DN number of the direct-dial telephone. If it is an external number, you will also have to choose how the outgoing call is made.
•• **D-Dial 2** •• **D-Dial 3** •• **D-Dial 4** •• **D-Dial 5**	Program the settings for each direct-dial telephone, as you did for Set 1.
• **CAP assignment**	The DN of the telephones to be assigned as the central answering position (CAP). The CAP must be a M7234 telephone.

•• CAP 1 •• CAP 2 •• CAP 3 •• CAP 4 •• CAP 5	Enter the DN of the CAP telephones.
• Access Codes	In this section, you can enter the access codes for Line pool, Park prefix, Extrnl code, Direct-Dial, Auto DN, and DISA DN.
•• Line pool codes	Enter a line pool access code for each line pool. A code can be one to four digits in length. A line pool access code cannot start with the same digits as the Call Park prefix or the Direct-dial digit, any DN (including Rec'd #s, the DISA DN, or the Auto DN), or a destination code.
•• Park prefix	Select the first digit of the Call Park retrieval code.
•• Extrnl code	Enter the one-digit external line access code. This code allows an M7100 telephone or a device connected to an ATA to access external lines. The external line access code cannot be the same as the Call Park prefix, the Direct-dial digit, or the first digit used by an internal DN.
•• Direct-dial	Select the digit used to dial a Direct-dial telephone. The digit cannot be the same as the first digit of a DN, of a line pool access code, the external line access code or the Call Park prefix. It cannot be the first digit of a destination code.
•• Auto DN	Enter the DN that a remote user can dial on an auto answer Loop line so that the line is answered with system dial tone. A remote user can then use the system resources allowed by the remote access package assigned to the line. The length of the Auto DN is the same as the Rec'd # length.The Auto DN cannot be the same as a line pool access code or a destination code.
•• DISA DN	Enter the DN that a remote user can dial on an auto answer Loop line so that the line is answered with stuttered dial tone. A remote user must then enter a Class of Service password to gain access to system resources. The remote access package assigned to the Class of Service password determines which resources they can use. The length of the DISA DN is the same as the Rec'd # length. The DISA DN cannot be the same as a line pool access code or a destination code.
• Remote access	In this programming section, you can create a system of controlled access to your Norstar system.
•• Remote access pkgs	Create packages to apply to lines that allow or restrict the remote access to Norstar line pools and/or to paging.
••• Show pkg:_	Enter the two-digit remote package number (00-15). Package 00 is pre-set to allow no access.
•••• LinePool access	For each package, select whether the user will have access to your system's line pools.
••••• Pool <pool letter (pool code)>	For each line pool, select whether a remote user can have access.
•••• Remote page	For each package, select whether a remote user can access the Page feature.
•• Rem line access	Select the remote access packages to be applied.
••• Show line:_	Enter the line number.
• 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).
• Make/Break:	Select the Make/Break ratio. The default Make/Break ratio is 40 / 60.
BusName	Enter the name of the business

Telco features	This programming section lets you assign settings for external voice messaging services.
• VMsg ctr tel#s	Allows you to enter the telephone numbers of the voice message centers.
•• VMsg center 1 **•• VMsg center 2** **•• VMsg center 3** **•• VMsg center 4** **•• VMsg center 5**	You can enter numbers for up to five voice message centers.
••• Tel#	Enter the telephone number (up to 24 digits) to store.
• ONN blocking	Allows outgoing name and number to be blocked at the called party end.
•• Tone	Vertical service code for Tone dialing trunks.
•• Pulse	Vertical service code for Pulse dialing trunks.
Software keys	In this section, you can access 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 keys for PRI, and fixed T1 line option for IDM 200 or SDI, 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.
• 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.
•• Cd1-KSU	View the type of card that occupies the right-most slot in the ICS.
••• Card type	The display shows the current card type.
••• Lines	View the line-number range for the lines on a Trunk Cartridge.
••• Discon timer	Specify the duration of an Open Switch Interval for a Trunk Cartridge.

••• **Answer timer**	Select the minimum duration, in seconds, of an answer signal before a call is considered to be answered, for an E&M trunk cartridge.
•• **CO fail**	Select the carrier failure standard used by your T1 service provider. This setting only appears for DTIs.
•• **I/F levels**	Interface levels defaults to the ISDN loss plan setting. Find out if your Norstar system is connected to a central office (CO) with digital network loss treatment (ISDN I/F levels) or analog network loss treatment (PSTN I/F levels) by checking with your telecommunications service provider.
•• **Framing**	Framing lets you select the framing format used by your T1 service provider. This setting only appears for DTIs.
•• **Internal CSU**	Internal CSU allows you to turn the internal T1 channel service unit on or off. The channel service unit gathers performance statistics for your T1 lines.
•• **CSU line bld**	CSU line build allows you to set the gain level of the transmitted signal. This setting only appears for DTIs that have their internal CSU turned on.
•• **DSX1 bld**	DSX1 build out allows you to set the distance between the ICS and an external channel service unit. This setting only appears for DTIs that have their internal CSU set to Off.
•• **Line coding**	Select the standard used by your T1 service provider for encoding signals on the T1 lines.
•• **ClockSrc**	Determine the type of clock source.
••• **Loops**	View the loops on a BRI Card.
••• **Loop nnn**	View the settings for a particular loop on a BRI Card.
•••• **Type**	View or change the loop type.
•••• **Sampling**	Select the sampling used by an S-loop.
•••• **DNs on Loop**	Assign the ISDN DNs that use this loop.
••••• **Assign DNs**	Enter ISDN DNs for each S-loop or LT loop.
••••• **Show DN:_**	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 DNs**	Enter the Network DNs that are associated with the SPID. A Network ISDN DN can be assigned to more than one SPID.
•••• **Call type**	Select the Call type used with the Network DN. For each ISDN DN, use only one of each of the Voice and Data call type settings, or a single Both call type setting.
••• **D-packet servce**	Configure the D-packet service for this loop. Only one loop on each card can support D-channel packet service.
•••• **D-packet servce**	Turn the D-packet service for this loop on or off.
•••• **Lp001**	Select the S-loop (for BRI-ST Card) or LT-loop (for BRI-U2 or BRI-U4 Card) that supports the D-packet service.
••• **TEIs**	Add up to eight Terminal Endpoint Identifiers (TEIs). Each TEI is supplied by your service provider and is associated with an ISDN device.
•••• **TEI**	Enter the two-digit TEIs supplied by your service provider.
••• **ClockSrc**	Determine the type of clock source.
••• **SPID2**	Enter the second SPID supplied by your service provider, if applicable.

• Cd2 on KSU	Select the type of card that occupies the second slot in the ICS (The slots are numbered from left to right). If your system is using 4x8 software which has not been upgraded, this setting does not appear.
•• Mod 03 •• Mod 04 •• Mod 05 •• Mod 06 •• Mod 07 •• Mod 08	View and program the cards installed in the modules.
••• StnMod	Station Module
••• ASM	Analog Station Module
••• TrunkMod	Trunk Module
••• DataMod	Norstar Integrated Data Module (IDM) 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 an IDM 200.
•••• Fixed access	Allows you to assign fixed lines to the IDM 200.
•••• Switched access	Allows you to assign lines used for dial-up network access to the IDM 200.
••••• Line assignment	Allows you to select BRI or target lines the IDM 200 uses for switched access, and to enter a Dial-In number for each one.
••••• Line pool access	Allows you to give the IDM 200 line pools access to support switched access.
•••• DataMod NVRAM	Lets you reset the NVRAM of the Norstar Integrated 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.
••••• TxClk src	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
••••• TxClk invrsn	Invert the signal used by the SDI to synchronize data from the DTE to adjust for round trip delays between the SDI and DTE.
••••• Data invrsn	Inverts data travelling through the SDI before routing it to the T1 connction or DTE to allow the SDI to support HDLC/SDLC (a transmission standard for data) protocol.
•••• Fixed access	Allows you to assign the fixed line or lines used by the SDI
•••• Lp state	Shows you the direction of the loopback, if any, generated by the 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 items in Sys test log.

• **Sys admin log**	View items in log.
• **Network evt log**	View the items in the Network Log, which keeps a record of events and alarms that involve 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.
• **Usage metrics**	This section allows you to gather statistical information on Hunt group usage.

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