

## 

DIGITAL TELEPHONE SYSTEM

## INSTALLATION SERVICE MANUAL

JANUARY, 1988

NEC AMERICA, Inc.

# CHAPTER 1 SYSTEM DESCRIPTION

#### INSTALLATION / SERVICE INTRODUCTION

This manual provides the information required to install, program, and maintain the Electra MarkII Digital Telephone System.

This manual is divided into nine chapters as follows:

#### CHAPTER 1: SYSTEM DESCRIPTION

Chapter 1 contains general descriptive information about the system, and details the telephone company and FCC requirements.

It also includes feature description, terms, access codes, visual and audible indications, and equipment identification.

#### CHAPTER 2: HARDWARE INSTALLATION

Chapter 2 provides the information required to prepare and install the system. It also contains descriptive and installation information for ancillary devices connected to Multiline Terminals.

#### CHAPTER 3: PROGRAMMING

Chapter 3 provides detailed information about system programming, and explains how to enter the data base record onto the programming sheets (Job Specifications) and into system memory.

#### CHAPTER 4: STATION OPERATION

Chapter 4 provides the operation procedures for Multiline Terminals, Attendants, Single Line Telephones and Directory Terminals.

#### CHAPTER 5: MAINTENANCE

Chapter 5 provides maintenance instructions and flow charts for the system.

#### CHAPTER 7: LEAST COST ROUTING

Chapter 7 provides detailed installation and programming information for the LCR feature.

#### CHAPTER 9: REMOTE ADMINISTRATION

Chapter 9 provides the installation, programming, and operation information for the Remote Administration Adaptor (RAA-E).

The Electra MarkII Digital Telephone System is also the subject of the following documents:

ND-20233 Electra MarkII Digital Telephone System General Description.

ND-20234 Electra MarkII Digital Telephone System Job Specifications (One copy supplied with each CPU-E()).

ND-20235 Electra MarkII Digital Telephone System Circuit Description.

ND-20236 Electra MarkII Digital Telephone System Schematic Drawings.

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#### SECTION 110 GENERAL

The Electra Markil Digital Telephone System is a versatile, high performance, microprocessor based, stored program controlled, fully digital telephone system that provides numerous voice and data capabilities for handling both inter and intraoffice as well as outside traine.

The Electra Markli digital telephone system offers the flexibility required to meet almost any organization's communication needs, by using the Pulse Code Modulation (PCM) technique and time division switching.

Businesses, both small and large, with single or multiple locations can derive maximum benefit from the Electra Markli's port oriented system design.

The Electra Mark I can provide termination for up to 80 stations and up to 40 outside lines. Systems can be tailored to a customer's needs by use of the variety of

Electra MarkII's Multiline Terminals, plus standard 2500 type single line telephones.

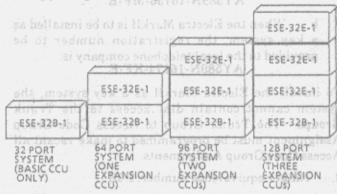


Figure 100-1 CENTRAL CONTROL UNITS (CCUs)

The Electra Mark II, as a total communication system, offers a wide variety of features, most of which are standard and available to all stations in the system.

The Electra MarkII is designed for ease of operation and maximum user convenience. Solid state circuitry, a minimum of mechanical components, and modular construction, ensure simple maintenance and high reliability.

This section of the manual provides details of the full requirements needed to be known prior to the installation of the Electra MarkII.

## REGULATORY INFORMATION

#### 120.1 General Information

The Federal Communications Commission (FCC) has established rules which permit this telephone system to be directly connected to the telephone network. A jack is provided by the telephone company. Jacks for this type of customer provided equipment will not be provided on party lines or coin lines.

The telephone company may make changes in its technical operations and procedures. If such changes affect the compatibility or use of this telephone system, the telephone company is required to give adequate notice of the changes.

#### 120.2 Company Notification

Prior to the connection of, or disconnection, this telephone system to, or from, the telephone network, the telephone company must be provided with the following:

1. The Your telephone number non to say out the store

FCC registration number:

When the Electra MarkII is to be installed as a multifunction system, the registration number to be provided to the local telephone company is: AY589N-16156-MF-E

b. When the Electra MarkII is to be installed as a key system, the registration number to be provided to the local telephone company is: AY589N-16174-KF-E

To install the Electra MarkII as a key system, the system cannot contain dial access to the Trunk Groups. The Trunk Group to Access Code Group Assignment must be programmed to make vacant all Access Code Group Assignments.

- Ringer equivalence number: 2.0B
- USOC Jack required: RJ21X for 50

position miniature maleys not astrument and a ribbon amphenol of t see doldw to suom securities to type connector. seelic

ble to all stations in the system Items 2 and 3 mentioned above, are also indicated on the system equipment label.

120.3 Incidence of Harmon and a margin is

System malfunctions may also be causing harm to the telephone network. The telephone system should be disconnected until the source of the problem can be determined and until repair has been made. If this is not done, the telephone company may temporarily disconnect service.

120.4 Emitted Radio Frequency Interference In compliance with FCC Part 15 rules, the following statement is provided: AVI YSOTA IDOGS

#### IMPORTANT NOTE:

"This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the installation service manual, may cause interference to radio communications. This equipment has been tested and approved for compliance with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this telephone system in a residential area, is likely to cause interference, in which case the user, at his or her own expense, will be required to take whatever measures may be required to correct the interference." and of notice

120.5 Hearing Aid Compatibility The Multiline Terminals provided for this telephone system are NOT hearing aid compatible. FCC rules prohibit the use of nonhearing aid compatible telephones in the following locations:

- MOTTALE Any public or semipublic location where coin operated or credit card telephones may be found.
  - Elevators, highways, and tunnels (automobile, subway, railroad or pedestrian) where a person with impaired hearing might be isolated in an emergency.
  - Places where telephones are specifically installed to alert emergency author ties such as fire, police or medical assistance personnel.
  - Hospital rooms, residential health care facilities, convalescent homes, and prisons, specifically where telephones are used for signaling life threatening or emergency situations if alternative signaling methods are not available.
  - Workstations for hearing impaired personnel.
  - 6. Hotel, motel, apartment lobbies; in stores where telephones are used by patrons to order merchandise; in public transportation terminals where telephones are used to call taxis, or to reserve lodging or rental. automobiles.
  - Hotel and motel rooms. At least ten percent of the rooms must contain hearing aid compatible telephones; or contain jacks for plug in hearing aid compatible telephones which will be provided to hearing impaired customers upon request.

Single Line Telephone sets used in conjunction with this telephone system may or may not be hearing aid compatible. The manufacturer of the Single Line Telephone set must provide notice of hearing aid compatibility to comply with FCC rules. The Multiline Terminals provided for this telephone system can be made hearing aid compatible.

120.6 Service Requirements I had an old coll

In the event of equipment malfunction, all repairs will be performed by an authorized agent of NEC America, Inc. or NEC America, Inc. It is the responsibility of users requiring service to report the need for service to one of the authorized agents or NEC America, Inc.

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A(IA Ancillary Device Adaptor Assigned Night Answer died 2000 snieuß ANA Answer Key
Attendant avisab ass another alculum ANS

ATT

the Electra Markt is port orgenad system design BGM Background Music BLF Busy Lamp Field

80 stations and up to 46 out of CCSA Common Control Switching and borolist Arrangement

And the graph of bridge bridge have

CCU	Central Control Unit Conference Card (feature and control button as well) Central Processing Unit Central Office
CPUMMO)	button as well) Central Processing Unit
COI	Central Office Central Office Line Interface
A) enables	ASSIGNED MIGHT ONSWER (AN)
DIR of Sign	Direct Inward Dialing and Off grandent
DITE ( )88	Direct Inward Termination as Soot Angli
DND DND	Dial Long Lines seismergias anignes untT
DP	Do Not Disturb scheminglage gain you add
DPA	Dual Path Adaptor MAD THACHETTA
DSS	Direct Station Selection (also DSS/BLF)
DTMF	Data Terminal Adaptor Dual Tone Multi-Frequency
ECR bemm	-E- External Control Relay Card
ESI stem la	Electronic Station Interface
ETE	Electronic Station Interface Electronic Telephone Equipment
ETU	Electronic Telephone Unit
non'W me	possible within the difeque Markil Syste
	Federal Communications Commission
	Forward noneral emissions ( ) 4161-373
FV	Para on Rychange Line
HFU SA .	Handsfree Unit (Speakerphone)
gu gnittee	Code - Forced Virified, Akting Night Mode Celendar/Cieck, busy diuprid Datar gante
	Intermediary Distribution Frame
INT	Internal (Calling on Intercom) bas ships Ma
LCD	Liquid Crystal Displays TV ACINETTA
LCR sno	Least Cost Routing Diede
LK	Line Key
i dans in an area.	Light Emitting Diode Line Key -M- Mair Distribution Frame
MFR	Mult - Frequency Receiver (Dual Tone)
MIC	Microphone (Unit and Control Button)
	Module Memory and Controller 19 18 18 17 T
	Message Waiting box belisser anied vest
NBR	Number -N- or was made to -N-
OCCUPATION.	Other Common Carriers OTTAMOTUA
OPX negran	Off-I remises Extension on at malays add
PC Jes sa)	Portable Computeradilla Dallamonia na
PCM Gradev	Prince Pytension
PSU	Primary Extension give sett send famile Power Supply Unit Power Failure Transfer, Tip Side
PT	Power Failure Transfer, Tip Side
THE STYPE	Power Failure Transfer, Ring Side Q Remote Administration Adaptor
RAA	Remote Administration Adaptor
RSG	Ringing Supply Generator

scc	Specialized Common Carriers
SE	Secondary Extension
S&R	Secondary Extension Save and Repeat (Feature and Control Button)
SLIME	Single Line Telephone Interface
SLT	Single Line Telephone Talland ()-08-5879
SMDR SPD	Station Message Detail Recorder
SPKR	Speaker (Control Button)
STA	Station a T-2 E s E S
TDM	Time Division Multiplexing (Switching Method)
TLI	E & M Tie Line Interface
J. 15. Co	Transfer (Feature and Control Button) Time Division Switch ETU
UCDS	Uniform Call Distribution of any gor and
VE.	Virtual Extension
VMI ed	Virtual Extension Series of Modern Series Voice Mail Interface
WATS	Wide Area Telephone Service
WMU	Wall Mount Unit Station
	Sleeves Mark II System can secommodistic a

SECTION 140
FEATURE DESCRIPTION 110 MA

ACCOUNT CODE - FORCED/VERIFIED; preselected telephones must dial a recognized code before originating an outside call from an extension. A recognized code must be dialed before originating an outside call by preselected extensions. Only when the dialed Account Code is found valid cab an outside call be processed. The Forced Account Code is part of the call record generated and can be up to 13 digits long. A maximum of 500 recognizable codes are possible in a system (must be programmed by the Attendant). A CPU-EB3 (or higher revision level) is required to support this feature.

ADD ON CONFERENCE provides the ability to converse with up to three additional parties, in any combination of internal and / or outside, however, not more than two outside lines can be included. This feature can be accomplished with the use of a CNF-E ETU which can be installed in any available interface slot (up to a maximum of four CNF-E ETUs per system). Conference calls are not amplified and are therefore subject to the quality of the CO lines used.

ALL CALL PAGE - All stations, not restricted from access to paging, are able to initiate a voice page to all idle Multiline Terminals speakers. Any station can respond to the page call, releasing the paging and establishing a private conversation. This feature is software controlled and can be disabled, if desired.

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ALPHANUMERIC DISPLAY; 2 of the 4 Electra MarkII Multiline Terminals are provided with a 2 line LCD; each of the 2 lines are capable of displaying up to 16 digits, with more than 100 different fixed and flexible readouts. These Multiline Terminals are the ETE-6D-() and ETE-16D-().

L	К	1	2	an	М	E	L	1	S	S	Α	N 30. C	2	2	8
0	9		4	3		S	Ε	Р		0	5	5	M	0	N

Figure 100-2 Two Line Liquid Crystal Display

The ETE-6-() and ETE-16-2 do not have a display; the ETE-16K-1 Multiline Terminal is equipped with a 7 line LCD; each line capable of showing 16 digits. The top two lines of the LCD are equivalent to that of the ETE-6D-() and ETE-16D-() Multiline Terminals. The bottom five lines provide a directory function with eleven pages individually customized by the Multiline Terminal user. Each page can contain up to ten commonly called numbers (Speed Dial). Each Electra MarkII System can accommodate a maximum of thirty (30) ETE-16K-1 Multiline Terminals.

ANCILLARY DEVICE CONNECTION - The Electra MarkII Multiline Terminals have the ability to support the operation of either a handset amplifier, external speakerphone, headset jack, automatic dialer, or modem. This is made possible with the addition of an ADA-E unit to the Multiline Terminal.

ANSWER HOLD provides the ability to place an ongoing call on hold by depressing the Answer Key, to respond to an incoming call.



Figure 100-3 ETE-6-() Multiline Terminal

ANSWER KEY is provided on all Multiline Terminals. The LED associated with the Answer Key, flashes when an internal call is directed to that Multiline Terminal's extension, and when any line key is ringing, except for DIT calls, at that station. Additionally, the Answer Key's LED will flash when that station receives a Camp-On or Tone Override

signal. By depressing the Answer I ey, the Multiline Terminal user places any current call on HOLD and answers the incoming or recalling CO call, Camp-On, or Override.

ASSIGNED NIGHT ANSWER (ANA) enables incoming CO lines (trunks) to be programmed to ring directly at an extension, when the system is in the Night Mode and is supported with a CPU-EB() ETU. This ringing assignment operates in lependently from the day ring assignments,

ATTENDANT CAMP-ON, with a Direct Station Selection/Busy Lamp Field (DSS/BLF) Console, allows the Attendant to expeditiously process calls, even to busy extensions. Unanswered Camp-On calls recall to the Attendant, after a preprogrammed time period. These positions appear on the lowest installed ESI-E() ETU in the system.

A maximum of four ATTENDANT POSITIONS are possible within the Electra MarkII System. When programmed as an Attendant terminal, the standard ETE-16D-() Multiline Terminal has special access to features only available to an Attendant. Some of these Attendant features are programming and displaying System Speed Dial memories, Account Code - Forced/Verified, setting Night Mode, setting up Calendar/Clock, busy out defective runks and MFR ports, use of one or two DSS/BLFs and a CO Add-On Module and more.

ATTENDANT TRANSFER can be made quickly by use of the Direct Station/Busy Lamp Field Consoles. Any Attendant may Camp-On or Transfer calls to extensions that appear on one of the DSS keys of the DSS/BLF Console. The Transfers may be supervised (Voice Announced with answer) or unsupervised (ringing before answer). Unanswered Attendant Transfers recall to the Attendant Position, accompanied with a display identifying both the line key being recalled and the extension the Transfer or Camp-On was made to.

AUTOMATIC CALLBACK allows users to prompt the system to notify them when a busy extension becomes available. After calling a busy extension, set an Automatic Callback by dialing \*1 (as set in default). When both parties are idle, the system will signal, first, the originator and, after answer, the called station.

AUTOMATIC HOLD occurs whenever an Attendant, with a DSS/BLF Console (engaged in a call); depresses a DSS extension or paging access

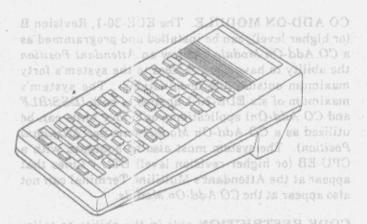


Figure 100-4 EDE-30-1 (DSS/BLF) Direct Station Selection/Busy Lamp Field or CO Add-On Module

button. This places the call on NONEXCLUSIVE HOLD. This is also true for Multiline Terminal users that have programmed, and depress the Feature Access keys for DSS or paging access. This places the call on Consultation Hold.

AUTOMATIC RELEASE is performed by the Electra Markll System when an outside party abandons the cal (for this feature to function, the outside line must provide a timed disconnect signal). Automatic Release is normally provided with Ground Start Trunks and 3&M Tie lines.

BACKGROUND MUSIC via EXTERNAL SPEAKERS, used for paging from the Electra MarkII System, will be interrupted only to those speakers paged (within a zone). This feature requires a locally supplied music source, paging system and control relays as well as the optional ECR-E ETU.

BACKGROUND MUSIC can be provided to all Multiline Terminal users. The system is designed to accept two separate music sources to be utilized. Each user can select either music source to hear over their Multiline Terminal's speaker.

BATTERY BACKUP of system memory is provided via small batteries on selected printed circuit boards to protect such memories as the system program, Speed Dial, mess ges, Clock/Calendar, SMDR, and LCR, to list just a lew.

BROKER'S CALL is a calling method offered to allow a station user to alternate between two calls. Multiline Terminal users merely depress the Answer Key to alternate between two calls on the same line key. Single Line Telephone users provide a hook flash and dial the access code (set in system default as 4#), to alternate between the two parties.

BUSY LAMP FIELD is a standard programmable feature of the ETE-16D-( ) Multiline Terminal. Any of the twenty programmable Feature Access keys, which are programmed for Direct Station Selection, will also provide Busy Lamp Field indication of the corresponding station, tandem port, or virtual extension programmed. A maximum of ten ETE-16D-( ) (with BLF assigned) Multiline Terminals can be connected to each Central Control Unit (CCU).

CALCULATOR FUNCTION is offered to all Multiline Terminals with an LCD. This is a four function six digit calculator which can be accessed by up to five stations simultaneously.

CALLBACK MESSAGE is an indication on the terminal's LCD of who within the system has called and would like a return call. Up to five Callback Messages can be received at any station with an LCD.

The LCD indicates the amount of Callback Messages (to a maximum of five, includes Message Waiting from an Attendant and from the Voice Mail). The messages can be scanned one at a time. Each message display gives the time the message was left, identifies the caller, and provides a number to call. Callback Messages can be cleared while the terminal is idle, or will be automatically removed when the call is returned.

CALL FORWARD - ALL CALLS allows a station user to redirect all tone ring calls to their extension to someone else's extension, a Virtual Extension, or an Attendant Position. The ability to set Call Forward is a function of the stations' Class of Service assignment. Call Forward All Calls can be set or canceled by the forwarding station, by the destination station, or by an Attendant. Call Forward All Calls can be chained from one station to another (up to two stations).

CALL FORWARD - BUSY/NO ANSWER allows any station user to redirect all tone ringing calls to their extension, while they are talking on it or while they are away from their station, to someone else's extension, a Virtual Extension, or an Attendant. The ability to set Call Forward is a function of the stations' Class of Service assignment. Call Forward Busy/No Answer can be set or canceled by the forwarding station, by the destination station, or by an Attendant: Call Forward Busy/No Answer cannot be chained to multiple stations.

CALL PARK allows a station user to temporarily park any call (except a four party Conference); removing the call from the extension placing it on ND-20292 CHAPTER 1 SEPTEMBER, 1988

hold, thereby allowing the extension to be free for other call processing functions. The call can be retrieved at any station within the system by dialing an access code (4\*X as set in default, where X is a Call Park location 0 - 9) and the Call Park area used. A parked call will recall to the primary extension of the station that parked the call. The system, when supported by a CPU-EB (or higher revision level) ETU, will provide ten Call Park areas as described.

CALL PICKUP - DIRECTED provides any station the ability to answer a call (voice or ringing) intended for a different station, by dialing an access code.

CALL PICKUP - GROUP provides the ability to assign station pickup groups to enable ringing calls in the group to be answered by any station within the group by dialing an access code. The system provides eight Call Pickup Groups.

CALL TRANSFER can be performed by any station in the system. Any call can be transferred to any other station in the system or network. The ability to originate or receive Camp-On (a form of Transfer to busy extensions) is based on the Class of Service assignment of both stations.

CENTREX RINGING provides two distinctive tone signals to identify internal CENTREX or PBX incoming calls from outside calls. Requires the support of a CPU-EB3 (or higher revision level) ETU, and a COI-EB ETU.

CLASS OF SERVICE is a programming assignment to allow or deny access to Camp-On Originate/Receive, Call Forward, Operator Restriction, Data Line Security, Station Lockout, Paging Access (Originate), Trunk to Trunk Transfer, and LCR Priority features. Incoming, Outgoing and Code Restrictions are assigned separately.

A CLOCK/CALENDAR DISPLAY is provided to all Electra Markii Multiline Terminals with an LCD.

	a de	ios els	m o	6 O		oid 6	ede nur	240	ni;	mi		g S X	9	BTE OIE	V.
0	7	10	4	3	A had	S	E	Р	18 VI	0	2	3 (1) ( () () ()	F	R	J

Figure 100-5 Typical Clock Calendar Display

This display is on the bottom line of the LCD; ie: displays the time of day, 07:43, the month, SEP, the date, 02, and the day, FRI. This display is only removed during off line programming mode, when the Calculator mode is in use, or during certain data communication operations.

The second of the second secon

CO ADD-ON MODULE. The EDE-30-1, Revision B (or higher level), can be installed and programmed as a CO Add-On Module to allow an Attendant Position the ability to have direct access to the system's forty maximum outside line terminations. The system's maximum of six EDE-30-1 applies to both (DSS/BLF and CO Add-On) applications; only four units can be utilized as a CO Add-On Module (one per Attendant Position). The system must also be equipped with a CPU-EB (or higher revision level) ETU. Lines that appear at the Attendant's Multiline Terminal can not also appear at the CO Add-On Module.

CODE RESTRICTION aids in the ability to tailor the station dialing restriction to every customer's individual needs. The Electra MarkII offers an advanced network of restrictions to control outside calls, based upon area and local office codes. The restriction feature provides override capability on a trunk group basis and accommodates Equal Access to secondary common carriers.

CONSECUTIVE SPEED DIAL simplifies dialing complicated sequences of numbers such as those used for some specialized common carriers, credit card, and other applications. All Electra MarkII Multiline Terminals have the capability to Consecutively Speed Dial, with access to System and Station Speed Dial memories.

CONSULTATION HOLD offers the Electra MarkII System user the convenience of originating a call to a second station in the system from the same line used for an existing call. This allows the user to consult with someone while holding the outside party. Afterwards the user may initiate a Conference, return to the outside party, alternate between the two calls (Broker's Call), or Transfer the outside party to the consulted internal party.

DATA COMMUNICATION is made available when the system is equipped with a CPU-EB (or higher revision level) ETU and with a DTA-E unit installed in each Multiline Terminal (ETE-6D-(), ETE-16D-() and ETE-16K-1) requiring this feature. The DTA-E unit provides a terminal user with the capability of Voice and Data Communication simultaneously. These data ready Multiline Terminals require ESI-EB ports located in any of the first three CCUs.

DATA LINE SECURITY provides a station with protection from receiving audible tones (such as Camp-On or Override) while busy this prevents disruption of ongoing data transmiss on if a terminal is connected to an acoustically coupled modem.

The state of the s

DC POWER OPERATION may be desired for its simplicity of providing standby power. The system can be powered by a local -48VDC source. When so required, each CCU must be equipped with a PSE-DD-1 PSU; this PSU is installed in place of the PSE-AD-1 PSU.

DELAY ANNOUNCEMENT (UCD) occurs when an incoming DIT call to a UCD group encounters all UCD extensions busy or receives no answer within a preprogrammed period of time, the call is queued and receives a recorded announcement after a predetermined interval. A CPU-EB3 (or higher revision level) ETU is required to support this feature.

DELAYED RINGING is provided to Multiline Terminals that are utilized as secondary answering positions. These terminals can be programmed to have their CO/PBX and/or extension lines ring on incoming calls, after a preprogrammed time interval. Separate Day & Night operations are possible. A CPU-EB3 (or higher revision level) ETU is required to support this feature.

DIAL 0 FOR Attendant speeds the calling process when seeking to reach an Attendant. If the system is configured with more than one Attendant Position, DIAL 0 will enable the user to reach the Attendant assigned.

DIRECT INWARD DIALING (DID) allows in bound outside cal s on a DID trunk (Dial Pulse only) to be directed to particular stations within the system. These terminations can be accommodated when the system is equipped with TLI-E ETUs and a CPU-EB (or higher revision level) ETU. A maximum of forty such terminations of lines (two per TLI-E ETU) can be accommodated in each system; this total includes E&M Tie lines and CO lines. DID ports support immediate, delayed, and wink start signaling and can be programmed to add, or delete, up to 3 digits to the number received from the DID trunk.

DIRECT INWARD TERMINATION (DIT) allows an in bound outside call to be directly terminated on a particular extension within the system, bypassing the Attendant. These terminations can be accommodated if the system is equipped with a CPU-EB2 (or higher revision level) ETU. A maximum of forty such terminations can be accommodated in each system; one per CO line.

DIRECT PAGING ACCESS with the EDE-30-1 DSS/BLF console provides the Attendant added speed in call processing and locating personnel. Buttons can be programmed to provide direct access to Internal,

External, and All Zone Paging. The programmable Feature Access keys on the Multiline Terminals can also be used for direct paging access.

DIRECT STATION SELECTION provides one button selection to rapidly call internal parties. DSS/BLF Consoles and the programmable function buttons on the Electra Markil Multiline Terminals provide this operation.

The DIRECTORY FUNCTION of the ETE-16K-1 Multiline Terminal provides the station user with an eleven page LCD, customized by the user. Each page can contain up to ten frequently called numbers. Depressing the directory button causes the pages to change; depressing one of the selection buttons, while a particular page is being displayed, generates a speed dial call, DSS call, or accesses a feature (depending upon the user's programmed preference). A maximum of thirty ETE-16K-1 Multiline Terminals can be installed in a system.



Figure 100-6 ETE-16K-1 Multiline Terminal

DISTINCTIVE RINGING allows a user to distinguish between Boss/Secretary Ring, internal, and outside signals. Each Multiline Terminal has a further choice in selecting between two ringing tones. This selection can be done by user programming at each Multiline Terminal or at the Attendant.

DO NOT DISTURB provides the Multiline Terminal user with the ability to temporarily stop all audible signals, for incoming calls, to that station except calls from an Attendant and Boss/Secretary Ring.

The DSS/BLF CONSOLE is a unit that provides thirty programmable buttons, each with a two color (red and green) LED, for use with an ETE-16D-( ) Multiline Terminal. Together, the Console and Multiline Terminal create an Attendant Position. The console provides the Attendant with single button access to assigned extensions, system features, or page zone. When a button is assigned for direct station selection, the associated red LED provides the

Attendant with Busy Lamp Status of the assigned extension. The associated green LED provides the Attendant with the status of the assigned extension, indicating when the Attendant can reach it by means of Override, or Camp-On. When in the message mode, the associated green LED provides the Attendant with the status of messages left for busy or unattended stations.

Up to two DSS/BLF Consoles can be set to function in an Attendant Position; up to three Attendant Positions can be provided with 2 DSS/BLF Consoles each. The resulting totals are 6 DSS/BLF Consoles associated with 4 Attendant Positions. The number of CO Add-On Modules also affects the 6 console maximum.

DSS/BLF RECALL with station identification provides the originating Attendants' LCD with the line key number that was transferred or camped on, as well as the station number of the station that did not answer the *Transfer* or *Camp-On*. This allows the Attendant to respond and address the recall quickly and efficiently.

The ELAPSED CALL TIMER is a counter which is shown on the LCD of a Multiline Terminal engaged in an outside call. This timer provides a constant reminder of the on going call's length.

Ε	L	A	Р	S	E	D				0	1		4	5
1	2		2	5		S	E	P	1	3	No.	Ŀ	U	Ε

Figure 100-7 LCD with elapsed call time.

E&M TIE LINES are accommodated by the TLI-E or TLI-EB ETUS. Tie Lines can be any combination of loop dial (TLI-E ETU only), 2 wire, or 4 wire Type 1 or Type V E&M signaling. Tie lines must be dial pulse, if terminated on a TLI-E ETU, if on a TLI-EB ETU they can be DTMF or Dial Pulse.

Incoming Tie Line calls can access other outside lines, to make local calls or to access other systems via Uniform Numbering Networking, if the system is supported by a CPU-EB2 (or higher revision level) ETU.

EQUAL ACCESS ACCOMMODATION is to permit the Speed Dial memories and Code Restriction processes to allow connection of CO lines that provide access to Specialized Common Carriers (SCC).

The ECR-E ETU provides four tones for EXTERNAL TONE RINGING. The ECR-E ETU contains 10 relays; 7 ring control relays, 4 day mode relays can be programmed for different interruption patterns.

When connected to a locally provided call alertial device, this feature provides a user in a noisy environment the ability to hear an incoming outside line ringing.

enables system users to quickly, and easily, locate and communicate with each other. The system provides for the ability to set up three zones (plus all zones) of External Paging with the optional ECR-E ETU (and locally provided amplifier, speakers and relays). With the page Meet-Me feature, the Electra MarkII System allows any station in the system the ability to answer a page, at which time the paging circuit is released and is again available for paging.

FLEXIBLE LINE ASSIGNMENT provides the ability to assign any (except for each Multiline Terminal's own extension) line keys to outside lines, appearances of other extension lines, Save and Repeat, Data Transmit, Data Receive, Pooled Lines, and Do Not Disturb features.

The Electra MarkIIs FLEXIBLE NUMBERING PLAN is assigned by the resident system program, when the system is first initialized. With few exceptions the Numbering Plan can be altered for customer requirements, via system programming. Available within the Numbering Plan is the Uniform Numbering Network for multi-location customers with Electra MarkII Systems, each system must be supported by a CPU-EB2 (or higher revision level) ETU. This allows all station users, in a network of Electra MarkII Systems, to dial each station directly, without the need of an Attendant to transfer the call.

FLEXIBLE RINGING ASSIGNMENT is the ability to provide ring tone signals to stations that have an appearance of the CO/PBX or extension line being called. Separate ringing assignments can be set for DAY MODE and NIGHT MODE.

FLEXIBLE TIMEOUTS are provided to allow the system to be altered, via programming, to meet the customer's needs. Standard timeouts are set by the resident system program upon first initialization.

FULL HANDSFREE OPERATION is an optional feature that can be accomplished in either of two methods: installation of the HFU-E unit into an LCD equipped Multiline Terminal or installation of an ADA-E unit into any Multiline Terminal with a qualified speakerphone (locally provided) connected. Either method allows a Multiline Terminal user to initiate or receive a call (outside or internal) and converse without lifting the handset.

GROUND START TRUNKS minimize the possibility of incoming and outgoing calls colliding on the same COI-E() ETU. This phenomenon (collision) is known as glave. In addition, Automatic Release is normally provided on Ground Start Trunks.

HANDSFREE ANSWERBACK is a convenience feature that allows a Multiline Terminal user to respond to a voice call without lifting the handset. When a voice call is received, at a Multiline Terminal, the voice is heard from the Multiline Terminal's speaker, the user can respond handsfree, via the Multiline Terminal's microphone, provided the microphone is on (ON/OFF status is indicated by the red LED above the MIC key).

HANDSFREE DIALING AND MONITORING allows a Multiline Terminal user to initiate a call and/or monitor the line without lifting the handset.

HOLD (EXCLUSIVE AND NONEXCLUSIVE) with RECALL are features provided to allow for individualized and speedy call handling.

EXCLUSIVE HOLD allows a station user to place an ongoing conversation on HOLD while ensuring that no other stations are able to accidentally remove it from hold. The holding station's corresponding line key LED (green) provides a special interrupted wink I-HOLD indication, (the ETE-6-() LED is red) for easy identification; all other stations with that appearance have the corresponding LED (red) lit steadily. (Single Line Telephones do not have hold indication).

NONEXCLUSIVE HOLD enables a Multiline Terminal user to place an ongoing conversation on HOLD and allows the user to go to any other station, with that appearance, and retrieve the call from hold. The LED indication of the held line is shown as a green (the ETE-3-() is red) wink at the holding station (or interrupted I-HOLD wink) and a red wink at all the other stations. (Single Line Telephones do not have this ability).

HOLD RECALL provides a reminder to the user that has forgotten a call placed on hold; this recall is provided for either Lectusive or Nonexclusive Hold. The RECALL to a station is controlled by a timer that can be preprogrammed by the installer.

The LED, at the holding station will flutter green (the ETE-6-() is red), while at other stations it will remain steadily liter winking red. Accompanied, at the holding station, with the change in the LED flash rate is an audible RECALL TONE, a 1024 Hz tone provided at a duty cycle of 60 IPM.

I-HOLD INDICATION shows a Multiline Terminal user which lines on hold are being held by that Multiline Terminal. A green LED indication is provided (the ETE-6-() is red) at the rate of a burst wink, all other stations with that appearance see a red LED at the rate of a wink, or steadily lit.

I-USE INDICATION shows a Multiline Terminal user which line the user is conversing on. The indication provided is a green (the ETE-6-() is red) LED steadily lit. All other stations with that appearance see a red LED steadily lit.

INCOMING CALL IDENTIFICATION allows all I.CD equipped Multiline Terminals to quickly know who, internally, is calling. This is provided on the TOP line of the LCD, showing the callers name and extension number. Calls from outside lines generate a display of the line key number and the type of call (i.e. incoming or transfer, etc.). When a call comes in on the PE the LCD shows whose calling; if the call comes in on an SE or VE, the user must depress the line key (while on hook) to see the name and number of the caller.

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14.	0	e del	0	5	8 0	S	Е	p	ial	10	4		w	Ε	D

Figure. 100-8 LCD Call Display (Internal Call)

INTERNAL VOICE/TONE SIGNALING flexibility enables a Multiline Terminal user to select the method he wishes to be signaled with, by other station users. The caller has the added flexibility to tone ring a station that has been set for voice calling by dialing the digit 1.

INTERNAL ZONE PAGING (WITH MEET-ME) allows anyone (if allowed by Class of Service) within the Electra MarkII System to generate a voice page, via station speakers, to a selected zone or to all zones of the installation. Up to three zones can be established by program assignment of stations into particular zones. Any station can release the page and talk privately to the originator of the page call by dialing the Meet-Me answer access code (set by default as 556). One zone can be paged at a time.

LAST NUMBER REDIAL allows a station user to redial the last outside number they dialed, either by dial key pad, Save and Repeat key button, or Speed Dial key button. This feature is accessed by dial code (dial\*) or a programmable Feature Access key.

LEAST COST ROUTING (dial access to a CO line), processes the completion of an outside call via the

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least costly route available. The LCR-E ETU provides cost effective call routing based on the time of day and day of week.

LOOP START LINES can be terminated onto the Electra Markli's MDF via the telephone company provided RJ21X terminal. System assignment of line type (Loop Start or Ground Start) is done on a per line basis, at the associated COI-E() ETU.

MAINTENANCE AND SELF DIAGNOSTICS is a function of the Electra MarkII System which automatically checks hardware and software errors. The detected errors are stored in the system memory.

Through the use of the Remote Administration Adaptor (RAA-E), the technician can retrieve this information and make programming changes if required from a remote location.

MESSAGE WAITING indication is provided to all stations within the system (except Single Line Telephones without a Message Waiting lamp or not supported by an SLI-EB ETU). The ETE-6-() or the ETE-16-2 will show a lit red LED marked MW, each of the other types Multiline Terminals will display MSG and the quantity of messages, requests for Call Backs, and Voice Mail Messages sent to that station (up to a maximum of 5). Multiline Terminals with LCD have the ability to select which message to respond to first, by scrolling (on-hook, dial digit 1 to scroll from message 1 to 5) the messages. The message displayed shows the time the message was left, the name of the person who left the message and the extension number of the station from which the caller left the message. To return the call, the station user dials the number indicated. Once dialed, the Message Waiting indicator changes; i.e. LCD may have shown MSG3, after call to the calling station, LCD shows MSG2. The red LED (MW) on the ETE-6-( ), the ETE-16-2 or Single Line Telephone with a Message Waiting lamp, is extinguished by the setting Attendant when all messages are cleared.

NOTE: Attendant manually resets the Message Waiting indication on the DSS/BLF Console.

MICROPHONE CONTROL is provided to all Multiline Terminal users to allow muting of the station's microphone. This ensures privacy during an incoming Voice Announcement or during a Handsfree conversation (if equipped with the HFU-E Unit).

MODEM POOLING allows the system user shared access to a pool of up to four modems, for external, as well as internal switching of data; it supports asynchronous, half or full duplex calls at 300 or 1200

bps via the outside network. Ke board dialing and Modem Reserve capabilities (if the system is supported with a CPU-EB( ) ETU) can be allowed through system programming.

Each of the modems (four maximum) must be 212A type compatible, provide auto answer, and must be supported by an SLI-E( ) ETU port, a Multiline Terminal, with LCD, (equipped with a DTA-E unit) and supported by an ESI-EB ETU port. The system must also be equipped with a CPU EB( ) ETU and an RSG-E unit.

MULTIPLE TRUNK GROUPS allow custom fitting of the Electra MarkII's trunks to meet almost any customer's needs. The system provides for the programming ability to assign up to 40 trunks into a maximum of eight trunk groups. Each trunk group can be assigned a separate access code, or can share the same access code.

MUSIC ON HOLD connects a locally provided music source to an outside party whenever a call is placed on any type of HOLD. MUSIC ON HOLD can also be provided via the music chip on the TSW-E( ) ETU. This chip offers two different musical selections.

NIGHT CALL PICKUP functions when the system is placed in Night Mode by the Attendant. In the Night Mode, stations are able to answer incoming outside calls by dialing the Night Call Pickup access code (set by default as 60), or by depressing a programmed function button. Tenant assignment and incoming restriction programming affect which calls can be answered. Night Call Pickup is not available for lines programmed for ANA or DIT.

When the system is equipped with an ECR-E ETU, it is capable of providing relay control for up to three distinct NIGHT CHIMES, when in the Night Mode. The ECR-E ETU contains three relays that can be programmed to provide closures during incoming outside line ringing. In Tenant systems, each tenant has its own Night Chime Control relay. Lines, programmed for ANA will not operate the Night Chime Control relay.

NIGHT TRANSFER is a function controlled only by the Attendant Positions (with or without DSS/BLF Consoles). When an Attendant sets the system into Night Mode, it provides a change from the Day Mode ring assignment and enables the Night Call Pickup and ANA features (if so programmed), in systems supported by a CPU-EB() ETU.

OFF-HOOK VOICE ANNOUNCEMENT can be provided to any Multiline Terminal except ETE-6-( )

or the ETE-16-2) with the installation of the DPA-E unit. The DPA-E unit provides a Multiline Terminal with a secondary voice path, which allows that station to receive a Voice Announcement while on a handset call with someone else. This also requires the Multiline Terminal to be supported by an ESI-EB ETU (located in any of the first three CCUs), as well as being programmed as a Dual Path terminal.

OFF-HOOK RIN GING allows a Multiline Terminal user to hear when an incoming call is signaling, while the Multiline Terminal handset is in use. The off-hook ring is provided at a reduced level. This can be disabled in programming, if not desired.

OFF-PREMISES EXTENSION is provided by the connection of a Single Line Telephone (DTMF), located remotely from the main installation site, to access the system's features with equal capabilities as an on premises Single Line Telephone. Locally provided DLL equ pment is required for this feature.

POOLED LINE allows multiple trunks to be assigned to a Multiline Terminal's line key for incoming and outgoing calls. This feature allows station users to answer and originate outside calls for any line belongin; to a Pooled Line Group with one Pooled Line key. Up to eight Pooled Line Groups can be assigned per system. This feature requires the support of a CPU-18B3 (or higher revision level) ETU.

POWER FAILURE TRANSFER ensures that a customer can always have access to the Central Office Network, even during a commercial power outage.

This feature requires the use of Single Line Telephones supported by SLI-EB ETUs. If power fails to support the Electra MarkII CCUs, the CO Tip and Ring are automatically transferred to the Tip and Ring of a preselected (and cross connected) Single Line Telephone; these SLTs may function in the system during nor nal operation, or only during power failure, depending upon the customer requirements.

PRIME LINE ASSIGNMENT simplifies the use of the system by providing automatic selection of a line. When a Multiline Terminal, programmed for Prime Line, goes off-hook, the assigned extension or outside line is seized automatically. This feature seizes the line when it is IDLE. When a Single Line Telephone, programmed for CO Prime Line, goes off-hook, the assigned CO line is seized. To release this line, to obtain internal dial tone, dial the preprogrammed release code (when the system is supported with a CPU-EB2 (or higher revision level) ETU.

Variations of this feature are accomplished when the system is programmed for *Prime Line* pickup for incoming calls, or the terminal is programmed for *Ringing Line Preference* and *Prime Line*.

PRIVACY ON ALL CALLS provides the secure knowledge that no one can listen to your ongoing conversation. Only the person holding a conversation can allow another party to enter the conversation (via Add-On Conference). All lines in the system are provided with complete Privacy.

PRIVATE LINES can be assigned via the Flexible Line Assignment feature. Restriction assignments can be used to assure that a line is made private.

PROGRAMMING From Multiline Terminals of system functions is permitted locally at any of up to three ETE-16D-( ) Multiline Terminal positions, or remotely at a PC, using an RAA-E unit. Some changes to the system program can be entered while the system is in full operation.

PUSHBUTTON DIAL - DTMF or DP- are provided on all Electra MarkII Multiline Terminals for simplified and speedy calling. Trunks are assigned, on an individual or trunk group basis, to generate either Dual-Tone Multi-Frequency (DTMF) or Dial Pulse (DP) dialing signals.

A RECALL BUTTON is provided on all Electra MarkII Multiline Terminals. This button can be used to generate either a hook flash, to access features provided by an outside exchange, or to abandon a call, while retaining the outside line for origination of another call.

The Electra Markii System allows programming to be performed from a remote location, when the system is equipped with the REMOTE ADMINISTRATION ADAPTOR (RAA-E). The RAA-E unit, provides access to the system with the assistance of the following equipment:

Job Site:

- 1. CPU-EB (or higher revision level) ETU
- 2. ESI-E() (one circuit for RAA-E termination) ETU
- 3. A modem (212A compatible with auto answer)
- 4. SLI-E( ) (one circuit for Modem termination if required) ETU
- 500 RSG-E unit, if Modern terminates on an SLI-E(\*)

#### Remote Location: MA tool of the la fragque and assurper.

- lgo A modem(212A) ylegog gargand H-DER south et ga
- 2.0 NEC PC8300 Laptop Computer 121 112 neglectings
- 3. NEC PC8231A Floppy Disk Drive to the sand tank
- 4. RAA Host Disk the bas salmment and ve language

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t or any RAA-E compatible unit, ie., IBM XT, AT, PC, NEC APCIV, Multispeed, Datavue's SPARK laptop.

The RESIDENT SYSTEM PROGRAM is located in the memory of CPU-E or CPU-EB (or higher revision level) and enables the system to fully function, after a first initialization. The CPU scans the circuits and Multiline Terminals installed and assigns standard (default) values. This allows system operation before programming has begun. This provides the installer a method to test the system for normal operation, thereby allowing later problems to be identified as probable programming errors.

RESTRICTION (INCOMING) allows the assignment, on a per station per trunk group basis, of restricting a station's ability to answer incoming calls.

RESTRICTION (OUTGOING) allows the assignment, on a per station per trunk group basis, of restricting outgoing calls.

RINGING LINE PREFERENCE makes call handling more efficient, and is especially useful for Attendant Positions. Any Multiline Terminal can be programmed to seize any ringing incoming call, to that station, by going off-hook.

SAVE and REPEAT allows the storage of telephone numbers (up to 16 digits). Any line key (except PE) can be programmed to become a Save and Repeat key. After dialing an outside number, depression of this line key will cause the system to memorize the number dialed and light the associated red LED. Depressing this key, when the station is receiving dial tone, will cause the number to be redialed. The number will be eliminated from memory when redialed. Each Multiline Terminal within the Electra MarkII System can have at least one Save and Repeat key, until the system limit of eighty Save and Repeat keys is reached.

SINGLE LINE TELEPHONES can be used when cable distances exceed the allowed maximum length for Multiline Terminals (refer to Chapter 2 Specifications). The Electra MarkII System provides all Single Line Telephones access to most features available to the Multiline Terminals. The system capacity for such telephones is seventy-six, which requires the support of up to four MFR-EA ETUs and up to three RSG-E Ringing Supply Generators, and up to nineteen SLI-E() ETUs. A system must contain at least one ESI-E() ETU and ETE-16D-() Multiline Terminal for programming and call processing.

The Single Line Telephone user can access features provided by a PBX or CENTREX, or custom calling features provided by the local operating company, by sending a timed hookflash to the CO/PBX line to which it is connected, and then dialing a Feature Access code.

STATION CAMP-ON allows a call to be transferred to an extension, even when it is busy. If the Camp-On is disallowed for any reason or goes unanswered for a preprogrammed length of time, it will recall to the station that initiated the Camp-On. Camp-On capabilities are controlled by station Class of Service. No more than one Camp-On per station is possible.

STATION HUNTING allows multiple extensions to be preset as one group with a pilot number. When the pilot number is dialed or when it is the destination of DID or DIT calls, the incoming call is distributed to an idle extension in the group. Station Hunting can be programmed for either linear or circular hunting. A CPU-EB3 (or higher revision level) FTU is required to support this feature.

STATION LOCKOUT provides added call security by allowing any station user (programmed via Class of Service) to electronically remove his station from service by dialing a system lockout access code and then a private lockout code; dialing these same codes again restores the station to service. The private code is established and changed by the individual station user. If the private code is displaced or not readily available, the Attendant can override the station lockout, restore the station to normal operation, and reset the private code to its default value.

STATION MESSAGE DETAIL RECORDING; SMDR-E is an optional ETU which provides detailed call record information about the telephone usage of the system. Call records are generaled for incoming, outgoing, conference, and transferred outside calls. Station identification, trunk identification, time of origination, call duration, and account codes are among the information provided. To retrieve these reports, a locally provided printing or call accounting device compatible with the standard RS-232C output, must be installed. Whether or not incoming calls will generate a record can be selected via system programming.

SPEED DIAL (Station) is provided to every station within the Electra MarkII System Because each station type has its own unique capabilities, access to the individual twenty speed dial buffers may vary.

1. ETE-6-( ), dial access to 20 memories.

- ETE-6D-( ) dial access to 10 and direct selection to 10 more, or dial access to all 20.
- ETE-16-2, dial access to 20 memories.
- 4. ETE-16D-( ), direct selection and/or dial access to the 20 mem ries.
- 5. ETE-16K-1, direct selection to 110 memories.
  - 6. Single Line Telephone dial access to 20 memories.

Each memory location has the capability of storing up to 16 digits (System Speed Dial numbers can be stored within a Station Speed Dial memory buffer of Multiline Terminals to increase this capacity). Each memory location is programmed by the station user.

STEP CALL is a feature supported by a CPU-EB()
ETU. Step Calling allows station users who attempt
an internal call or Transfer a call, and reach a busy
extension or Call Park location, to call another station
by dialing (after hearing a busy or Call Waiting tone)
the last digit of the number desired to step to. Both
numbers called must differ by the last (units) digit
only. This procedure can be repeated until an idle
station, or Call Park location, is found.

STORED HOOK FLASH is a capability provided to each Multiline Terminal (except ETE-6-() and ETE-16-2) user to enter a programmable hookflash, and the feature access code required to access Centrex features and PBX features on a Feature Access Key for one step access to Centrex and PBX features. A CPU-EB3 (or higher revision level) ETU is require to support this feature.

SPEED DIAL (System) provides 80 memory buffers available for usage system wide; this complements the individual 20 memories available for each station. Only the Attendant Positions can program these 80 memory locations. These memory locations have an Override option, for Code Restriction assignments, in blocks. When programmed for Tenant Service, the system can proportion the access to the 80 memory locations and Code Restriction on a per tenant basis.

TANDEM SWITCHING of E&M Tie Lines allows E&M Tie Lines to be connected to other lines/trunks through the Electra MarkII System without the need of any assistance or supervision by an internal station. This provides the distant end system and Electra MarkII users, the ability to remotely access each others system's lines. Automatic Pad Control can be provided by a programmable software transmission pag, when using the TLI-EB ETU.

A TLI-E/EB and CPU-EB2 (or higher revision level) ETU are required to support this feature. TENANT SERVICE allows the system to be independently shared by up to three separate tenants. Separate access to outside lines, Attendants, System Speed Dial memories, Night Chimes, and Night Call Pickup can be provided.

TONE OVERRIDE allows station users to signal a busy extension they want to talk to. Once alerted, a Multiline Terminal user can immediately answer the Override by depressing the Answer Key (placing their existing caller on Consultation Hold). Single line telephones can place their existing call on Exclusive Hold and answer the override call.

TRUNK GROUP NAME ASSIGNMENT allows Multiline Terminal (with LCD) users to receive the Name of a Trunk Group that is ringing in at, or being transferred to the primary extension. Once the call is answered the Trunk Group Name disappears and is replaced by the Elapsed Call Timer indication.

Each Trunk Group's Name can be individually programmed by the installer, and can be up to eight characters; this feature requires the system to utilize a CPU-EB() ETU.

TRUNK/MFR TEST and BUSY OUT; Attendant Positions have the ability to test and busy out trunk and MFR circuits, with the support of a CPU-EB() ETU. Each individual trunk circuit can be examined to determine if it is in good working order. If a particular trunk is found to be inoperable, the Attendant can busy it out. When the problem is corrected, the trunk circuit can be restored.

Additionally, Single Line Telephones can be used to test the dual tone multi-frequency receiver circuits (on the MFR-EA ETUs) to determine if they are operational. If a problem is detected, an Attendant can busy out the defective circuit. Once the problem is corrected, the Attendant can restore the circuit.

TRUNK to TRUNK TRANSFER allows any station user the ability to establish a Trunk to Trunk Transfer and then hang up, without dropping either call. The Trunk to Trunk Transfer can be between two Central Office calls, two E&M Tie Line calls, or any combination of the two. This feature does not require the use of a Conference circuit. A CPU-EB2 (or higher revision level) ETU is required to support this feature.

TRUNK QUEUING allows station users to increase their call processing efficiency in a high traffic environment. The system must be supported with a CPU-EB( ) ETU, and the stations dial access to the busy trunk group cannot be via LCR.

Station users who are denied a trunk or Tie Line (after dial access via an extension) when all trunks in the trunk group are busy, can queue onto the trunk group by a dial access code. When a trunk in that trunk group becomes idle, the system reserves it and initiates a Recall indication to the queuing station's primary extension (when station and extension are idle).

TWO COLOR LEDs are provided on the line keys of all Multiline Terminals (except the ETE-6-()) to more rapidly distinguish between the status of lines. A green LED provides the Multiline Terminal user with such status information as I-Hold, I-Use and Hold Recall. A red LED provides indication of all other line status. The DSS/BLF Console is also provided with Two Color LEDs, on buttons programmed for direct access to extensions.

UNIFORM CALL DISTRIBUTION (UCD) The UCD feature permits incoming DIT and DID calls to terminate in a prearranged group in the order of their arrival. Incoming calls are distributed uniformly between all members of the UCD group, so that new calls terminate at the next idle station.

A call to a UCD group in which all extensions are busy may be overflowed to another designated group or extension.

When an incoming DIT call to a UCD group encounters all UCD extensions busy or no answer, the call is queued and receives a recorded announcement after a predetermined interval. A CPU-EB3 (or higher revision level) ETU is required to support this feature.

UNIVERSAL PORTS provide complete flexibility for installation and cost savings for the end user. The Electra MarkII System allows the installation of any type interface circuit board into any interface slot. This allows maximum utilization of the CCUs, resulting in minimal hardware costs.

USER PROGRAMMING CAPABILITY reduces installer time and involvement and allows the user to make any required changes while the system retains its versatility. Each Multiline Terminal user can program such features as Off-Hook Ringing, internal Voice or Tone Signaling, Ringing Tone selection, Station Speed Dial memories, Background Music channel, direct station selection assignment, and direct feature access assignment.

The ETE-16K-1 Multiline Terminal additionally provides the ability to program an 11 page directory, offering button access to memories (up to 110) used for

Speed Dial, direct station selection, and direct feature access.

UNSUPERVISED CONFERENCE provides the ability for Multiline Terminal users to establish a Conference call between two outside lines and to place the conference on hold and hang up while the Conference continues; freeing their Multiline Terminal for other uses. The Conference may be reentered at any time by the Multiline Terminal user. After a predetermined time interval, an audible signal is provided to the Multiline Terminal, as a reminder of the ongoing Unsupervised Conference. Single Line Telephones can also perform this type of Conference call.

VIRTUAL EXTENSIONS are 48 software extensions available beyond the maximum of 80 station based extensions. Virtual Extensions can be assigned to line keys as desired. The system total of extensions cannot be more than 128, which is comprised of the 48 Virtual Extensions and the 80 station extensions. Virtual Extensions can be used as destinations for call forwards, DID, and DIT calls.

VOICE MAIL INTERFACE is an option that provides the necessary interfacing of the Electra MarkII System to a locally provided Voice Mail system. Voice Mail Message Waiting display is also supported. This feature requires a VMI-E ETU to be installed in an interface slot as well as the support of an RSG-E unit and MFR-EA ETU, which may be shared with Single Line Telephones in the system.

SPEED DIAL ( system) provides 80 memory buffers exactable to use to system wide into each station individual 20 memories available for each station. Only the Alexandri Positions can program these 80 memory locates have an enemory locates have an electrical outlon, for Orde Healthfulor adaptations have an brooks. When a correspond for fathers are desired to systems and the fathers are not systems. The expectation of the projection of the pro

CaMDEst SWI CHING of Mant The Lines allows Labor Tre Lines a be connected in order lines Lines afroncy through the Lines a be connected in order lines Lines of any assistant of any assistant of any assistant of any assistant of any analysis of any assistant of any analysis of the ability is rangerally access alocted Markett serve, the ability is rangerally access each others system a insert others system a frequencially Pad Control can be provided by a programmable saftware can be provided by a programmable saftware transmission par, when while the TLL RHETTL

A TLL IVER and CPU-EB2 for bigher revision levels EU. are require to support this learned

## LCD INDICATION CONTROL LCD INDICATIONS

DISPLAY OTO HEO	LOCATION		A MEIL A 20 NOITINITED ad Station
Transfer ASIAITINI	All Stations Assess	S	System is initializing JIADTXE ST
NIGHT aboM Jdy	All Stations And	S	System in Night Mode T38 3GOM TH
EXT NUMBER?sO aboM Jrfs	Originator (1000)	P	Prompt in Call Pickup Directed ON THE
VACANT	Originatoranteini	LIENS S	Speed Dial Memory Buffer Status
ACCOUNT CODE ?	Originatoramatal	Line P	Prompt for Entering Account Code
MUSIC NBR? habra	Originator at Hat	P	Prompt for Station BGM Selection
MUSIC 1 SET	Originator	C	Confirmation of Station BGM Channel
LK15 RECALL	Originator REARTS	F	Told Recall
LK16 RECALL 201	Originator Originator Incoming CO Carl		Recall for Unanswered Transfer/Camp-On from 201)
DENIED	Originator Albaro	A	Access Denied (IA) NUB 80 932 83
SAVE & REPEAT : eggsasM	Originator	S	Save and Repeat Number is Stored A JIEW
CAMP ON DENIED HA mon	Originator Case M	ı	Unable to Set Camp-On Call
EXTLINE	Originator 00	Station	On EXT Line Key (Before Dialing) 10 0329
CALL WAITING 106 55A a	Originator massal	(	Call Waiting (on 106)
BUSYa 289 I gramfind no lita	Originator	(	Called Station is Busy (With Station No.)
FWD ALL 298 → 209	Originator	(	Confirming Call Forward Status
FWD ALL NOT SET BATTLE	Originator	13878	Confirming Call Forward Status
FWD BNA 298 → 218 3 AT 9 8	Originator	THE C	Confirming Call Forward Status
FWD BNA NO'SET	Originator	THE C	Confirming Call Forward Status
FWD SET DENIED	Originator	Į	Unable to Set Call Forward
FWD CANCEL SDOW DTAW	Originator	(	Confirming Call Forward Status
OVERRIDE → 213	Originator	(	Confirmation of Tone Override (to 213)
CALLBACK SET	Originator Addition	(	Confirmation of Automatic Callback
CALLBACK DENIED	Originator	1	Denial of Automatic Callback
MESSAGE SET 222	Originator	(	Confirmation of Callback Request Set (to 222
MESSAGE DENIED	Originator (India)	I	Denial of Callback Request Attempt
CAMP ON CO CALL	Called Station	I	Receive CO Camp-On Call 180 MAD THORE
CAMPON EXT 342	Called Station	I	Receive Internal Camp-On Call (from 342)
OVERRIDE 320	Called Party	I	Receive Tone Override (From 320)
CO LINE	Originator	(	On CO Line Key (Before Dialing)
CONFERENCE 03:46	Conference Originating Station	(	CO Conference Elapsed Time
PAUL.A 209000 temal8 w	Called/Calling Station	1	During Internal Call TRE ROOM
CONFERENCE AND AND	Conference Party	1	During Conference 1 3000 TMS 89
LK16 TR CO CALL	Receiving Station	1	Receiving CO Transfer

LCD INDICATIONS (CONTINUED)

action rockerwise

DISPLAY	LOCATION	DEFINITION.
LK16 NEIL.A 201	Called Station	Receiving Internal Call (from 201)
LK16 TR EXT CALL	Receiving Station	Receiving Internal Transfer ASLIAITIV
NIGHT MODE SET	Attendant Original	Confirmation of Night Mode THOM
NIGHT MODE CNCL	Attendant Handa	Confirmation of Night Mode Cancell MUMTXS
INT ALL CALL aniais name	Originator with DSS/BLF	Internal All Call TRADAY
INT ZONE 1 PAGE MUSSSA 3	Originator with DSS/BLF	Internal Zone Paging \$ 8000 THU000A
FWD 256 → 342 TOTAL MOS	Calling Party	Call is Being Forwarded TRUK OIZUM
TRANSFER → 213	Calling Party	Confirmation of Ringing Extension Call Clause Transfer (to 213)
CAMP ON → 345	Originator, Calling Party	Confirmation of Camp-On Transfer (to 345)
LK12 CO CALL	Ring Assigned Station	Incoming CO Call
07:43 SEP 02 SUN	All Stations	Clock/Calendar O GSINSO
12:31 NEIL.A 537013 201	Called Station	Callback Request (Message from 201)   & AVA
11:53 ATT 00 50 c	Called Station	Message Waiting (from Attendant)
ELAPSED 01:35 Hard molet	CO Calling/Called Station	CO Call Duration ZMIJ TX3
CK 3 CO CALL (a	Called Attendant	Incoming CO Call on Add-On Module AW J.J.A.
LK16 TIE LINE eijs 12 8 17 W) yar	Ring Assigned Station	Incoming Tie line call on Primary Extension (with Trunk Group Name Assigned)
INT ALLZONE PAGE	Originator with DSS/BLF	Internal All Zone Paging Tag ON LIA ON
SPEAKER 2 PAGE BAR BAR BAR	Originator with DSS/BLF	External Speaker Paging
ALL SPEAKER PAGE	Originator with DSS/BLF	All External Speaker Paging
CALLBACK 5163	Originator Mariti	Recall by Automatic Callback (from 163)
FWD suit Blatus	Originator 1000	Station in Call Forward Mode
LK16 QUEUE of abridey of ac	Originator	Informing of an Available Trunk
QUEUE SET, callbackTES BUBUS		Trunk Queuing is set
c-Oal)back		Calculator On O GAIM OF NOARLIA
1022 k Request Set (to 222)	Originator Theo	System Speed Dial Memory Number
LOCKOUT CODE ? A January	Originator   Branco	Prompt to Set Lockout Code and an analysis
LOCKOUT CANCEL HEO AC	Originator	Confirmation of Lockout Cancel
INCORRECT CODE ) nO-mail		Wrong Lockout Code Entered
1326436 (OSE mon'T) shirt	Originator Visconia	Number dialed or Station Speed Dial Contents
LK16 PARK3 RECALL	Originator October 1	Recall for Unanswered Parked Call
CALCULATOR BUSY	Originator	All Calculator Circuits Busy
DATA ONTO MODEM3	Originator	During Data Switching with Outside Party
NEW CODE SET	Originator OTDG	Confirmation of New Secret Code
CURRENT CODE ?	Originator annual a	Prompt During Lockout Code Revision
NEW CODE ?	Originator	Prompt During Lockout Code Revision

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LCD INDICATIONS (CONTINUED)

DISPLAYMALIT	LOCATION	DESCRIPTION DEFINITION
LOCKOUT DEN ED	Originator	Unable to set Lockout
LOCKOUT SET 298	Originator	Confirmation of Lockout Status (on 298)
DATA PATH BUSY	Originator	Data Path of Called Station is Busy most A of HaCk
NO DATA PATH 123	Originator 19	At Station 123; No data Adaptor Installed; No Data Path Available; No DT and DR key Programmed
NOT READY 123	Originator	Data Adaptor or Data Terminal Equipment at Station 123 is Not Ready
DATATO 123	Originator	Originating a Data Call
DATA PATH TO 123	Originator	During Data Switching A Navend brewset Had
MODEM BUSY	Originator 19 198	All Modems are Busy
DATA END 121	Originator Planting	End Data Switching by Depressing either DT or DR key; If Required, Turn Off DTE
DATA RESERVE 121	Originator 100000	Reservation for Originating Data Call
DATA ERROR	Originator and pession	Error Indication . newson A officer Shreward Had
DATA END MODEM3	Originator 1982	End of Data Switching with Outside Party
NOT READY MCDEM3	Originator	Modem is Not Ready
PARK NBR?	Originator 102	Prompt for Parking Area Selection
PARK3 SET	Originator Nel 1930sO	Confirmation of Call Park
BUSY PARK XXX84	Originator xai malino	Parking Area Attempted is Busy
MSG 2	Called Station	Two Messages on Queue
MFR2 NORMAL	Attendant   Pier   Joonso	Confirmation of MFR Test (For MFR Installed)
MFR3 NOT INSTALL	Attendant (35)	Confirmation of MFR Test (MFR not Installed)
MFR2 BUSYOUTH **	Attendant STA SYSTEM	Confirmation of MFR Busied Out
DATA OFF MODEM 3	Calling/Called Station	End of Data Communication by ER (Equipment Ready) Signal Going Off.
DATA FROM 123 036	Receiving Station	Receiving a Data Call
DATA OFF 186	Calling/Called Stations	End of Data Switching by DTR (DATA Terminal) Signal Going Off
CO12 NOT INSTALL	Attendant	Confirmation of Line Test (For Lines Not Installed)
CO11 NORMAL 333	Attendant Last 1 197481A	Confirmation of Line Test (For Lines Installed)
CO11 BUSY 188	Attendant	Confirmation of Line Test (For Lines In Use)
MODEM HELD 123000	Modem Station	Reserving Modem. Indication on Multiline Terminal dedicated to the Modem.
CO11 BUSYOUT 888	Attendant	Confirmation of Line Busied Out
RESERVED MODEM 3	Originator	Modem Reserved.
DATA TO MODE M3	Originator Book	Modem is Being Activated
DITCALL 3	Ring Assigned Station	In use station receiving DIT or ANA call; (3) are in Queue
the second secon	The state of the s	

NOTE: LCD Displays shown in BOLD ITALIC in this chart FLASH on the terminals LCD.

SECTION 160

FEATURE ACCESS CODES (NUMBERING PLAN)

(802 no) market FEATURE		CONDITIO	N CODE (Set in Default)
Call to Attendant is notted before the rest sieft		Fixed	0 301112771
Extension Numbering (3 or 4 digit)		Flexible (a)	xxx or xxxx ATAGC
Uniform Dialing Network		Flexible	NONE
Call Forward-All Calls: Cant of Station (455)	Confirm Set Cancel	Flexible Flexible Flexible	41 41xxx cc1 of AT/
Call Forward-Busy/No Answer: Station	Confirm Set Cancel		42 42xxx Y8 J8 M8 QC
Call Forward-All Calls: Attendant	Confirm Set Cancel	Flexible Flexible Flexible	44xxx 44xxx yyyasan A P4 44xxx *
Call ForwardBusy/No Answer: FGEAttendant	Confirm Set Cancel	Flexible Flexible	45xxx 45xxx yyy 45xxx *
Call Forward-All Calls: Destination	Confirm Set Cancel	Flexible Flexible Flexible	47xxx 47xxx yyy 47xxx* THE EASI
Call Forward-Busy/No Answer: Destination	Confirm Set Cancel	Flexible Flexible Flexible	48xxx XXXX XXXX XXXX 48xxx XXX XXX XXX XXX XXX XXXX X
BGM Over Multiline Terminal Speaker am 2000	Cancel Set	Flexible boottA	49 49 &4 0r 21 TOW ER
Single Line Telephone Exclusive Hold: Set or	Retrieve	Flexible boass	4# (afterflash) 8 830
Voice Mail Message: Set Cancel	nona	Flexible	541xxx 54*xxx
all Call Voice Page via Multiline Terminal Speake	rs	Flexible	550 SELMONTAT
nternal Paging: Zone 1 Zone 2 Zone 3 Sitsiaal to Zagai Stord 1227 and 1 a contact All Zone Meet-Me	ations	Flexible	551 552 553 554 F34FGHSIC 556 JAMSONTIE
	Answer	Flexible Flexible Flexible Flexible Flexible	561 . YSUM 110 562 563gs: QAMH MAGG 564 566 rugyzyn 116
lation Speed Dial Program for Single Line Telepho	nes	Flexible Flexible	58Mariom gavagas
ation Lockout: Change Special	Flexible	59 & * 3 G O M OT A T	
ngle Line Telephone Hook Flash to a CO	Flexible	NONE	
ngle Line Telephone CO Prime Line Release	Flexible	NONE	
ff-Line for System Programming MAAP and said	Fixed	Control of the Contro	
stem Speed Dial Access	No. (ESPARETING ASSESSMENT)	Fixed	# & 20 - 99

			The state of the s
100 1 0 1 10 1	THE RESERVE OF THE PARTY OF THE	Colonia Colonia de la colonia	Access Tone (CONTINUED)
TRUE L. Correct Distance	While Receiving	mai Lone or Feature	Access tone to the Ende of

FEATURETABLITUECLT	CONDITION	CODE (Set in Default)
Station Speed Dial Access	Fixed	# & 00 - 19
Account Code Entry	Fixed	##
Last Number Redial TIME TOTAL	Fixed Managers	* 1007-8364
Line/MFR Restore (Attendant Only)	Flexible	57xx*
Line/MFR Busy Out (Attendant Only) TIMU Y	Plexible WOT 30 30	57xx# U291-094
MFR Test (SLT only)	Flexible	67xx
Line Test (Attendant Only)	Flexible	67xx
Voice Mail Hunt	Flexible	63
Night Call Pickup Hallog THOO BE AREA TO THE STATE OF THE	Flexible Mallydom	60 013 8401
Call Park Set: (On second dial tone) Retrieve (With Station No.)(On dial tone)	Flexible Flexible	4*x (x=0-9) 4*x (x=0-9)
Station Lockout: Set or Cancel Cancel from Attendant Station Not Locked Out:Set Default Value from Attendant	Flexible HT9104 Flexible Flexible	61& Special Code 62xxx 62xxx*
Night Mode Set or Cancel (Attendant Only)	Flexible	68 UTB 83-i
Call Pickup: Directed Group GOAGGERMAN	Flexible Flexible	6#xxx 6*
Trunk Access: 3010 Group 3-810 HHW 30ARRSTULK GE Group 2 HITLES AGAD ATAG ber 91 Group 1 30A	1.171 (1.1	70-75 FTD 83
Forced/Verified Account Code Entry & 3D ASSAM AND ADA	Flexible MIJ BJD1418	NONE UTS SM

ETE 6 ( 1 TEL		日本本臣其其等					3 V I		(2)	(A.I		COU ROS REV REV	CH SN'T SAC	1000 1001 1001 1001 1001 1001 1001	RED NA MA NV A	00! EX.) VO! STEA			13-51 3-8 13-13 11-13 13-14 13-14	CK EC VA
										kiri Kith Kih	MAD CAST (SS)			THE THE					08-37 81-37 81-18	rgi TH

### 160.2 Codes D aled When Not Receiving Dial Tone or Feature Access Tone.

74	FEATURE	CONDITION	CODE OF SO
Change Voice Annous	nce to Tone Signal	Fixed GARGEGIAH	1 9.19
Call Back Messages	Inspect (Receiving Station On Hook) Set (Calling Station Off-Hook) OTTAK Cancel (Receiving Station On Hook)	Flexible ALAT ATAG	1
Tone Override Attend	lant Override	Flexible	*0
Automatic Callback:	s Setylean noltonut A.M dilv glanicas l		
Trunk Queuing	of the manufacture of the contraction of the contra	Fixed	* 1 1 - 8 X D - G E E

garante en constitue anno anno anno anno anno anno anno ann	SECTION 17	thed While Receiving Dial	ClarbsO tab
CODE (Set la Default)	MO EQUIPMENT IDENTIF	ICATION	
£ 200 3 a	t in familiarin menerita una minustrativa in contra de tales in municipal de persona de persona de la compansión de la contra del la contra de la contra del la	181. A 006.38	MAXIMUM
DESIGNATION	DESCRIPTION		PER SYSTEM
ESE-32B-1 CCU		VIII. ().	
ESE-32E-1 CCU	EXPANSION CENTRAL CONTROL U		Lauraber L
PSE-AD-1 PSU	AC/DC POWER SUPPLY UNIT	ore (Attandam Calys	Line B WER Res
PSE-DD-1 PSU		Out (Attlendant Only)	· Control of the Cont
RSG-E UNIT	DIVIGINIO GUIDDI VI GENIDE I MOD	والمتعارب والمتعارف والمتحارف والمتحارف والمتحارف والمتحارف والمتحارب والمتحارب والمتحارب والمتحارب والمتحارب	7.
RAA-E UNIT	REMOTE ADMINISTRATION ADAPT	A property of the second secon	M o Test (SL)
CPU-EB3 ETU	CENTRAL PROCESSING UNIT		Line Testinit
(or higher revision lev	[10] - L A L B L L L S. L. Y. L. LENGER HER HER LENGTH	ER secretary of the sec	Voice Mail Hu
MMC-E ETU		P	26 (6 20
TSW-E ETU		The state of the s	
TSW-EB ETU		CII Installation only in place	Call Park S
ISW-EB ETO (1917) X-1	of the TSW-E ETU)	SCO mstanation only, in place	,
CBL-EUNIT STORE STORE	FOURTH CARINET EXPANSION CAL	BLE UNIT	ontobal moranic
COI-E ETU *XXXXX	CENTRAL OFFICE LINE INTERFACE	ked Our Set Dalker Cyable Fre	of tel/10 14.12
COI-EB ETU 88	CENTRAL OFFICE LINE INTERFACE		
THE DAME.	DOMESTIND AND DIDITING INTEREST	ACE	20
TLI-EB ETU	DANKEL LINE INTERPREDICT OF SILDER	te baloosi C	20 Ha)
ESI-EA ETU	ELECTRONIC STATION INTERFACE		20
ESI-EB ETU	ELECTRONIC STATION INTERFACE		Prant Access:
	ANNOUNCEMENT and DATA CAP		20
SLI-EA ETU	SINGLE LINE INTERFACE	Figure D	19
SLI-EBETU SMOM		SAGE WAITING and POWER	Marie Whiteman
Es provistantes	FAILURE TRANSFER		19
MFR-EA ETU	DUAL-TONE MULTI-FREQUENCY R	ECEIVER	4
CNF-E ETU	CONFERENCE CIRCUIT		4
ECR-E ETU	EXTERNAL CONTROL RELAYS		1
VMI-E ETU	VOICE MAIL INTERFACE		1
SMDR-E ETU	STATION MESSAGE DETAIL RECOR	DING	1
LCR-E ETU	LEAST COST ROUTING		1
ETE-6-()TEL	6 LINE MULTILINE TERMINAL		78
ETE-6D-()TEL	6 LINE MULTILINE TERMINAL with	Display	78
ETE-16-2 TEL	16 LINE MULTILINE TERMINAL		78
ETE-16D-()TEL	16 LINE MULTILINE TERMINAL with	Display(SEE NOTE)	30(80)
ETE-16K-1 TEL	16 LINE MULTILINE TERMINAL with	n DIRECTORY Display	30
EDE-30-1 DSS/BLF	30 BUTTON DIRECT STATION SELECT CONSOLE	CTION/BUSY LAMP FIELD	160.2 Codes D
EDE-30-1 000	CONSOLE CO ADD-ON MODULE	FEATURE	4*
HFU-E	HANDSFREE UNIT	Langile or of to a new orang	Charge Voice
DPA-E	DUAL PATH ADAPTOR HOS HIS O STORE		1.80 *#
DTA-E	DATA TERMINAL ADAPTOR		80 **
ADA-E	ANCILLARY DEVICE ADAPTOR	Cancel Receiving Sta	80
WMU-E	WALL MOUNT UNIT	in property, in proceedings of the additional symplectic formal property of the state of the contrast of the co	80
	The ART STORY OF THE PROPERTY	Attendant Override	

NOTE: No more than 10 ETE-16D-() Multiline Terminals with BLF function assigned can be connected to each ESE-32B-1 and ESE-32E-1 CCU installed to a Maximum of 30. \*The EDE-30-1 system maximum is six units, when used as BLF, Add-On Module and /or DSS/BLF. \*\*Refer to description of DPA-E and DTA-E.

170.1 General Information

One set of Job Specifications and a wall mounting template are included with the ESE-32B-1 CCU. All optional equipment such as external amplifier, MOH source, BGM source, Delay Announcement source, external speaker, modem, etc. must be locally provided.

170.2 Equipment Description 1. ESE-32B-1 CCU

This CCU is the basic Central Control Unit. This steel cubinet is designed to accommodate other expansion CCUs. A PSE-AD-1 or PSE-DD-1 power supply is required to provide service. It also requires a CPU-E or CPU-EB() and a TSW-E() ETU. The ESE-32B-1 CCU provides 8 slots in the interface card section that can support 4 ports each. The ETUs that can be installed in these 8 slots are: COI-E, COI-EB, TLI-E, TLI-EB, ESI-EA, ESI-EB, SLI-EA, SLI-EB, CNF-E, MFR-EA, ECR-E and VMI-E ETUs.

Additionally, there are 3 slots in the common control/optional card section. 2 of these 3 slots are occupied by the CPU-E( ) and the TSW-E( ) ETUs. One slot can be used to install an optional common card such as an SMDR-E or an LCR-E ETU.

When slot 8 in the interface card section, is not a occupied, it can be used to install another optional common card.

The ESE-32B-1 CCU provides service for up to 32 ports. Maximum 1 per system.

2. ESE-32E-1 CCU

This CCU is the expansion Central Control Unit.
This steel cabinet is designed to be stacked on top of the ESE-32B-1 CCU or on top of another ESE-32E-1 CCU; it is not a stand-alone unit and must be used in conjunction with the ESE-32B-1 CCU.

The ESE-32E-1 CCUs require a PSE-AD-1 or PSE-DD-1 power supply to provide service to all equipment supported by this CCU. It also requires an MMC-E ETU to control this equipment.

The ESE-32E-1 CCU provides 8 slots in the interface card section; each section can support 4 ports. The ETUs that can be installed in these 8 slots are: COI-E, COI-EB, T.I.-E, T.I.-EB, MFR-EA, ESI-EA, ESI-EB, SLI-EA, S.I.-EB, CNF-E, ECR-E, and VMI-E ETUs.

In addition, there are 3 slots in the common control/optional common card section. 1 of these 3 slots is occupied by the MMC-E ETU. 2 slots can be used to install optional cards such as LCR-E and SMDR-E ETUs.

A maximum of three ESE-32E-1 CCUs can be installed. The first expansion CCU expands the total system capacity up to 64 ports. Two expansion CCUs provide service for up to 96 ports. The third expansion CCU allows for up to 128 ports.

3. PSE-AD-1 PSU

The PSE-AD-1 PSU is an AC/DC power supply, when used is mounted in each CCU. This PSU converts nominal 117 VAC into the necessary voltages required to operate the system.

This PSU provides the required DC voltages (-5V, +5V, -24V) to ETUs installed in the CCU and to the devices connected to the CCU.

4. PSE-DD-1 PSU for V for V This power supply accepts a DC input voltage of -48VDC and converts it to the necessary operating DC voltages of -5V, +5V and -24V, required by a CCU.

This PSU allows the system to be powered from a locally provided nominal -48VDC power source. Battery Backup can be connected to the -48V DC power source, thereby avoiding disruptions of system operations caused by commercial power failures and brownouts.

Each CCU requires either a PSE-DD-1 or PSE-AD-1; these two PSUs cannot be mixed within a system.

5. has RSG-E Unitabold add at JTM A 3MM and

The RSG-E unit is the ringing supply generator required to provide ringing signal to Single Line Telephones (SLTs), modems, and a voice mail system.

The RSG-E unit is mounted into the CCU (next to the PSU) to support up to 32 SLTs, up to 4 modems, and/or Voice Mail.

The RSG-E unit installed in a CCU supplies ringing signal to SLTs, Voice Mail and modems connected to that CCU. One RSG-E unit can supply ringing signal to an adjacent CCU, provided the combined CCU ringing requirements are not exceeded.

RAA-EUNIT UOO 1 828-323 sale to berruper

The Remote Administration Adaptor (RAA-E) provides access to the Electra MarkII System program from a remote location. The system program can be changed, defective ports can be busied out or put back into service, after the problem is corrected.

To accomplish this function, the following equipment is required:

At job Site: CPU-EB (or higher revision level) ETU

2. ESI-E( ) ETU (one circuit for RAA-E termination)

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3. Modem (212A compatible with auto answer)

4. SLI-E( ) (one circuit for Modem termination COLD if required) ETUs portal (brigary) in COLD

5. RSG-E unit (if Modem terminates on an SLI-E( ) ETU) afted 321 of gardel awall & UOO

At the Remote Location:

Modem(212A)

2. NEC PC8300 Laptop Computer f CA 329 att

at 3. a NEC PC8231 A Floppy Disk Drive tom at Local

2524. TRAA Host Disk and othe OAV TIL Tanimon

t or any RAA-E compatible unit, ie., IBM XT, AT, PC, NEC APCIV, NEC Multispeed, Datavue's SPARK +5V -24V) to ETUs installed in the CCU and coofer

CPU-E and CPU-EB() and od beloennes souveb A CPU-E or CPU-EB( ) is the Central Processing Unit and the heart of this system, viggue rawog zid?

It provides overall control via the main processor (16 bit microprocessor) by communicating with the distributed processors mounted on the TSW-E( ) and MMC-EETUs, og Ogvab- tantmen begivern clasel

The CPUs RAM memory is battery backed up with a rechargeable NICAD battery, which will retain the memory for up to seven days. 1980 ve page at the 18 1900

One CPU-E or CPU-EB( ) ETU must be installed in the ESE-32B-1 CCU -339 a red its compare USO doe.

MMC-E ETU

The MMC-E ETU is the Module Memory and Controller Unit required for each ESE-32E-1 CCU. It controls data transmission between the CPU-E( ) ETU and the interface cards installed in the ESE-32E-1 CCU in which the MMC-E ETU is installed. mobion to ou que a SITE SE no que freque et (TE

Data from and to both the CPU-E( ) ETU and each interface card is temporarily stored in the memories of the MMC-E ETU turbum bes light said of 15 as family

The MMC-E ETU contains a 4 bit microprocessor.

The TSW-E ETU is the Time Division Switch Unit required for the ESE-32B-1 CCU. TIME & AAR

Additionally, it supplies all the tones required in processing telephone calls and it also establishes paths between stations and outside lines, extension lines or call process tones.

The TSW-E ETU also has functions similar to the MMC-E ETU within the ESE-32B-1 CCU, and provides the source output for external paging.

To connect MOII and BGM sources, the TSW-E ETU houses audio digitizer circuits to change analog signals to digital signals.

TSW-EB ETU

The TSW-EB ETU is the Time Division Switch Unit required for the ESE-32B-1 CCU when the fourth CCU is installed. It supplies all the lones required in processing telephone calls and it also establishes paths between stations and outside lines, extension lines or call process tones, the same as the TSW-E

The TSW-EB ETU also has an additional connector to interface to the fourth MMC-E ETU within the third ESE-32E-1 CCUpq so ruga 329 A sello reiznage

To connect MOH and BGM sources, the TSW-EB ETU houses audio digitizer circuits to change analog signals to digital signals. The displacement and sollows

can be installed in these 8 stots are: UTE E-100 fill.

The COI-E ETU is the Central Office Line Interface Unit that contains circuitry for outside ring detection, hold, dialing, and control function.

Each COLE ETU provides four identical circuits to serve up to four CO trunks which can be any mix of Loop Start or Ground Start Trunks, DTMF or dial pulse dialing. DTT 3 MILLE or an LEM & PTU. gnilaib pulse

A maximum of 10 COI-E ETUs can be installed per system. go isdioon laight of bear dines it baiquase

COI-EB ETU

This Central Office Interface ETU is the same as the COI-E ETU except this ETU supports the Centrex Ringing feature.

This CCL is the spanning States UTS Sidt The TLI-E ETU provides for the termination and operation of up to two lines, that can be E&M Tie Lines (loop dial, 2 or 4 wire E&M, Type 1 or Type V) and DID line (10pps pulse dial). Wink, delayed, second dial tone or immediate start loop signaling are supported. Along with the possible terminations accommodated with the COI-E( ) and TLI-EB ETUs, the system maximum of 40 outside lines is observed.

14. a. TLI-EB ETUois Signary ord (100 1-328 323 and

The TLI-EB ETU provides for the ermination and operation of up to two lines, that can be E&M Tie Lines (2 or 4 wire E&M, Type I or Type V). DTMF, Dial Pulse, Wink start, delayed dial, second dial tone or immediate start loop signaling are supported. Along with the possible terminations accommodated with the COI-E( ) and TLI-E ETUs, the system maximum of 40 outside lines is observed. Backley landay

15box ESHEA ETU and abase force the linear

Selected Landau Control (March

The ESI-EA ETU is the Electronic Station Interface Unit required to provide data control and voice service

to the Multiline Terminals without the off-hook announcement feature. It can also accommodate the DSS/BLF Console, RAA-E unit, and CO Add-On Modules.

Each ESI-EA ETU contains four identical circuits to serve up to four Multiline Terminals which can be any mix of Multiline Terminals, DSS/BLF Consoles, RAA-E unit, or C() Add-On Modules).

NOTE: It is recommended that the ESI-EA ETU be the only Multiline Terminal Interface card installed in the fourth CCU, as the fourth CCU cannot support the additional features supported by the ESI-EB ETU.

A maximum of 20 ESI-EA ETUs can be installed per system.

#### 16thu ESI-EB ET U wark asio V rel values via asbivone

The ESI-EB ETU is the Electronic Station Interface Unit which includes the functions of the ESI-EA ETU and supplies the Multiline Terminals (with a DPA-E and/or a DTA-E unit installed) with the off-hook announcement and/or Data Communication features.

Each ESI-EB ETU contains four identical circuits to serve up to four Multiline Terminals which can be any mix of Multiline Terminals, DSS/BLF Consoles RAA-E unit, or CO Add-On Modules.

NOTE: 1. The Data Switching feature has a direct impact on the Dual Path features' system maximum and vice versa. When a station requires both Dual Path and Data Switching, it needs the use of three paths (each ESI-EB ETU contains 8 paths utilized by the four ports), therefore removing the second path from the adjacent port. Only ports one and three, of the ESI-EB ETU, can have both features, while ports two and four can have either feature (if the adjacent port does not have both).

2. It is recommended that the ESI-EA ETU be the only Multiline Terminal Interface card installed in the fourth CCU, as the fourth CCU cannot support the additional features supported by the ESI-EB ETU.

A maximum of 20 ESI-EB ETUs can be installed per system.

#### 17. SLI-EA ETU ... soul obsains

The SLI-EA ETU is the Single Line Telephone Interface Unit which provides circuitry for loop status detection, talk battery, sending ringing signal from the RSG-E unit to SLTs, and voice service to SLTs.

Each SLI-EA ETU contains four identical circuits to serve up to four SI Ts.

A maximum of 19 SLI-EA ETUs can be installed per system; to a T.I.S on nearly message an a T.I.S yet becade

#### 18. SLI-EB ETU

The SLI-EB ETU is the Single Line Telephone Interface Unit which includes the functions of the SLI-EA ETU, and provides Message Waiting indication to SLTs equipped with a Message Waiting lamp.

Each SLI-EB ETU contains four identical circuits to serve up to four SLTs. bas sonil shake along the desired

The SLI-EB ETU is required for use with power failure transfer of COs to SLTs.

A maximum of 19 SLI-EB ETUs can be installed per system.

#### MFR-EA ETU

The MFR-EA ETU is the Dual Tone Multi-Frequency Receiver Unit that is used to receive and translate the DTMF signals generated by the SLTs or Voice Mail System.

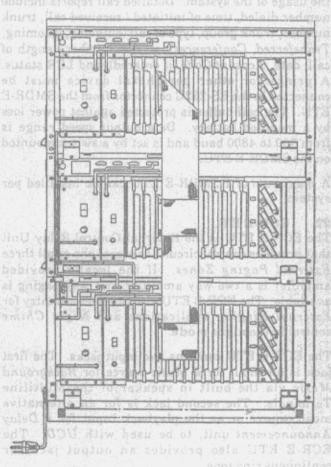


Figure 100.9 Front View of an open three CCU

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Each MFR-EA ETU provides two receiver circuits shared by SLTs in a system. When no SLTs or VMI-E ETUs are installed in a system, MFR-EA ETUs are not required.

A maximum of 4 MFR-EA ETUs can be installed persystem. W squees Messivers bas UTB Ad-IJI CNF-EETU dJw baqqiupa aT.12 of nertea bai

The CNF-E ETU is the Conference Unit that is used to establish a non-amplified Conference between up to 4 parties, both outside lines and extensions. No more than 2 outside lines can participate in a Conference call.

A CNF-E ETU is required for each Conference in

A maximum of 4 CNF-E ETUs can be installed per

## The MFR-EA TILL is the Buel Tone Multi-Index Ad-RTM sat

The SMDR-E ETU (Station Message Detail Recording Unit) provides the user with detailed call reports on the usage of the system. Detailed call reports include number dialed, time of initiated / received call, trunk number, trunk group, type of call (outgoing, incoming, Transferred, Conferences), station number, length of call, date, Account Code (if entered), and LCR status. A printer or other peripheral device must be connected to the RS-232C connector from the SMDR-E ETU. The call buffer is protected against power loss by a mounted battery. Data output speed range is from 300 to 4800 baud and is set by a switch mounted on the SMDR-E ETU.

A maximum of 1 SMDR-E ETU can be installed per system.

#### ECR-E ETU

The ECR-E ETU is the External Control Relay Unit that provides control circuits to access one or all three External Paging Zones. If the locally provided amplifier is a two way amplifier, two way paging is available. The ECR-E ETU also provides circuitry for External Ringing applications and Night Chime control in the night mode.

The ECR-E ETU contains two input jacks. The first jack is an input for a Music source for Background Music via the built in speaker of the Multiline Terminals. The second jack is for an alternative music source or as the playback input for a Delay Announcement unit, to be used with UCD. The ECR-E ETU also provides an output jack for continuous ring tone.

A maximum of 1 ECR-E ETU can be installed per system.

The same of the sa

#### 23serf-LCR-E ETUfflish at series of Carrier Red with on

The LCR-E ETU is the Least Cost Routing Unit that provides the user with the least costly available route when placing outside calls.

The LCR programmed data base is protected against power loss by a mounted battery. Data output speed range is from 150 to 9600 baud and is set by a switch mounted on the LCR-E-ETU.O back store state 2- AAR

A maximum of 1 LCR-E ETU can be installed per system. Data input (programming) to the LCR is provided by an NEC PC8300 portable computer, disk drive and floppy, or an IBM AT, XT or PC, Datavue's SPARK laptop, NEC APCIV.

#### 24. VMI-E ETU

The VMI-E ETU is the Voice Mail Interface Unit that provides circuitry for Voice Mail in erface (including Message Waiting indication) to this system.

Each VMI-E ETU contains four identical circuits to serve up to four mail entry ports.

A CPU-EB( ) ETU is required to support the connection of an SLT or DTMF controlled dictation equipment to the VMI-E ETU.

A maximum of 1 VMI-E ETU can be installed per system. The VMI-E ETU requires the support of both an RSG-E unit and an MFR-EA ETU.

#### 25. mi ETE-6-(12) TEL was hard hard and ed to tragen

The ETE-6-( ) TEL is a fully modular, digital Multiline Terminal with 6 line keys, 7 function keys and I message wait LED moo UTS 83-123 fond afting

Line keys can be assigned for outside lines, extension lines, DND (Do Not Disturb), S & R (Save and Repeat), and Pooled Lines.

This Multiline Terminal requires twisted 2 pair cabling to the MDF (Main Distribution Frame) or IDF (Intermediate Distribution Frame).

#### 26. ETE-6D-( ) TEL Wall of and on bolletens

The ETE-6D-( ) TEL is a fully modular, digital Multiline Terminal with 6 line keys, 7 function keys and 10 programmable Feature Access keys for DSS, station speed dialing or feature access codes.

A two color LED is provided to each line key which can be used for outside lines, extension lines, Data Transmit and Data Receive, DND, S & R, or Pooled Lines features, 2110,212 216,000 pro de de United Lines features, delectron, talk be tery, serajing expenses dignal, trom

This Multiline Terminal is equipped with a 2 line LCD with 16 characters per line.

The ETE-6D-( ) Terminal requires twisted 2 pair cabling to the MDF or the IDF.

27. ETE-16-2 TEL

This Multiline Terminal is a fully modular instrument with 16 line keys each with Two Color LED indications, 7 fixed function buttons and a Message Waiting LED.

15 of the 16 line keys are flexible and can be assigned to any of the outside lines connected to the system, to any other extension lines, or as a feature button (for Do Not Disturb, Pooled Lines, or Save and Repeat).

The ADA-E unit can be installed in this Multiline Terminal solved visition A sal of Jinu E-ACA and

Unit that allows the Maitine Ter ainst tall to connect such horally provided dealTE(s) TEL (s) TETE(s).

The ETE-16D-( ) TEL is a fully modular, digital Multiline Terminal with 16 line keys, 7 function keys and 20 programmable Feature Access keys for DSS with BLF indications, Station Speed Diating or feature access codes.

A two color LED is provided to each line key which can be used for outside lines, extension lines, Data Transmit and Data Receive, DND, S & R, or Pooled Lines features.

This Multiline Terminal is equipped with a 2 line LCD with 16 characters per line with a 2 line

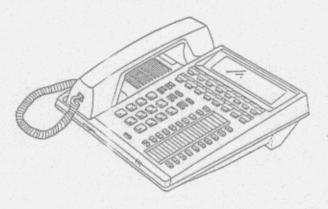


Figure 100-10 ETE-16D-( | Terminal

The ETE-16D-( ) TEL requires twisted 2 pair cabling to the MDF or the IDF.

A maximum of ten ETE-16D-( ) TELs, per CCU can be programmed for the BLF function up to the system maximum of 30.

29. ETE-16K-| TEL

The ETE-16K-1 TEL is a fully modular, digital Multiline Terminal with 16 line keys, 7 function keys and 10 programmable Feature Access keys assigned for DSS/BLF, Station Speed Dialing or feature access codes.

The 10 programmable Feature Access keys are associated with a 7 line, 16 digit, LCD with 11 pages. The desired page can be selected by the DIR (Directory) key. A total of 110 programmable designation buffers are available.

The top 2 lines of the LCD are used to indicate Clock/Calendar and the status of call progress. The 5 bottom lines of the LCD are associated with the 10 programmable Feature Access keys.

A two color LED is also provided to each line key which can be assigned for outside lines, extension lines, Data Transmit and Data Receive, DND, Pooled Lines, or S & R features.

This terminal requires twisted 2 pair cabling to the MDF or the IDF.

A maximum of thirty ETE-16K-1 TELS can be installed per system of the add data that a selection

30. SINGLE LINE TELEPHONE
Single Line Telephones must be 2500 type telephones
or Diermils and must be locally provided.

Only DTMF Single Line Telephones are compatible with this system.

An MFR-EA ETU, and an RSG-E unit and either an SLI-EA ETU or an SLI-EB ETU are required for operation of Single Line Telephones.

31. EDE-30-1 DSS/BLF Bouleton UTB EH 123

The EDE-30-1 DSS/BLF is the Direct Station Selection/Busy Lamp Field Console that is equipped with 33 programmable non-locking buttons.30 buttons are used to assign Direct Station Selection (DSS) or such features as Transfer, paging, Attendant Override, Night Mode and Message Waiting. 3 buttons are for feature use only.

The first 30 buttons are provided with two color LEDs which indicate station status or Message Waiting status.

Depressing the button assigned for Message Waiting changes the EDE-30-1 DSS/BLF operation to that of a Message Waiting Console.

A maximum of 6 EDE-30-1 DSS/BLF Consoles can be installed per system, a maximum of 2 EDE-30-1 DSS/BLF Consoles can be associated with any Attendant Multiline Terminal

The EDE-30-1 can also be utilized as a CO Add-On Module, the EDE-30-1 must be Revision B or higher. The CO Add-On Module can increase the outside line appearances at an Attendant Position to the system

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maximum of forty. The system maximum for EDE-30-1 units remains six, a maximum of four CO Add-On Modules can be installed (one per Attendant Position). When programming an EDE-30-1 unit as a CO Add-On Module, the system must be supported with a CPU-EB( ) ETU. GOL and to send & not and Clark/Culender and the status of call progress Theog

### 32. WHEU'E UNITER ORE GOLD out to spail motion

The HFU-E Unit is the Handsfree unit that provides the user with Full Handsfree operation for both outside and internal calls. It is mounted into the Multiline Terminal, and their Terminal, sond

NOTE: The ETE-6-( ) and ETE-16-2 TELs cannot be equipped with the HFU-E.

#### DPA-E UNIT 33.

The DPA-E Unit is the Dual Path Adaptor Unit that provides a user with the off-hook announcement feature and is mounted into the Multiline Terminal.

NOTE: The ETE-6-( ) and ETE-16-2 TELs cannot be equipped with the DPA-E. A Multiline Terminal equipped with a DPA-E must be supported by an ESI-EB ETU installed in any of the first three CCUs.

The Data Switching feature has a direct impact on the Dual Path features' system maximum and vice versa. When a station requires both Dual Path and Data Switching, it needs the use of three paths (each ESI-EB ETU contains 8 paths utilized by the four ports), therefore removing the second path from the adjacent port. Only ports one and three, of the ESI-EB ETU, can have both features, while ports two and four can have either feature (if the adjacent port does not (DSS) or such features as Transfer, paging (dtod avan

## Override, Wight Mode and Mersone Waiting & Duttoned

The Data Adaptor provides a Multiline Terminal with the capability of asynchronous data switching. A Multiline Terminal equipped with a DTA-E unit can switch data between it and an outside party using a modem; or with an internal station equipped with a DTA-E unit. Speeds of up to 9.6kbps. can be accommodated internally on the RS-232C type interface.

A maximum of one DTA-E unit can be installed per Multiline Terminal, with LCD. The system maximum is 80 units.

NOTE: The Data Switching feature has a direct impact on the Dual Path features' system maximum and vice versa. When a station requires both Dual Path and Data Switching, it needs the use of three paths (each ESI-EB contains 8 paths utilized by the four ports), therefore, removing the second path from the adjacent port. Only ports one and three, of the ESI-EB ETU can have both features, while ports two and four can have either feature (if the adjacent port does not have both).

A CPU-EB( ) ETU and an ESI-EB (installed in any of the first three CCUs only) ETU are required to support this feature. 2 to send haloo and sell soll och

#### 35. HIADA-EUNITHARM se aso inu BAGA ad'I The ADA-E Unit is the Ancillary Device Adaptor Unit that allows the Multiline Terminal to connect such locally provided devices as speakerphone,

jackset, handset amplifier, modern, etc. and is mounted into the Multiline Termina in any audidu M.

with BLE indications, Station See Student 3.18 die The WMU-E is a universal wall mount unit which can be used to wall mount any Multiline Terminal.

## 37. CBLEUNIT sanil shieto rel been ed nas This unit provides the required interconnecting cables

to install the fourth CCU. The CBL-E is shipped along with a special template to facilitate the wall mounting of the fourth CCU a average and all drive COU



THE MELTER SPEEL Low 1222 Little Str. on Spend Dalling article to be to ANADAMENTAL OF THE

# CHAPTER 2 HARDWARE INSTALLATION

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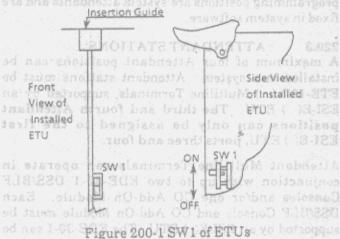
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(ADA E) C. M. O TERRITORIA	200-33
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ROM and at arebuild elder time MOF	D. Yangy S
	Handsfree Unit (HFU-E) Dual Path Adaptor Unit (DPA-E) Ancillary Device Adaptor Unit (ADA-E) ADA-E Installation Into ETE-6-() or ETE-16-2 Multiline Terminals Data Switching Adaptor Unit (DTA-E) DTA-E Installation Wall Mount Unit Installation  OPTIONAL EQUIPMEN CONNECTION Music on Hold External Paging Background Music/Delay Announcement External Tone Ringing / Night Chime Modem Termination

#### SECTION 210 GENERAL

This chapter provides a comprehensive understanding of how to properly install each component of the Electra MarkII Digital Telephone System. It is recommended this chapter be read in its entirety to familiarize yourself with its content. This will enable a faster, more productive installation and cut-over.

Power being supplied to the system should be applied as a final step, just prior to the system operational testing (as described in Chapter 5 of this manual).

The Electronic Telephone Units (ETUs) make extensive use of CMOS technology. STATIC DISCHARGES TO ANY ETU MUST BE AVOIDED.



CHAPTER 2

Each interface and optional ETU contains a switch (SW1) to protect its circuitry from damage during insertion and removal while power is applied to the unit, make it a habit to first ensure this switch is OFF.

e e financia

#### SECTION 220 SPECIFICATIONS

GENERAL INFORMATION

Prior to configuring a system, first complete the job specification sheets provided (ND-20234) with the CPU, and ensure all types of station equipment, time outs, and feature options are taken into account.

An understanding of the system programming is required to properly complete the job specification

Even though each CCU has 8 interface slots and 32 ports, not all ports are used for installing station equipment. The hardware requirements will dictate the availability of ports for installing station equipment.

Twenty five pair cable binders to the MDF should, when possible, pair the same type ETUs together within a cable binder. This will simplify the MDF wiring. serebru evisnedergoros a aebivoro reigada em

PROGRAMMINGSTATION

A maximum of 4 programming positions can be available in a system. Station equipment connected to the first two ports of the first ESI-E() ETU are automatically set as programming positions and must be ETE-16D-( ) Multiline Terminals. A third programming position can be assigned to any interface port, with an ESI-E() ETU and ETE-16D-( ) installed, by either the first or second programming Multiline Terminal or the RAA-E unit. The fourth position becomes available when the RAA-E unit is installed. The first two programming positions are system attendants and are fixed in system software.

#### 220.3 ATTENDANT STATIONS

A maximum of four Attendant positions can be installed in a system. Attendant stations must be ETE-16D-( ) Multiline Terminals, supported by an ESI-E( ) ETU. The third and fourth Attendant positions can only be assigned to the first ESI-E() ETU, ports three and four.

Attendant Multiline Terminals can operate in conjunction with up to two EDE-30-1 DSS/BLF Consoles and/or one CO Add-On Module. Each DSS/BLF Console and CO Add-On Module must be supported by an ESI-E( ) ETU. The EDE-30-1 can be attached to the ETE-16D-( ) and/or another

the heart felt play and attached

EDE-30-1, using the metal bracket supplied with each EDE-30-1 unit.

A maximum of six EDE-30-1 units can be installed per system of which a maximum of four can be assigned as CO Add-On Modules (one per Attendant position). No more than six EDE 30-1 units (CO Add-On Module and/or DSS/BLF) can be installed per 220.3 Astend of Stations 220.4 Determination of Equipment system.

#### 220,4 DETERMINING EQUIPMENT REQUIRED 1. Station Equipment ( Deposit of Date of Desc.

Determine the type and the quantity of each station equipment being installed.

Types of station equipment available are as follows:

a. ETE-6-() TEL standard upon mida 11 nec

(6 line Multiline Terminal without LCD).

ETE-6D-() TEL

(6 line Multiline Terminal with LCD).

Dterm SeriesII ETE-16-2 TEL (16 line Multiline Terminal).

d. ETE-16D-()TEL

(16 line Multiline Terminal with LCD).

e. ETE-16K-1 TEL

(16 line Multiline Terminal with directory

f. Single Line Telephone without Message Wait Lamp.

g. Single Line Telephone with Message Wait 230.2 Site Su vey ..... saver Lamp.

EDE-30-1 DSS/BLF Console.

i. EDE-30-1 CO Add-On Module

#### 2. Interface ETUs

Table 200-1 shows the recommended quantities of MFR-EA ETUs. The actual quantity, for satisfactory service, would vary depending upon the amount of single line telephone, modem pooling, and voice mail traffic. Heavier traffic may require additional MFR-EA ETUs be installed even though the amount of SLTs installed are low, and UTE and astovi E OAS

Table 200-1 Recommended MFR-EA Quantities

SINGLE LINE TELEPHONES CONNECTED	MFR-EA ETUS RECOMMENDED
2-002	DT: BROW ROAS
1 - 20	1
21 - 40	2
9_000 41-60	3
2-002 61-76	en a Percolai P

To determine the quantity of interface ETUs required, refer to Table 200-3. (1997 AJJI) MA

For your reference, interface slot and port assignment numbers are shown in Figure 200-2.

CCU	P S U	R S G	0 P 1	0 P 2	M M C	O 125 P 126 3 127 128	121 122 123 124	117 118 119 120	113 114 115 116	109 110 111 112	105 106 107 108	101 102 103 104	97 98 99 100
Anni) O	2 3	R S G	O P	O P 2	M M C	O 93 P 94 3 95 96	89 90 91 92	85 86 87 88	81 82 83 84	77 78 79 80	73 74 75 76	69 70 71 72	65 66 67 68
CCU	PSU	R S G	0 P 1	O P 2	M M C	O 61 P 62 3 63 64	57 58 59 60	53 54 55 56	49 50 51 52	45 46 47 48	41 42 43 44	37 38 39 40	33 34 35 36
CCU	P S U	R S G	C P U	0 P 1	T S W	O 29 P 30 2 31 32	25 26 27 28	21 22 23 24	17 18 19 20	13 14 15	09 10 11 12	05 06 07 08	01 02 03 04

Figure 200-2 Interface Slot and Port Assignment Numbers

Common E'l Us.

a. A CPU-E( ) ETU must be installed in the CPU slot of the ESE-32B-1 CCU.

b. TSW-E, or TSW-EB ETU must be installed in the TSW slot in the ESE-32B-1 CCU, and and about

c. MMC-E ETU must be installed in the MMC slot in each ESE-32E-1 CCU.

d. SMDR-E ETU can be installed in any option (OP) slot in either the ESE-32B-1 or ESE-32E-1 CCUs.

e. LCR-E ETU can be installed in any option (OP) slot in either the ESE-32B-1 or ESE-32E-1 CCUs.

Divide the total number of interface ETUs by 8, If the result is not a whole number, round it up to the next higher whole number. The whole number minus one is the quantity of ESE-32E-1 CCUs required. som is connected to the Electric Mar. II. an ESC-E

NOTE: If total number of interface ETUs is 8 and SMDR-E and LOR-E ETUs are installed, an ESE-32E-1 CCU is required.

c. PSE-AD-1, PSE-DD-1 PSUs:

One PSE-AD-1 or PSE-DD-1 PSU is required for each CCU. The quantity of ESE-32B-1 CCU and ESE-32E-1 CCU is equal to the total of PSUs required. PSE-AD-1 and PSE-DD-1 PSUs should not be installed in the same system together.

d. RSG-E Unit:

An RSG-E unit is required for each (or two adjacent) CCU in which SLI-E( ) and VMI-E ETUs are installed. The son of these and it is yet buildings

Table 200-2 Recommended RSG-E Quantities

SINGLE LINE TELEPHONES CONNECTED	RSG-E UNITS RECOMMENDED
0	Link Pope remain
ry for an SU42x116 Mersage	能數 Lis necess
rasbora to 2504800 and stutt	LUIS E2-LICTE
49 - 76	3

4. CCUs, PSUs, and RSGs and reduction and transfers 5. To Optional Equipment vallate and strong smooth a. An ESE-32D-1 CCU is always required. Table 200-4 shows optional equipment that can be b. ESE-32E-1 CCU: When a DPA-E, DTA-E, or both, are installed in a Multiline Terminal, the Terminal must be supported by an ESI-EB ETU.

Table 200-4 Optional Equipment

OPTIONAL	0.1550	MULTILINE TERMINALS								
EQUIPMENT	ETE-6-()	ETE-6D-()	ETE-16-2	ETE-16D()	ETE-16K-1					
HFU-E UNIT	NC	to teto	NC	ero.3	5 900 91					
DPA-E UNIT *	NC		NC	(8/0103)						
ADA-E UNIT	C		C	0						
DTA-E UNIT*	NC		NC		•					
NC = Not connectab	le		9-11-25	C = Conne	ctable					

NC = Not connectable

\*Required to be supported by an ESI-EB ETU. · = Compatible with other options simultaneously

ETU	CIRCUITS PER ETU	CALCULATION 9 9	MAXIMUM ETUS PER SYSTEM
COI-E()	4	Divide the number of CO/PBX lines being used by 4. (Note 1)	10 (Note 7)
ESI-EA/B	7.4 7	Divide the number of Multiline Terminals, CO Add-On Modules, and DSS/BLF Consoles being used by 4. (Note 2)	20 (Note 4)
SLI-EA/B	47	Divide the number of Single Line Telephones and/or Modems being used by 4. (Note 3)	19 (Note 4)
MFR-EA	2	See Table 200-12 ' 82 53 9 9 9 9	4
CNF-E	I,	The number of Conference circuits being used.	400
ECR-E) 8	0 160 0 67	When installing multiple zones of External Page, Chime, BGM to Multiline Terminals, or Delay Annoucement Unit, and/or tone ringers, an ECR-E ETU is required.	1
VMI-E 8	0   51	When connecting Voice Mail system, Single Line Telephone, and/or Dictation equipment and some Auto Attendant, VMI-E ETU is required.	1 (Notes 4, 5, & 6)
TLI-E	2	Divide the number of DID and/or Dial Pulse E&M Tie Lines being used by 2. (Note 1)	20 (Note 7)
LI-EB	1. G. (1. 2. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Divide the number of DTMF/Dial Pulse E&M Tie Lines being used by 2. (Note 1)	20 (Note 7)

Note 1: If the result is not a whole number, round it up to the next higher whole number

Note 2: A Multiline Terminal, with DPA-E unit (Off-hook Announcement Adaptor) or DTA-E unit (Data
Switching Adaptor) installed, requires an ESI-EB ETU, divide the number of those Multiline Terminals
installed by 4. If the result is not a whole number, round it up to the next higher whole number. This is the
quantity of ESI-EB ETUs required.

If some ports are still available on an ESI-EB, subtract the number of available ports on the ESI-EB-ETU from the number of Multiline Terminals being used w/o DPA-E or DTA-E units. Then, divide the number by 4. If the result is not a whole number, round it up to the next higher whole number. This is the quantity of ESI-EA ETUs required.

Note 3: It is necessary for an SLT with Message Wait lamp and/or Power Failure Transfer to be supported by an SLI-EB ETU. Divide the number of modems (used for Modem Pooling) and/or Single Line Telephones with Message Wait lamp by 4. If the result is not a whole number, round it up to the next higher whole number. This is the quantity of SLI-EB ETUs required.

If some ports are still available on an SLI-EB ETU, subtract the number of available ports on the SLI-EB from the number of Single Line Telephones w/o Message Wait lamp. Then divide the resulting number by 4. If the result is not a whole number, round it up to the next whole number. This is the quant ty of SLI-EA ETUs required.

Note 4: Combined total of ESI-EA, ESI-EB, SLI-EA, SLI-EB and VMI-E ETUs cannot exceed 20. (80 stations maximum and six EDE-30-1)

Note 5: When a Voice Mail system is connected to the Electra MarkII, MFR-EA and RSG E PU(s) may be required, depending on the model of Voice Mail system.

Note 6: When Modem Pooling and/or a Voice Mail system is connected to the Electra Mark II, an RSG-E and MFR unit may be required.

Note 7: Combined total of CO/PBX, and E&M Tie lines cannot exceed 40. COI-EB ETU's support Centrex ring patterns.

"Requires to be experienced by an ESI ES

o. PSEAD 1 'SE DD-1 PSUs. One PSE-A b-1 or ESEADD 1 PSU is required for each CCU. The quantity of ESE-323-1 CCU. and PSE 32E-1 CCU is equal to the tetal of PSUs

200-4

220.5 POWER REQUIREMENTS

 When AC power is to be used to power the system, a PSE-AD-1 PSU must be installed in each CCU.

The system must have a dedicated grounded nominal  $117 \text{VAC} \pm 10\%$  outlet separately fused for 1.6, 3.2, 4.8 or 6.4 AMPS RMS (depending on CCU requirements). (See paragraph 2:0.12).

The AC outlet must be a standard 125 Volt 15 Amp three-prong type which provides circuit ground. If circuit ground is not available, a locally provided frame ground to earth ground connection must be provided. (See paragraph 220.6).

The AC power must be within the limits provided in paragraph 220.12 of this document.

It is recommended that the best locally available AC surge protection be installed at the AC power outlet.

2. When DC power is to be used to power the system, a PSE-DD-1 PSU must be installed in each CCU. A locally provided nominal -48VDC power source must be connected to the PSE-DD-1 PSUs.

A frame ground, to earth ground, connection must be provided, as described in paragraph 220.6. The -48VDC power source must operate within the limits provided in paragraph 220.12.

220.6 GROUNDING REQUIREMENTS
The CCUs must be properly grounded. If circuit ground is not available at the dedicated AC outlet, the following steps should be taken:

- 1. Provide a suitable cold water pipe ground in accordance with the operating telephone company procedures.
- 2. If no water pipe ground is available, a ground rod should be installed in accordance with the local operating telephone company procedures.
- 3. Where a ground other than conduit ground is used, a grounding terminal is provided on the ESE-32B-1 CCU as shown in Figure 200-3.
- 4. Modem Pooling Grounding Requirements; The RS-232C is susceptible to noise and static, and requires proper grounding to protect the DTA-E unit and DTE connected to it. Normally, a DTE with RS-232C interface has its frame ground connected to earth ground. Therefore, ensure the DTEs connected to DTA-E units are properly connected to earth via circuit ground, of its AC power cord.

The same care should apply to a modern connected to the DTA-E unit.

If a modem is not provided with a three-prong type AC plug supporting conduit ground, the modem must be properly connected to earth ground.

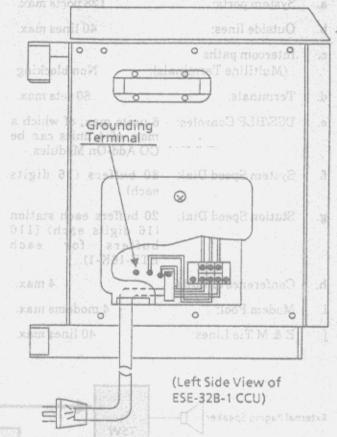


Figure 200-3 CCU Grounding

220.7 ELECTRICAL NOISE GENERATORS
Equipment such as welding machines, thyristordriven power supplies, electric motors, etc., generate
electrical noise. As a stored program unit, the Electra
MarkII system is vulnerable to this noise. When this
type of machinery is present at an installation, the
following precautionary steps are urged:

- 1. Locate the CCUs, terminal equipment and cabling away from these machines.
- 2. If cables must pass near these machines, use shielded cable with the shield grounded.
- 3. Ensure all machines of this type are well grounded to a separate ground, to minimize noise interference.

220.8 ADDITIONAL EQUIPMENT

In addition to electronic station equipment, the CCUs and their components, other equipment is required. These are cables, modular connecting jacks, quick-connected to connect blocks, etc. This additional equipment must be locally supplied.

## 220.9 SYSTEM CAPACITY

1. Electra MarkII capacities are as follows:

a. System ports: 128 ports max.
b. Outside lines: 40 lines max.
c. Intercom paths (Multiline Terminals): Non blocking

d. Terminals: 80 sets max.

e. DSS/BLF Consoles: 6 units max; of which a max, of 4 units can be CO Add-On Modules.

f. System Speed Dial: 80 buffers (16 digits each).

Station Speed Dial: 20 buffers each station (16 digits each) (110 buffers for each ETE-16K-1).

h. Conference circuits:

4 modems max.

4 max.

Modem Pool:
 E & M Tie Lines:

g.

40 lines max.

NOTE: These figures represent the maximum of individual type devices. Since the system capacity is defined by the 128 ports, some devices may not be installed up to the maximum numbers, depending upon the system configuration.

2. The central equipment of this system consists of up to four Central Control Units (CCUs).

a. Basic CCU: 32 ports.

b. Basic CCU + 1 Expansion CCU: 64 ports.

c. Basic CCU + 2 Expansion CCUs: 96 ports.

d. Basic CCU + 3 Expansion CCUs: 128 ports.

3. A maximum of two DSS/BLF Consoles and one CO Add-On Module can be equipped at any attendant position, provided the system maximum of six units is not exceeded.

4. Combination of system speed dial memory numbers and any outside number can be assigned to station speed dial (Consecutive Speed Dial Memory Assignment). By using this technique, numbers longer than sixteen digits can be available for speed dialing.

Bullion and the state of the st

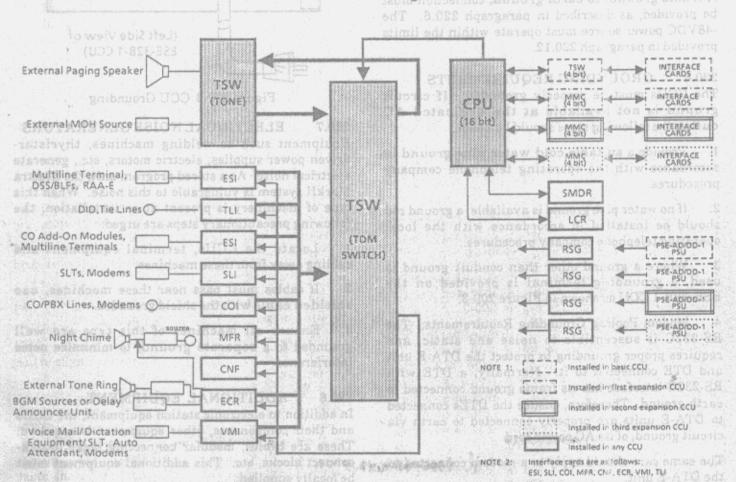


Figure 200-4 System Block Diagram

The state of the s

cable cable

# 220.10 INSTALLATION EXAMPLE

Table 200-5 provides an example to help in understanding some of the requirements when configuring a system. In this example, 12 CO lines, 12 Multiline Terminals (without optional equipment), 5 Multiline Terminals with DPA-E unit, 3 Multiline Terminals with DTA-E unit, 2 Multiline Terminals with both a DTA-E and DPA-E unit, 10 SLTs without message wait lamp, 6 SLTs with message wait lamp, 3 external speakers for zone paging, 6 handsfree units, 4 ADA-E units, 2 conference circuits, 4 E&M Tie Lines, 3 DSS/BLF Consoles, 1 CO Add-On Module, LCR and SMDR are being installed. Refer to Figure 200-4 to help in the conceptional understanding of the system being installed.

# 220.11 CABLING REQUIREMENTS

Each CCU is equipped with three 50 position miniature ribbon type (female) amphenol connectors. 50 position miniature ribbon type connector (male) ended cables are required for connections to the Main Distribution Frame (MDF).

Allowable loop resistance, maximum length, and type of cable is as follows:

1000	Loop Resistance	38	Cable	Length,	using	24	AWG
	TOPONY W. V. N.			V - 12 19.			

- a. ETE-6-(): 800hms/1,500 feet(457m)
- b. ETE-6D-(): 65ohms/1,300 feet(396m)
- c. ETE-16-2: 55ohms/1,000 feet(305m)
- d. ETE-16D-( )w/BLF: 40ohms/820 feet(250m)
- e. ETE-16D-( )w/o BLF:55ohms/1000feet(305m)
- ETE-16K-1: M3 H 55 ohms/1,000 feet(305m)
- g RAA-E Unit: 55 ohms/1000 feet(305m)
- h. DSS/BLF Console: 55 ohms/1,000 feet(305m)
- i. CO Add-On Module: 55ohms/1000 feet(305m)
  - j. Single Line Telephone: 600 ohms (including instrument)

# . Cable Type

a.	Multiline Terminal:	Twisted 2 pair
b.	Single Line Telephone:	Twisted pair
c.	DSS/BLF Console:	Twisted 2 pair
d.	CO Add-On Module:	Twisted 2 pair
e.	RAA-E Unit:	Twisted 2 pair
f.	Music Source: Hi-Fi type sh	rielded audio cable
g.	External amplifer: Hi-Fi t	

Table 200-5 System Configuration Example

Table 200-5	System Co	infiguration Exa	ampie	ALR I L
	SYSTEM EQUIPMENT QUANTITY	REQUIRED UNITS	SLOT	UREMARKS H STOR
Central Control Unit	1	ESE-32B-1	Ken 1:17 4:5125	Bower Cossiliania
atrat Processor. 16 b Microsoft Strate	2 2	ESE-32E-1	7-00	nee Painles 200-6 and 2
Power Supply 65	0 3 5	PSE-AD-1	rodu CPSUrctuB	Table 200-7 Fower
Ring Generator	1	RSG-E	ALL MRSCA TA	NOTE 1
CO Line 1944 CROWN A RELWEST STON	12	3 COI-E/EB	3 interface slots	SOUTHOLAND
Tie Line porgozaim	4	2 TLI-E/EB	2 interface slots	Ve + Vis.
Multiline Terminals with DPA-E installed pressure and be	of 5		1.24	V88.0 + VA
Multiline Terminals with DTA-E installed	3) 3	3 ESI-EB	A0.8	ETE-6-( ) and ETE-16-2 TELs
Multiline Terminals with DTA-E and DPA-E installed	2	k	7 interface slots	equipped with DPA-E, HFU-I
Multiline Terminals without DPA-E installed Total	12	4 ESI-EA	Pare 1 Elica	
DSS/BLF consoles, CO Add-On Modules	4	1	200-6 and 200-	enids on DTA-E Units
Single line telephones with message wait lamp 3 MJ (1)	BO 6 a	2 SLI-EB		NOTE 2 DER
Single line telephones without message wait lamp	10	2 SLI-EA	4 interface slots	
DTMF Receiver Unit	1	1 MFR-EA	1 interface slot	allering stidence of
Conference Circuits	2	2 CNF-E	2 interface slots	TonarNoreacted d
External Speakers	3	ECR-E	1 interface slot	emakene taiertail) a
Station Message Detail Recording	1	SMDR-E	1 option slot	
Least Cost Routing	se Roblace	LCR-E	1 option slot	
Off-Hook Announcement MIG   ROTTSLEDSEG	10(7272.5)	7 DPA-E	REUR	Installed in Multiline Termine
Data Switching	5	5 DTA-E	ig .	Installed in Multiline Termina
Handsfree Unit	6	6 HFU-E		Installed in Multiline Termina
Ancillary Device Adaptor	4	4 ADA-E		Installed in Multiline Termina

NOTE 1: Install the RSG E unit in the CCU where all SLI-E( ) ETUs are installed, or use supplementary RSG cable, to support SLI in adjacent CCU's.

NOTE 2: Install all SLI-E ) ETUs in one CCU only, if not, then in two adjacent CCU's de la management and applifiers for paging must be locally provided.

Modem cable/DTA-E: RS-232C cable with jacks on both ends MARS paier dragal side (Special Null-modem cable, see Figure 200-55)

455 FE HAMPINE SE

i. Delay Annoucement Player: Hi-Fi type Manual 1238 amago A Jan shielded audio cable

# 220.12 POWER REQUIREMENTS

1. AC Input (PSE-AD-1)

a. 117 V AC ± 10% 60 Hz ± 10%, single phase

b. A dedicated outlet, separately fused and grounded, is required anangers? satisfying

DC Input (PSE-DD-1)

-40VDC - -56VDC (1.6 Amps maximum)

Table 200-6

MODULE	MAXIMUM RMS CURRENT	POWER
i I	1.6A	1,600 BTUs/hr
elfsyn <b>2</b> sblaine	egyd i 3.2A melile	3,200 BTUs/hr
elds5 3	4.8A	4,800 BTUs/hr
4	6.4A	6,400 BTUs/hr

NOTE: If PSE-DD-1 PSUs are installed, power dissipation of the -48 VDC power source and batteries must be considered.

Power Consumption (PSE-AD-1 and PSE-DD-1) see Tables 200-6 and 200-7.

Table 200-7 Power Supply Outputs A 329

DC VOLTAGE	MAXIMUM CURRENT
-24V ± 2V	100 14.5A 1 8
-5V ± 0.25V	1.2A
+5V ± 0.25V	8.0A

4. Power Supply Outputs (PSE-AD-1 and PSE-DD-1) see Tables 200-6 and 200-7.

RSG-E Unit

a. Output voltage: 70 - 120 VAC

Output frequency:

Output power: 4.1 VA

Fuse Replacement When a fuse is blown, refer to Table 200-2 replacement specifications.

# 220.13 ENVIRONMENTAL CONDITION

1. Temperature To the state of the state of

a. Operating: 32°F-104°F (0°C-40°C)

b. Recommended long term: 50°F - 90°F (10°C alinu serentana 0 managa anos rol resissage 32.2°C).

configuring a system in this example, 12 CO times. If

2. Operating Humidity: 10% - 90% relative. stback at bal at the beach non-condensing

# 220.14 an OUTSIDE LINE TYPE is alleged at \$-008

a. Two wire, loop start lines bell sand anied mestive

b. Two wire, ground start trunks

c. Two wire, loop dial DID pulse lines 1000 dass

d. Two wire, E&M Tie lines (type I or V, Dial Pulse or DTMF)

noted cables are sequired for conn e. Four wire, E&M Tie lines (type I or V. Dial Pulse or DTMF)

# 220.15 NETWORK AND CONTROL

1. Control

a. Control:

Stored program with distributed processing

Central Processor:

16 b t microprocessor

Clock:

8 MHz

d. Module Processor (TSW-E, TSW-EB & MMC-E):

4 bit 1 chip microprocessor

e. Interface card beliasail 3 A90 da

(COI-E(), ESI-E(), etc.):70 a

4 bit 1 chip microprocessor

f.s. Multiline Terminals

4 bit 1 chip microprocessor

DSS/BLF Console: 4 bit 1 chip microprocessor

water the terms of the V

Directory Multiline Terminal:

4 bit 1 chip microprocessor

Remote Administration Adaptor:

8 bit microprocessor

Table 200-8 Fuse Replacement

17 - 23 Hz

The state of the s

UNIT	FUSE#	SPECIFICATION	DESCRIPTION	DIMENSIONS
PSE-AD-1	F1	125V, 6.3A	AC INPUT	1/4" × 1 1/4"
PSE-DD-1	F1	125V, 8.0A	DC INPUT (-48V)	1/4" : 1 1/4"
RSG-E	F1 -	250V, 0.5A	DC INPUT (-24V)	13/64" x 45/64" (5mm x 20mm)

NOTE: All fuses used are normal blown glass tube or ceramic type. Do not use slow blow fuses.

		dansi	
a. Data length:	iline Te	eminal	
to ESI-E( From ESI- Multiline b. Data transmission r	E() to Termin	anento a al:	32 bits
A3.0 Between E Multiline	SI-E() a Termin	and al: 25	6k bits/sec.
c. Data transmission p To Multilin and EDE-	airs: ie Termi 30-1:	inals	bu A 1
d. Scanning time for ea Multiline T	ich 'ermina	T sail	32 ms.
3. Network was aware ore			
TDM switching TDM c ock TDM slot period		PC	(we Iii) M
TDM slot period TDM data bus TDM time frame			8 bit
4. Telephones	votan si	Han I	120 µs.
4. Telephones a. Multiline Terminal Voltage: Max. current:	and EDI	E-30-1 -11	unit: 26 VDC
188263-Gridax. corrent: 10	er der en gele	a shirt	200 mA
Acoustic characteristics m Association (EIA) standard pro	posal SP	-1286 ar	d standard
b. Single Line Telephor	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME	the state of the later with	o cempeus
Standard 2	ne 500 set:	50	0 network
Nominal of Ring signs	ne 500 set: turrent: al: 65	50 VAC R	0 network 35 mA MS, 20 Hz
Nominal of Ring signs	ne 500 set: surrent: al: 65	50 VAC R	0 network 35 mA MS, 20 Hz
Standard 2: Nominal of Ring signs DermII: Nominal of Ring signs Lamp signs Lamp signs 220.16 DIALING SPEC 1. Dial Pulse Address Signs	ne 500 set: current: al: 65  urrent: l: 50 al: IFICAT naling:	VAC R VAC F 53	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC
Standard 2: Nominal of Ring signs DiermII: Nominal of Ring signs Lamp signs Lamp signs 220.16 DIALING SPEC 1. Dial Pulse Address Signs a. Pulse rate	ne 500 set: current: al: 65  urrent: l: 50 al: IFICAT naling:	VAC R VAC R 53 CIONS	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC
Standard 2: Nominal of Ring signs  Derm[I: Nominal of Ring signs Lamp signs L	ne 500 set: current: al: 65 urrent: tl: 50 al: IFICAT	VAC R VAC R 53 CIONS	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC
Standard 2: Nominal of Ring signs DiermII: Nominal of Ring signs Lamp signs L	ne 500 set: urrent: d: 65 urrent: sal: 50 aal:	VAC R VAC R 53 CIONS 10 61 ±	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC
Standard 2: Nominal of Ring signs  DiermII: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65 urrent: sl: 50 al: slificaT naling:	VAC R VAC R 53 CIONS 10 61 ±	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC
Standard 2: Nominal of Ring signs  Dierm II: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65 urrent: 50 al: FICAT naling:	VAC R VAC R 53 CIONS 10 61 ± nomin	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC pps/20 pps 3 percent al 700 ms.
Standard 2: Nominal of Ring signs  Dierm II: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65  urrent: set: 50 al: al: al: al: o-9 Nominal	VAC R VAC F 53 CIONS 10 61 ± nomin	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC pps/20 pps 3 percent al 700 ms.
Standard 2: Nominal of Ring signs  Dierm II: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65  urrent: set: 50 al: al: al: al: o-9 Nominal	VAC R VAC F 53 CIONS 10 61 ± nomin	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC pps/20 pps 3 percent al 700 ms.
Standard 2: Nominal of Ring signs  Dierm II: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65 urrent: tl: 50 al: IFICAT naling:	VAC R VAC R 53 CIONS 10 61 ± nomin High cies (H	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC pps/20 pps 3 percent al 700 ms.
Standard 2: Nominal of Ring signs  DiermII: Nominal of Ring signs Lamp signs	ne 500 set: current: al: 65 urrent: tl: 50 al: IFICAT naling:	VAC R VAC R 53 VAC R 10 61 ± nomin High cies (H	0 network 35 mA MS, 20 Hz 20mA MS, 16Hz -88 V DC pps/20 pps 3 percent al 700 ms.

941

b. 1	Frequency deviation		than ±1.5%
C.	Signal level:		
	Nominal level p	er frequency	:-64dBm.
freque	nusoidal signals, one f encies and one from ncies.	romahigh g a low gro	roup of three
12.578	Minimum level	per frequenc	y: 125/1821
9146	Low group.		-10dBm.
12303	High group:		-8 dBm.
70,14.5 e 70,655	Maximum level frequency pair		+2dBm.
d.	Rise time:		Within 5 ms.
e.	DTMF tone duration:	102 Son	. National
18118	Default:	2 19.5	110 ms.
	[1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2		60 ms.
8.7.85	Maximum:	sectived 4	760 ms.
f.	Interdigital time:	3500	. 0.48.1131
100 A 15	Provincial programme in the programme of the property of the programme of	RdFS	70 ms.
	Minimum:		40 ms.
18.15	Maximum:		180 ms.
2	ialing Memories		
	lating Wemories	A ing. 14ag.	1-018-6-27-18
<b>a</b>			
1 8178	20 buffers (16 di 110 buffers (	gits each) per	rstation
(325)	ETE-16K-1	to digits	each) per
c.	System speed dialing Last number redial:	each)	per system
d.	Saved number dialed:	(Save & Re	peat) 80 per
		system (16 d	ligits max.).
220,17		IID	
1. B. Cl Tl re da	ackup Battery power PU-E(), the SMDR-E hese NiCad batteries stain memory conten sys, when power is rem	er is equip and the L s, when ful ts for appro oved from th	ped on the CR-E ETU. ly charged, eximately 7 ese ETUs.
ar	unctions receiving bac e as follows:	kup with ba	ittery power
a. b.	System Program Speed Dial Memories Night Transfer Status	(System and	Station)
danio e.	Call Forwarding Clock/Calendar		
g.	Message Waiting	ossana rama. Para Riange	
13:30	Save & Repeat SMDR Data	O Havedit	
k.	LCR Data		
	Forced/ Verified Acco	unt Codes	
	Maintenance & Diagn		nation

#

0

220.18 DIMENSIONS AND WEIGHTS

UNIT	SHIPPING WEIGHT (kg)	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)
ESE-32B-1	43 lbs. 3oz. (19.6)	(375)	25 9/16" (640)	12 5/8" (320)
ESE-32E-1	26 lbs.	11 13/16"	25 9/16* (640)	12 5/8" (320)
PSE-AD-1	3 lbs. 11oz. (1.7)	8 3/32" (206)	3 15/16" (100)	9 1/16" (230)
PSE-DD-1	3 lbs. 11oz. (1.7)	8.3/32" (206)	3 15/16" (100)	9 1/16" (230)
RSG-E	5 lbs. 5oz. (2.4)	8 3/32" (206)	2 5/32" (55)	9 1/16" (230)
RAA-E	2 lbs. 6oz. (1.1)	2 5/32" (55)	3 15/16"	7 7/8" (200)
ETE-6-()	2 lbs. (0.9)	3 5/16" (84)	67/32" (158)	8 7 /8" (225)
ETE-6D-()	2 lbs. 10oz. (1.2)	3 5/16" (84)	85/32" (207)	8 7 /8" (225)
ETE-16-2	2 lbs. (0.9)	3 5/16" (84)	67/32" (158)	8 7 /8" (225)
ETE-16D-()	2 lbs. 10ez, (1.2)	3 5/16" (84)	8 5/32" (207)	8 7/8" (225)
ETE-16K-1	2 lbs. 14oz. (1.3)	3 5/16" (84)	10 3/8" (263.5)	8 7 /8" (225)
EDE-30-1	14oz. (0,4)	3 5/16" (84)	3 5/8" (98)	87/8" (225)

# 220.19 EXTERNAL EQUIPMENT INTERFACING Music on Hold (MOH) 0.6 VRMS signal level

Input impedance: bessie redesign by 10k ohms

2. SMDR Output: Female connector (System output), Standard RS-232C

External Paging (Audio): YSSTIAS

a. Output power: -10.0 dBm signal level

Output impedance:

Hookswitch Contacts; street violegin play

Contact rating: 100 mA, 48V DC

# NOTE: Do Not Send AC Signal Through Hookswitch Contacts.

BGM & Delay Annoucement Input:

Auxiliary input: 0.1VRMS signal level

Input impedance:

50k ohms

External Paging Contacts: Tebrala O deolo Contact rating:

500 mA, 24V DC

External Tone Ringer Output

Output Level: 0.1V peak to peak - 1.0V peak alad ad to peak, b. Output Impedance: 600 ohms

Relay Contact Rating: 500 mA, 24V DC C.

8. Night Chime

Relay Contact Rating:

500 mA, 24V DC

DTA-E Relay Contact Rating: 24VDC: 120 VAC:

1A 0.5A

#### 220.20 VISUAL and AUDIBLE INDICATIONS

Audible Indications:

Audible indications from a Multiline Terminal are shown in Table 200-11.

- Multiline Terminal Visual Incications: LED indications on a Multil ne Terminal and CO Add-On Module are shown in Table 200-12.
- 3. EDE-30-1 Visual Indications: LED indications on a EDE-30-1 unit are shown in Table 200-13.

220.21 DATA EQUIPMENT IN TERFACING The DTA-E unit is provided with an RS-232C for interfacing with Data Terminal Equipment (DTE). Prior to configuring a system with data capability, you should complete the Job Specification (ND-20234) sheets provided with the CPU.

An understanding of system programming is required to complete the Job Specification sheets (See Chapter 3, Programming).

This section contains specifications for the DTA-E unit and precautions that must be followed when installing the DTA-E unit.

Interface

The DTA-E unit is equipped with a female RS-232C connector to support the RS-232C interface. For internal data communication, speeds of up to 9.6 kbps can be accommodated by the RS-232C interface. For connection of an interface unit; a 25 pin RS-232C connector is provided with the configuration shown in Table 200-14.

2 · TXD	iqueacie. Table 200-9
3 • RXD	
* . Trip	NOTE: Other pins are
	not connected
6 • DSR	
7 • SG	
o DCD	7.49
20 • DTR	
22 * RI	A TOTAL THE WALL

TONE	FREQUENCY (Hz	TONE PATTERNS
Dial Tone	350/440	40111
Second Dial Tone 599	350/440	ungullin.
Busy Tone	480/620	60 IPM Prid To
Call Waiting Tone	440	60 TEM
Ringback Tone	440/620	1 sec. ON 2 secs. OF F
Reorder Tone	480/620	سسستتسس
•Attendant/Tone Override •Camp-On Tone	440	ON (Monitor or Handaces)
●Call Forward Alert Tone ●Call Forward Confirmation Tone	350/440	0.25 400 ON x2 - 3 bursts
Confirmation     LCR Dial Tone	440	Caer Programming
Error Tone Burst 1889	620	0.25 sec. ON x 2 - 3 bursts 2 13 2016
Recall Tone lost	1024	Incompton Camp-On Overto
CO/PBX Ring Tone Note	480/606	2 sac ON OW) (10 s GVI) MO drussed savi
CO/PBX Ring Tone Note	480/606	60 EM 210 1890 SH 25 S
Internal Ring Tone and Attendant Calls	480/606	1 sec. ON 2 secs. OFF
Boss/Secretary Ring Tone	480/606	0.5 sec. 1.5 sec.
DIT Alert Tone	480/620	0.5 sec. (A) Sada Sada Sada O no 1
Voice Page Alert Tone	440	site 9 eta Cloteboly.
NOTE: Centrex Ringing	Appropries production requirement	Request for modent all modens busy or distant and modens not connected first from modern call
the first of the second section is a second section of the second section $\log R$	n fra den klaga dar su fra daz la de este el de est klada den else	

NOTE in Green LED muteations are not provided for MIC SPKR (ESF and ANS keys on of staline Terminals, for for active line butters are RTE S-() Multitine Terminals, of preceded, red LEL will light in place of green LEDs on the FTE-S-() Multitine Terminal).

NOTE-2: DND and Save & Repeat finalisms may be assigned on line butters.

\*Applies to CO Add-On Medule as well as Multiline Terminals.

Table	200-12	LED F	lash Patter	'n

LED	CONDITION	ionaogani	FLASH PATTERNS	
	I-Use	ALMORE		-Pidl
	Busy	The Track of the Army State of the State of	Green	Second
Outside	Incoming Call	380/440	Red Red	
Extension Line *	I-Hold	negogi.	Green	Tyanki.
	Call Hold	Market Market State Control of the C	Red	1150 L
	Recall	023/024	Green	edyaifi.
Microphone	ON (When mic button ON)	00003	and the second s	21/10/07/
Speaker	ON (Monitor or Handsfree)		Red	maxi A Ø
openie.		440	Red	cons 36 i
Parks and the state of the stat	Conference in progress All Conference circuits busy	The state of the s	Red Tali A L Swan	THESE
Conference	Establishing conference		enal Red	in the college of the
Alexander of the second	User Programming	-0/->	Red at Tial C	
	Broker's Call	600	Red family sool	nama i
Answer	Incoming call, Camp-On Override, Recall	1024		Trans.
Do Not Disturb	ON (DND set) (Note 2)	Special	Red	State of the state
Save & Repeat	ON (Saved) (Note 2)		Red	
	Modem connection established	000105	STORE STORE A	annua E
	No Data Path available	poemar	GreenanT valid to	
DT	yes yes yes an analysis of the second	500V034	Red	Printed the Control
or DR	Request for modem; DTE turns ON Outgoing Data Call (internal)	DEBLOS2.	Green	
	Incoming Data Call		Red	
	Modem/Data Path reserved	NS_3	Green	Voice
	Request for modem; all modems busy or distant end modem not connected first from modem call.		Red	. NOTE:
	Modem not ready.		Red	

NOTE 1: Green LED indications are not provided for MIC, SPKR, CNF and ANS keys on Multiline Terminals, nor for outside line buttons on ETE-6-() Multiline Terminals. (Therefore, red LEDs will light in place of green LEDs on the ETE-6-() Multiline Terminal).

NOTE 2: DND and Save & Repeat functions may be assigned on line buttons.

\* Applies to CO Add-On Module as well as Multiline Terminals.

LED	noisa STATUS sits bas (in	10.70	FLASI	I PATTE	RNS	1)42 1)42 1,43 1,43 1,43 1,43 1,43 1,43 1,43 1,43
tike ob sit o be part	Station is idle or in the busy mode and it's Primary	102	RS-235G Little	Aris U.S.	VE.0 2 VP.11	V11+
thereby he	Extension has an incoming call, call on hold, or recalling call.	1 01	RS-2370 Line Drive	Asin 08	Red VSC ± VAS:	VI.
	Station is off-hook on a call	oati	DIA-S Circuit	Arg 85	V2.0 ± V8.31	TEVAS
DSS KEY	and it's Primary Extension is idle or in the I-Use mode. **	enni espe			Green	
	it's Primary Extension is in use by another station * or off- line or station lockout.	egy) Logg Sant	- GND 1	1:	Red (Fla	VSI+
nouplan of That a sor	Do Not Disturb	1080	781		Red (Wir	king)
nternal and xternal aging	ooth to each job. In sebelding to be a DF, the installer may encounts a following:	ti an	Tribletor	Power Cat	B-ATO 0008 a	Figur
Message Waiting	DSS/BLF in Message Mode, Message at station and to sealbo	6 <b>3</b> 971	pment to the	upa lank	Redio g	
Night Transfer	Night Modesque eldslievs edT	9260	sazt straight end must be		mala, cannecte	And the second second
anoile:	ON No proposed location has limit	sec	maminal sec	0 feet (15s	And the state of the state of the state of	dryned .

Steadily Lit Red LED Attendant cannot override a station in this condition Flashing Red LED - Attendant cannot override a station in this condition Winking Red LED Attendant can override a station in this condition Steadily lit Green LED - Attendant can override a station in this condition LED OFF - Attendant can call a station in this condition

LED OFF Attendant can call a station in this condition
LED indications on DSS keys are the same regardless of dual path, but what Attendant can do may be different.

NOTE 3: On the Multiline Terminals with built-in BLF, LED flash patterns are same as the ones on the DSS/BLF Console, but green is not available.

\* = Phantom extensions appearing on the DSS/BLF also provide this indication when in use.

\*\* = Virtual extens ons appearing on the DSS/BLF also provide this indication when in use.

that should be considered prior to installing an

# Table 200-14 DTA-E/RS-232C Connector Pin Configuration Configuration

PIN#	SIGNAL FLOW	DESCRIPTION
1 5	DTE DCE	Frame Ground (FG)
a 2 df	DTE DCE	Transmit Data (TXD)
30	DTE DCE	Receive Data (RXD)
4	DTE DCE	Request to Send (RTS)
e15% e	DTE	Clear to Send (CTS)
d 6000	DTE DCE	Data Set Ready (DSR)
107110	DTE + DCE	Signal Ground (SG)
9	DTE DCE	Data CarrierDetect (DCD)
20	DTE DCE	Data Terminal-Ready (DTR)
22	DTE DCE	Ring Indicator (RI)

Note: Either full or half duplex can be accommodated with the RS-232C interface. 2. Grounding Requirements maleys illamid satisfied

Proper grounding is required to protect the DTA-E unit and the data terminal equipment connected to the DTA-E unit. Usually, data terminal equipment with an RS-232C interface has its frame connected to earth ground. Ensure that data terminals connected to the DTA-E units are properly connected to earth ground via circuit ground of the AC power cord used in the data terminals.

Power Requirements The DTA-E unit is provided with an AC/DC power supply adaptor as an attachment. Specifications for this AC/DC adaptor are as follows:

> •AC Input: 120V AC, 60 Hz, single phase •DC Output: 11 pid asog bas asignal sign

	Table 2	00-15	deschal lauz
NOMINAL DC VOLTAGE	DC VOLTAGE TOLERANCE	CURRENT	Aluse
+12V	11.4V ± 0.3V	210 mA	RS-232C Line Drive
-12V	12.6V ± 0.3V	80 mA	RS-232C Line Drive
+12V	12.4V ± 0.3V	65 mA	DTA-E Circuit

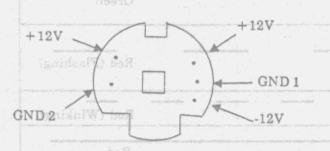


Figure 200-6 DTA-E Power Connector

Cabling Requirements For connecting of data terminal equipment to the DTA-E unit, a locally provided RS-232C straight cable with a male connector at each end must be obtained. Cable specification is as follows:

Length:

50 feet (15m), maximum.

Type: Shielded RS-232C straight cable with at least one RS-232C male connector.

# SECTION 230 SITE PREPARATIONS and MDF / IDF CONSTRUCTION OF ASSISTANCE

GENERAL INFORMATION This section presents a survey of the planning details that should be considered prior to installing an Electra MarkII system. Detailed planning in advance of the actual installation will help ensure that minimum time and cost are incurred and, concurrently, will cause a minimum disruption of the customer's business activities. Additional benefits of a well planned and executed installation include flexibility for changes and expansion at minimum cost, efficient maintenance, and increased customer satisfaction.

# SITE SURVEY

In most cases, a survey of a customer's premises is needed to develop a cost estimate of the installation. This preliminary data should be used in the site selection of the Main Distribution Frame (MDF). A second visit to the job site may be necessary, to obtain exact dimensions of the area selected for the MDF, cable lengths and possible IDF locations. This

dinformation will provide the basis for planning an orderly and efficient installation.

For example, the collected data about the job site will generally permit the MDF to be partially preassembled at the installer's shop, thereby helping to minimize the time spent at the customer's premises.

Preassembling the MDF, and IDF, is especially advantageous for those jobs where the MDF, or IDF, must be placed in an area that is awkward for this type of works at to albi at noitable

# 230.3 SITE LIMITATIONS

Installation of a telephone system is seldom a straightforward routine procedure. The uniqueness of each customer's situation requires a tailored approach to each job. In selecting a permanent site for the MDF, the installer may encounter problems such as the following:

·Limited space is available and must be used, regardless of its suitability.

The available space may be adequate but may pose one or more environmental hazards.

The proposed location has limitations, such as, insufficient lighting, or the lack of a suitable ground, for grounding the CCUs, 1 based at 2 TOM

Whatever the nature of the adversities encountered, the installer must make the nece sary decisions to arrive at the best possible solution for the equipment being installed and the customer. It is beyond the scope of this document to cover all possible situations and solutions. The following are general guidelines, precautions and actions which should be observed to help make the installation decisions.

NOTE: Certain specific requirements and precautions, if not followed, will impair the reliability of the system.

SITE SELECTION CONDITIONS The following conditions should be met at the site chosen for mounting the Central Control Unit (CCU).

Up to three CCUs are normally wall mounted, to protect against accident or flooding. When this is done the fourth CCU must be wall mounted, but separated from the other three CCUs by an additional base panel placed atop the third CCU. Then the top panel is mounted on top of the 4th CCU. When floor mounting is used with 4 CCU's there is no need for a second base panel, however the 4th CCU must be secured to a wall. Use of a 3/4" fire retardent plywood backboard is recommended for this purpose.

- B. The CCU should not be located directly beneath pipes, due to the possibility of leaks or condensation causing damage to the Electra MarkII equipment.
- C. The area in which the CCU is to be located must be free of corrosive and inflammable gases, excessive chemical or industrial dusts, and other materials which could cause a hazard to personnel or to the proper functioning of the equipment.
- D. Heat and humidity must be within the limits provided in Section 220.13, of this document.
- E. Although t's virtually noiseless operation allows a wide selection of installation sites, care should be taken that CCU(s) do not present a hazard to office traffic. For purposes of economy a central location, to minimize cabling, is often used.

230.5 MDF CONSTRUCTION

The Main Distribution Frame (MDF) consists of two different types of standard quick-connect terminal blocks, which are to be mounted onto the 3/4" plywood backboard. For the sake of neatness and ease of access, it is also recommended that the blocks be mounted on appropriate standoffs. The recommended blocks are; the 66B50 type, for termination of the CCU J cables, and the 66M50 type, for termination of the station cables.

The Intermediate Distribution Frame (IDF) requires only the 66M50 type blocks.

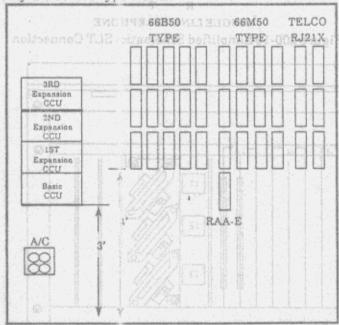


Figure 200-7 Typical Full MDF Layout

Both the MDF and the IDF utilize standard bridging clips for each type terminal block. The bridging clips are used to mate the left half, of the terminal block (terminated cable run) to the right half, of the terminal block (cross connection wire). The bridging clips are also useful during trouble shooting, to help isolate the cable runs and terminals/telephones from the central equipment, and the Central Office Network from the system.

Refer to Figure 200-7 for a suggested MDF layout. Refer to Section 240, of this document, for CCU wall mounting.

230.6 CCU CABLES

Each CCU is equipped with three 50 pin, female amphenol type connectors. These connectors are designated J1 to J3. Since each CCU uses the same designations for the J connectors, it is recommended that the MDF terminal blocks be labeled with the CCU number as well as the connector number; for example: IJ1, 2J1, 3J1, 4J1, IJ2, etc.

230.7 OUTSIDE LINES

- A. The FCC authorized connector for the connection of CO lines is an RJ21X. The CO lines will be connected in sequence within this termination block, therefore, the lines must be ordered in the appearance order best suited to the customer's usage.
- B. Table 200-15 provides complete information about the 50 position connector, showing pin number, lead function, running cable color, and circuit designation.
- C. Ground start and/or Loop start, loop dial DID, 2 and 4 wire E&M Tie lines, (types I and V), can be connected to this system. It is recommended that only twisted pair wiring be used to cross connect the lines from the RJ21X termination block to the MDF. Refer to Table 200-15 for proper connection identification.
- D. HALF-TAPPING or PARALLEL CONNECTIONS MUST NOT be used on outside lines connected to the Electra MarkII System. This practice generally results in system malfunctions on the outside lines.
  - E. Table 200-15 includes termination of PT and PR designations, for the Power Failure Transfer feature. Any time a power failure, or brownout, occurs in the system, central office Tip and Ring will be present at these terminals. Cross connection between a CO tip (T) and ring (R) and an SLI-EB ETUs PT and PR, provides power failure transfer to a Single Line Telephone installed within the system.

230.8 STATION EQUIPMENT

A. When connecting Multiline Terminals, DSS/BLF Consoles, or CO Add-On Modules to the MDF, or IDF, individually twisted two pair cabling must be used.

Refer to section 220.11, of this document, for specifications, Table 200-15, for lead identifications and Figure 200-8, for station modular jack (RJ13C/W) connection.

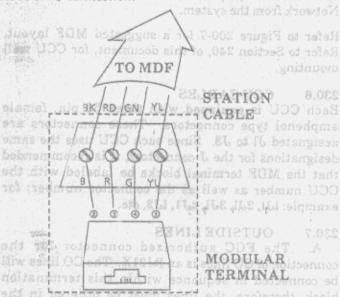


Figure 200-8 View of Modular Terminal for Connection of Multiline Terminals, DSS/BLF, CO
Add-On Modules, RAA-E, and SLT

B. Only DTMF dial, Single Line Telephones (SLT), standard 2500 type, are able to dial within the Electra MarkII System. One pair cabling is required, it is recommended that twisted pair cabling be used.

Refer to Section 220.11, of this document, for specifications, Table 200-15, for lead identifications

and Figure 200-10, for simplified chematic of station Itermination.

C. When SLTs are installed, they can operate as power failure telephones, via cross connection on the MDF.

As an example, to have a Single I ine Telephone ring on incoming calls to CO3, during a power failure, or brownout, connections on the MDF are as shown in Table 200-15.

NOTE: SLTs used for Power Failure Transfer must be supported by an SLI-EB FTU.

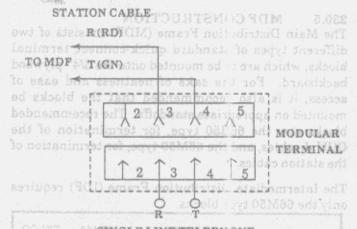


Figure 200-10 Simplified Schematic - SLT Connection

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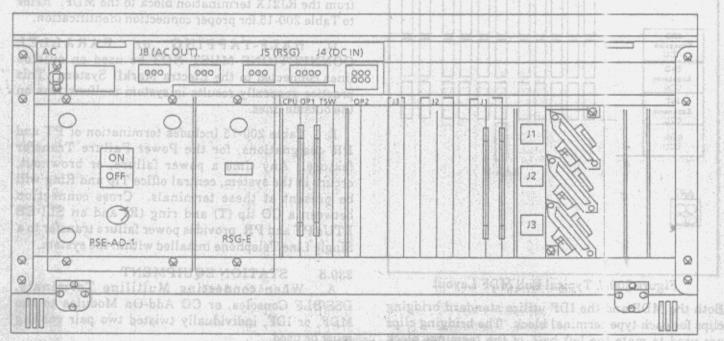


Figure 200-9 Front View of ESE-32B-1 CCU

MILITA SHAPE TO SEE MICHIGAN AS A

Table 200-15 J1 - J3 Connection Information / I Connector and Port Relationship

-	1 4	Die 200-15	01-0	3 Coni	nection Inf LEA		CTIONS		Port	Kelations	UID	22, 20, 200
PIN	RUNNING CABLE	STATION CABLE	KEY	SLT / VMI Note 2	LOOP, DID DIAL	CO .	2 WIRE E&M TIE LINE	4 WIRE E&M TIE LINE See Note 3	ECR in te	eind 1eT.] ar send ar (See	S ed 2 lo ebistuo t eo Nota et	in gynik di alah iyakali
26 1 27 2	WH-BL BL-WH WH-OR OR-WH	GN RD BK YL	TA RA TB RB	T R PT PR	T R	T R	R E M	M E ddinba a	1A 1B 2A 2B	PORT 01 "33" (65) (97)	PORT 13 "45" (77) {109}	PORT "57" (89 (121
28 3 29 4	WH-GN GN-WH WH-BR BR-WH	GN RD BK YL	TA RA TB RB	T R PT PR	T R	T R	T R (>E) ()	NEIN W M	3A 3B 4A 4B	PORT 02 "34" (66) (98)	PORT 14 "46" (78) (110)	PORT 2 "58 (90 {122
30 5 31 6	WH-SL SL-WH RD-BL BL-RD	GN RD BK YL	TA RA TB RB	T R PT PR	N/C	T R	U SN/C In	R R T1 37	5A 5B 6A 6B	PORT 03 "35" (67) (99)	PORT 15 "47" (79) (111)	PORT 2 **59 (91 {123
32 7 33 8	RD-OR OR-RD RD-GN GN-RD	GN RD BK YL	TA RA TB RB	T R PT PR	N/C	T R	ifaw ce	T R T1 R1	nd n N/C	PORT 04 "36" (68) (100)	PORT 16 "48" (80) (112)	PORT 2 **60 (92 {124
34 9 35 10	RD-BR BR-RD RD-SL SL-RD	GN RD BK YL	TA RA TB RB	T R PT PR	T R d eds Insta gwn:se os	T R	T R E M	ing Entire	1A 1B 2A 2B	90RT 05 "37" (69) (101)	PORT 17 "49" (81) (113)	PORT 2 "61 (93 (123
36 11 37 12	BK-BL BL-BK BK-OR OR-BK	GN RD BK YL	TA RA TB RB	T R PT PR	T eing Abe o Ul, mous saket san	T R	In Tours	E M	3A 3B 4A 4B	PORT 06 "38" (70) {102}	PORT 18 "50" (82) {114}	PORT 3 "62 (9) (12)
38 13 39 14	BK-GN GN-BK BK-BR BR-BK	GN RD BK YL	TA RA TB RB	T R PT PR	N/C	GT BR	lansq to	R T1 R1	5A 5B 6A 6B	PORT "39" (71) {103}	PORT 19 "51" (83) (115)	PORT 3 "6; (9) (12)
40 15 41 16	BK-SL SL-BK YL-BL BL-YL	GN RD BK BK	TA RA TB RB	T R PT PR	OR sample N/C	T R	gas eds ONO	T R Ti R1	N/C	PORT 08 "40" (72) (104)	PORT 20 "52" (84) (116)	PORT 3 "64 (19) (12)
42 17 43 18	YL-OR OR-YL YL-GN GN-YL	GN RD BK YL	TA RA TB RB	T R PT PR	on Tribil adW 1	T R	Bacce	tted on the load skana reci <b>M</b> tall		PORT 09 "41" (73) (105)	PORT 21 "53" (85) (117)	N/C
44 19 45 20	YL-BR BR-YL YL-SL SL-YL	GN RD BK YL	TA RA TB RB	T R PT PR	ris rigame of graingus of frame, awa	DIRE	Lo Elected	is no awa gaile con d orM has	3A 3B 4A 4B	PORT 10 "42" (74) (106)	PORT 22 "54" (86) (118)	od odrio J N/C
46 21 47 22	VI-BL BL-VI VI-OR OR-VI	GN RD BK YL	TA RA TB RB	T R PT PR	nuoN/C leal bubiv	R R	ing the N/C	fud Twest Tiess R1	100000000000000000000000000000000000000	PORT 11 "43" (75) (107)	PORT 23 "55" (87) (119)	taom m N/C
48 23 49 24	VI-GN GN-VI VI-BR BR-VI	GN RD BK YL	TA RA TB RB	R PT PR	URIN/C /	R R	M/C 1	T R R1	nities N/Cs Locite	PORT 12 "44" (76) {108}	PORT 24 "56" (88) (120)	sf sd N/C
50 25	VI-SL S SL-VI	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/C

NOTE1: 4 sets of numbers are provided. The number at the top corresponds to the base (main) CCU. The number in "quotations" corresponds to the first expansion CCU. The number enclosed in (parenthesis) corresponds to the 2nd expansion cabinet. The number enclosed in (braces) presponds to the 3rd expansion cabinet. NOTE 2: VMI-E or S. I-EA ETUs do not provide power failure transfer.

NOTE 3: The EM designations in bold letters corresponds to the first port of the TLI-() ETU while the designations shown with standard capital letters correspond to the second port.

For additional CO line connections to additional and an additional sound of the state of the sta

Since all of the SLTs must be equipped with DTMF dials, the outside lines must allow tone dialing, if dialing during power failure is required. If trunks are Ground Start then SLTs must be equipped with a ground button.

# SECTION 240 CENTRAL CONTROL UNITS (CCUs) CONNECTION 240.1 WALL MOUNTING THE CCU

NOTE: U.L. regulations require the fourth CCU to always be mounted to the wall, to be provided with a base panel and never to be attached to the other three CCUs, when they are also wall mounted. Mounting of the fourth CCU should be considered at the beginning but performed at the end of the CCU wall mounting.

- A. The ESE-32B-1 CCU is equipped with two metal wall mounting brackets. These brackets must first be detached from the CCU to properly wall mount it.
- B. Unscrew the two screws located on the lower portion of the front panel, then remove the front panel by sliding it to the left. Place the panel and screws aside for later reinstallation.
- C. Unscrew the two screws located on the top front of the CCU, then remove the top panel. Place the panel and screws aside for later reinstallation.
- D. Unscrew the two screws located on the bottom front of the CCU, then remove the base panel. Place the panel and screws aside for future reinstallation.
- E. Locate the two mounting screws on the upper rear of the CCU (holding the upper mounting bracket to the CCU), remove the two screws, and the bracket.
- F. Remove the two mounting screws holding the lower mounting bracket to the base panel.
- G. Use the template provided with ESE-32B-1 CCU to layout CCU(s) in position. Install eight locally provided fasteners appropriate for wall mounting in positions shown on the template. CCU(s) must be mounted correctly for proper operation.

Install the wall mounting metal brackets as shown in Figure 200-11, using the eight locally provided fasteners.

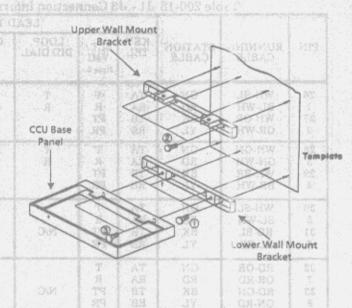


Figure 200-11 Wall Mounting Bracket and CCU Base Panel

Mount the base panel onto the lower bracket using the two screws removed in step F. (See Figure 200-11).

Using the open slots provided on the back panel of the CCU, mount the CCU to the knobs of the upper bracket and onto the base panel. Ensure the upper bracket knobs are fully seated within the open slots of the CCU. Tighten the screws from above the CCU to securely attach the CCU to the upper bracket knobs, reinstall the two screws removed in step D, as shown in Figure 200-12.

- H. The ESE-32E-1 CCUs are equipped with one wall mounting bracket. This bracket must first be detached from the CCU to properly wall mount it.
- I. When the first ESE-32E-1 CCU is to be installed, repeat step B. Locate the two mounting screws in the upper rear of the CCU (holding the mounting bracket to the CCU), remove the two screws, and the bracket. Also, remove the two screws located on the top front of the CCU.
- J. Mount the metal bracket using four locally provided fasteners as outlined with the template. Refer to Figure 200-11.
- K. Ensure the hooks provided on the top rear of the ESE-32B-1 CCU are fully seated within the open slots on the bottom rear of the ESE-32E-1 CCU.

After mounting the ESE-32E-1 CCU onto the ESE-32B-1 CCU, secure them using the four screws removed in step I, as shown in Figure 200-13.

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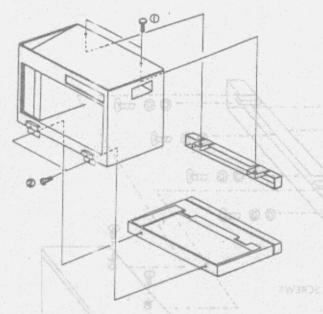


Figure 200-12 Wall Mounting ESE-32B-1 CCU

L. When the second ESE-32E-1 CCU is installed, it should be attached in the same manner as the first ESE-32E-1 CCU.

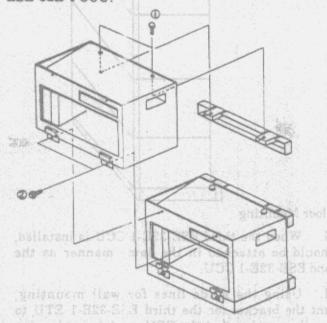


Figure 200-13 Wall Mounting ESE-32E-1 CCU

M. When the third ESE-32E-1 CCU is installed, it should be attached in the same manner as the ESE-32B-1 CCU.

N. Using the separately ordered CCU base panel; mount it to the wall just above the second ESE-32E-1 CCU, ensuring that little to no space is between the base panel and the second CCU.

Install the wall mounting metal brackets as shown in Figure 200-11, using the eight locally provided fasteners.

Mount the base panel onto the lower bracket using the two screws provided with the bracket.

Using the open slots provided on the back panel of the CCU, mount the CCU to the knobs of the upper bracket and onto the base panel. Ensure the upper bracket knobs are fully seated within the open slots of the CCU. Tighten the screws from above the CCU to securely attach the CCU to the upper bracket knobs, install the two screws shown in Figure 200-12.

O. Install the top panel onto the top CCU and secure with the screws removed in step C.

NOTE: All removed front panels should be reinstalled by securing with the screws removed in step B, after the required ETU's are installed and the system is tested. (Refer to Figure 200-14).

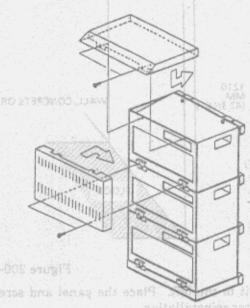


Figure 200-14 Installing Top Panel and Front Panel

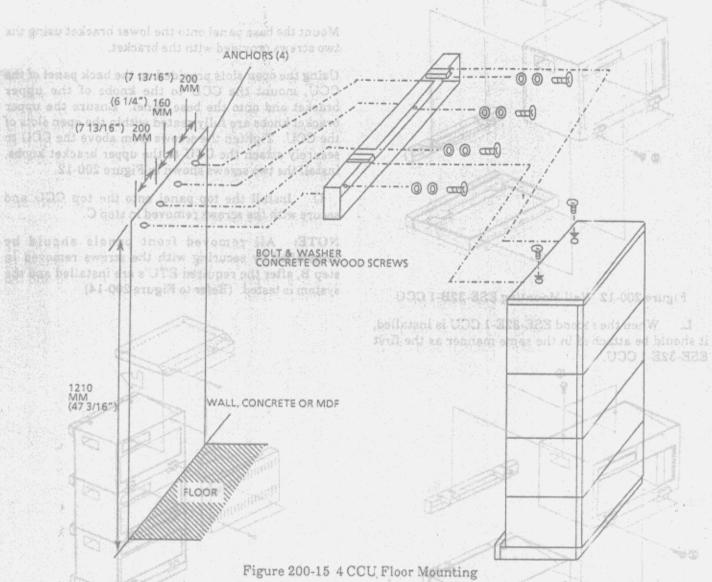
# 240.2 FLOOR MOUNTING THE CCU

NOTE: U.L regulations require the fourth CCU to always be mounted to the wall and is to be attached to the other three CCUs. Mounting of the fourth CCU should be considered at the beginning to ensure proper wall spacing for the stacks location.

The CCUs are designed to be wall mounted, when necessary floor mounting can be accomplished by stacking the CCUs.

A. Place the ESE-32B-1 CCU by a wall in its permanent and safe floor location.

B. Unscrew the two screws located on the lower portion of the front panel, then remove the front panel



by sliding it to the left. Place the panel and screws aside for later reinstallation.

- C. Unscrew the two screws located on the top front of the CCU, then remove the top panel. Place the panel and screws aside for later reinstallation.
- D. When the first ESE-32E-1 CCU is to be installed, repeat step B. Remove the two screws located on the top front of the CCU, then, mount the CCU onto the ESE-32B-1 CCU.
- E. Ensure that the hooks provided on the top rear of the ESE-32B-1 CCU are fully seated within the open slots on the bottom rear of the ESE-32E-1 CCU. Secure them both by using the two screws removed in step D.
- F. When the second ESE-32E-1 CCU is installed, it should be attached in the same manner as the first ESE-32E-1 CCU.

- G. When the third ESE-32E-1 CCU is installed, it should be attached in the same manner as the second ESE-32E-1 CCU.
- H. Using the guide lines for wall mounting, mount the bracket for the third ESE-32E-1 ETU to the wall, ensuring that the CCU stack is not leaning in any direction.

Install the wall mounting metal brackets as shown in Figure 200-11, using the four locally provided fasteners.

Using the open slots provided on the back panel of the CCU, mount the CCU to the knobs of the upper bracket and onto the base panel. Ensure the upper bracket knobs are fully seated within the open slots of the CCU. Tighten the screws from above the CCU to securely attach the CCU to the upper bracket knobs, install the two screws shown in Figure 200-12.

and the second

I. Install the top panel onto the top CCU and secure with the screws removed in step C.

240.3 NOTES FOR ETU INSTALLATION

A. It is recommended that power be OFF during installation and maintenance, unless this will seriously inconvenience the user. This will prevent accidental damage to equipment.

B. The ETUs used in this system make extensive use of CMOS technology. Extreme care must be taken to avoid static discharge when handling ETUs.

C. A switch is provided on the interface ETUs to protect circuitry from any damage during installation with system power ON.

D. The component side of ETUs must face the right side of the CCU when installed. (Viewed from the front as shown in Figure 200-16).

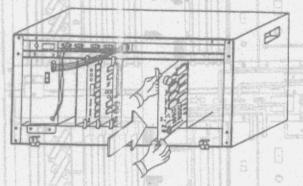


Figure 200-16 Installing ETUs

240.4 COMMON CONTROL ETUS
A. CPU-E. CPU-EB( ) OR HIGHER
LEVEL ETU

Prior to programming the system data, Switch 2 (SW2) must be set to the ON position to allow memory content retention in case of a power failure or brownout. Failure to activate the backup battery circuit (SW2 ON) will result in the system data returning to default values and loss of Speed Dialing, Callback Request, Message Waiting, Clock/Calendar, station and trunk Group Name Assignments, etc., if a power failure or brownout occurs.

Anytime a CPU-E: ) ETU is installed, the system Clock/Calendar must be set. This also applies when battery backup fail: for any reason. This procedure is provided in Section 430 of the Installation Service Manual.

When the CPU-E( ) ETU is removed for long-term storage, set the SW2 switch to OFF. This will prevent the battery from constantly discharging. The battery,

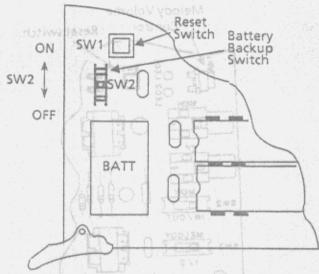


Figure 200-17 CPU-E( ) Switch Layout

when fully charged, will retain memory contents for approximately 7 days.

Switch 1 (SW1) is the reset switch. When depressed, this momentary switch interrupts all service in progress causing a second initialization. This switch should not be used in an operating system unless absolutely necessary. The CPU-E( ) ETU must be installed in the CPU slot of the ESE-32B-1 CCU.

B. di TSW.E ETU la notition not peu si has sidious

The TSW-E ETU contains three switches, two LEDs, one connector, and two RCA phono plugs.

Switch I (SWI) is the reset switch. Depression of this momentary switch causes all service in progress in the ESE-32B-1 CCU, to be interrupted. This switch should not be used in an operating system unless absolutely necessary.

The LEDs indicate module memory working status. Under normal operating conditions, they are fluttering to indicate memories being activated. When SWI is depressed, the LEDs momentarily turn OFF. Anytime the CCU is disabled, the LEDs are OFF.

Connector CN2 is used for data transmission between the TSW-E and the MMC-E ETUs; the cable provided on the MMC-E ETU is plugged into this connector.

MOH IN/OUT (SW2) is used to select the MOH source from either internal or external. When the music chip is used for MOH source, set this switch to the IN position. If an external MOH source is connected, set this switch to the OUT position. (For external MOH source connection, instructions are provided in Section 270, Optional Equipment Connection).

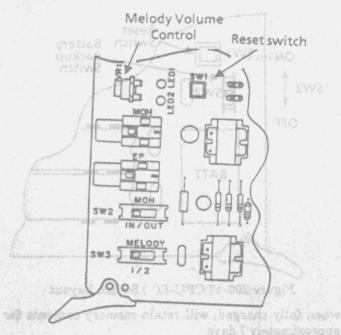


Figure 200-18 TSW-E Switch Layout

Switch labeled MELODY (SW3) is used to select one of two melodies, from the internal MOH music chip, mounted on the TSW-E ETU. VR1 is used to adjust the volume of the melody provided by the melody chip.

RCA phono plug EP provides External Page common audible and is used for connection of a locally provided amplifier for external paging.

RCA phono plug MOH is used for the connection of an external MOH source, if needed.

The TSW-E ETU must be installed in the TSW slot in the ESE-32B-1 CCU.

#### C. TSW-EBETU

This time division switch ETU provides the same services as does the TSW-E ETU. The TSW-EB is equipped with one additional connector CN3, for the interfacing with the fourth cabinet's MMC-E ETU via the CBL-E expansion cable unit.

#### D. MMC-E ETU

The MMC-E ETU contains one switch, two LEDs, one cable and one connector. Switch1 (SW1) is the reset switch. Depression of this switch causes all service associated with the CCU to be interrupted. This switch should not be used in an operating system unless absolutely necessary.

The LEDs indicate module memory working status.
Under normal operating conditions, they flutter to indicate memories being activated. When SW1 is depressed, the LEDs momentarily turn OFF. When the CCU is disabled, the LEDs are constantly OFF.

The flat cable must be connected to either connector on the TSW-E() ETU or another MMC-E ETU. When it is connected to another MMC-E ETU, the cable of that MMC-E ETU must be connected to the TSW-E ETU (See Figure 200-19).

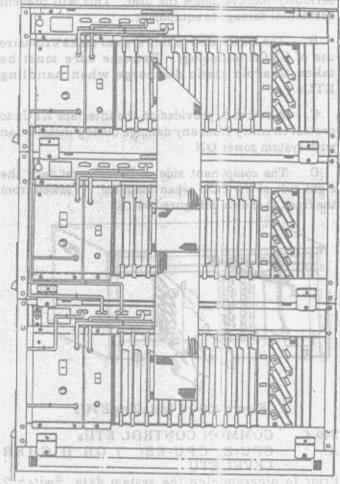


Figure 200-19 3 Module CCU Layout

The MMC-E ETU must be installed in the MMC slot of an ESE-32E-1 CCU.

# 240.5 BASIC INTERFACE ETUS

Although the system scans all slots, to detect which devices are installed, it must be noted that this is only performed by the CPU-E( ) ETU during initial powering up of the system, or after a first initialization. At this time, all busy switches, on all interface ETUs, must be set to the ON position.

Thereafter, if any device is installed and the system is not turned off or a first initialization is not performed, you must inform the system (by programming) of the location and type of device added.

a) Prior to inserting (or removing) an ETU into an interface slot, as determined by the job

specification, ensure the busy switch (SW1) on that ETU is in the OFF position.

- b) Insert the I TU into a vacant interface slot. ensuring the components are on the right side.
- c) Set the busy switch (SW1) on that ETU to the ON position.

Each basic interface ETU has a busy switch (SW1), a power LED (Green) and may have two or four status LEDs (Red), Jim to we yand ( )3-129 E9-002 suppl

Setting the busy switch (SW1) to the ON position. after inserting the ETU, causes the power LED to

The red LEDs ind cate the status of circuits. Each LED ON indicates that its associated circuit is in use. Refer to Table 200-16, Interface ETU LED and Switch Reference, anides a trust and an elemines a sullitual

# A. COI-E ETU

The COI-E ETU contains four switches, which are designated SW101 to SW401, for the selection of trunk type. Each switch is associated with a circuit. a ni

When a loop start runk is connected to a circuit, its associated switch must be set to the LP position. If a ground start trunk is connected, the switch must be set to the GD position.

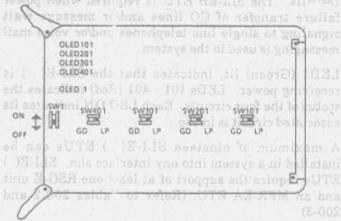


Figure 200-20 COI-E() Switch Layout

LED1 (Green) lit indicates that the COI-E is receiving powerd Hald as gaironer to gairesai sen'w

LEDs 101 - 401 (Red) indicate the status of the four associated circuits. Each LED ON indicates its associated circuit is in use. stabibar Jil (seesa) 10143

A maximum of ten COI-E ETUs can be installed in a . system, into any interface slots. The apply to mamix and A

# of Scircules. The MFR-KA ETU is con UTE 83-100 c.

This Central Office interface ETU provides the same services as the COI-E ETU, in addition it supports the

CENTREX ringing feature. (CPU-EB3 is also required.) tavel aset toelse of beat, seduliws qib. obilisen

## C. TLI-E ETU

The TLI-E ETU provides circuitry for servicing up to two dial pulse lines; DID, Loop Dial, 2 or 4 wire E&M Tie lines. It contains ten switches and three LEDs.

Switches designated SW101 and SW201 are used to select the type of E&M Tie lines (2 or 4 wire).

When Loop Dial /DID lines are connected, these switches must be set to the 2 wire position.

Switches designated SW102 and SW202 are used to select the type of lines (DID/Loop Dial or E&M).

Switches designated SW103 and SW203 are used to select the type of E&M signaling (type I or V) for E&M Tie lines being used.

Switches designated SW301, SW302, SW401 and SW402 are four position dip switches used to select. loss level for loop dial, DID, 2 and 4 wire E&M Tie lines. Loss levels can be adjusted for 0, 2, 4, 8, 12 or 16 db. (See Figure 200-21).

SW301 sets the transmission loss level for Channel 1. SW302 sets the reception loss level for Channel 1.

SW401 sets the transmission loss level for Channel 2. SW402 sets the receiving loss level for Channel 2.

1		ON	All switches OFF=	
-		OIN	Switch 1 ON =	-2db
2		ON	Switch 2 ON =	-4db
3		ON	Switch 3 ON =	-8db
	Section 1	0.11	Switch 4 ON =	-12db
4	VS 18V	ON	All switches ON =	-16db

Figure 200-21 SW301, SW302, SW401 or SW402 pad find to Eswitch settings on TLI-E ETU-

LEDs 1 and 2 (Red) indicate the status of the associated two circuits of experience (best) 2 bers 1 religi

Each LED ON indicates its associated circuit is in use LED 3 (Green), when lit indicates the TLI-E ETU is receiving power.

A maximum of twenty TLI-E ETUs can be installed in a system, into any interface slots.

D. TLI-EB ETU sale sale sale sale and into any interface slets . UTE EE-ILIT . O The TLI-EB ETU provides circuitry for servicing up to two lines; 2 or 4 wire, Dial Pulse or DTMF, E&M Tie lines. It contains six switches and three LEDs.

Switches designated SW101 and SW201 are used to select the type of E&M Tie lines (2 or 4 wire).

NOTE: Loop Dial/DID lines can not be connected to this type ETU.

Switches designated SW102 and SW202 are eight position dip switches used to select loss level for the 2 and 4 wire E&M Tie lines. Loss levels can be adjusted for 0, 2, 4, 8, 12, or 16 db. (See Figure 200-22).

Switches designated SW103 and SW203 are used to select the type of E&M signaling (type I or V) for E&M Tie lines being used.

	1000	14 1 40 83 30	arrest sell' Massell to serve	
	1	ON ON	ATT and a Committee	0db
			L. Santa Poulse I & The on	-2db
	1.77	ON ON	DWIGHT FOR	-4db
Transmit \	3	ON ON	Switch 3 ON =	-8db
0.0	42	ON ON	Switch 4 ON =	-12db
	1 100		A II A Capitalaga ON	-16db
tol (V te	5	ON ON	Switch S ON =	-2db
	6	ON ON	Switch 6 ON=	-4db
Receive	7	ППО	Switch 70N=	-8db
has 10H	W.S.	SUEWAY	Switch 8 ON =	-12db
to select.	8	uu on	All 4 switches ON=	-16db
			The second secon	

Figure 200-22 SW102, or SW202 pad switch settings on TLI-EB ETU

SW102 (switches 1 - 4) sets the transmission loss level for Channel 1.

SW102 (switches 5 - 8) sets the reception loss level for a Channel 1.

SW202 (switches 1 - 4) sets the transmission loss level for Channel 2.

SW202 (switches 5 - 8) sets the receiving loss level for Channel 2.

NOTE: Transmission and reception loss levels are also programmable for each E&M Tie Line; it is therefore recommended to set switches 1 - 8, on both SW102 and SW202, to the OFF position.

LEDs 1 and 2 (Red) indicate the status of the two associated circuits.

Each LED ON indicates its associated circuit is in use.

LED 3 (Green), when lit indicates the TLI-EB ETU is receiving power.

A maximum of twenty TLI-EB ETUs can be installed in a system, into any interface slots.

# E. ESI-EA/EB ETU salu Plat priw b so 2 manil owi

Installing an ESI-EA or ESI-EB ETU provides support for up to four Multiline Terminals and/or EDE-30-1 units. The ESI-EB ETU is required when a Multiline Terminal is equipped with the DPA-E unit for the dual path feature, or a DTA-E unit for data capability.

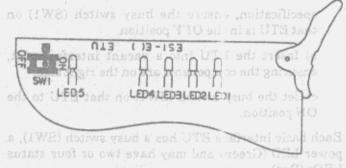


Figure 200-23 ESI-E() Busy Switch with LEDs

LED LP1 (Green) lit, indicates the ESI-E( ) is receiving power. LEDs 1-4 (Red) indicate the status of the four associated circuits. Each LED ON indicates its associated circuit is in use.

NOTE: It is recommended that only the ESI-EA ETU be installed in the fourth CCU for the support of Multiline Terminals, as the fourth cabinet cannot support the Data and Dual Path features of the ESI-EB ETU.

A maximum of twenty ESI-E() ETUs can be installed by in a system, into an interface slot and a system.

# F. SLI-EA/EBETUSAGO & laga Justa quol a nadW

Installing an SLI-EA or SLI-EB ETU provides support for up to four single line telephones, modems or DtermIIs. The SLI-EB ETU is required when power failure transfer of CO lines and/or message wait signaling to single line telephones and/or voice mail messaging is used in the system.

LED1 (Green) lit, indicates that the SLI-E() is receiving power. LEDs 101 - 401 (Red) indicates the status of the four circuits. Each LED ON indicates its associated circuit is in use.

A maximum of nineteen SLI-E() ETUs can be installed in a system into any interface slot. SLI-E() ETUs require the support of at least one RSG-E unit and an MFR-EA ETU. (Refer to Tables 200-2 and 200-3)

# G. MFR-EA ETU WELLS 100 C 1003 STURY

The MFR-EA ETU contains a switch and an LED. When inserting or removing an MIR-EA with power applied to the CCU, Switch1 (SW1) must be set to the OFF position.

LED1 (Green) lit indicates that the MFR\*EA is receiving power.

A maximum of four MFR-EA ETUs can be installed in a system into any interface slot to provide a maximum of 8 circuits. The MFR-EA ETU is required to support the dialing of any SLTs, modems and/or VMI-E ETU installed.

240.6 OPTIONAL INTERFACE ETUS A. CNF-E ETU

The CNF-E ETU contains a switch (SW1) and an LED (LED1).

SW1 is used to busy out the ETU when the ETU is removed or inserted without powering down the CCU.

LED1 (Green) it, indicates the CNF-E ETU is receiving power. 1.3 SIGMS, 85-000 enough

A maximum of four CNF-E ETUs can be installed in a system, into any nterface slots.

B. ECR-EETU allatent of soir I MID was to

The ECR-E ETU contains two switches (SW1 and SW2), an LED, a volume control (VOL1), three RCA

phono plugs (JK1, JK2, JK3) and two screw terminal blocks (CN1 and CN2).

SW1 is used to busy out the ETU when the ETU is removed or inserted without powering down the CCU.

SW2 is used to select the ring pattern of the external tone ring output time a anisimo UTE STIMV adT

LED1 (Green) lit, indicates the ECR-E ETU is receiving power. Phono plug JK2 is an input jack for a BGM source, and JK3 is for input of a second BGM source or as an input for a Delay Announcement Unit.

VOL1 is used to adjust the audible level of the external tone ringer output. JK1 provides an uninterrupted ring tone. Hose shorts and add

When three than the man DR-E E U term SW2 OFF

ETU	PORT	LED	LED/Switch Reference (Later) and the UTR HILLY
cotte reta	o is ha e <b>g</b> is seigi		SW 101 - Trunk Selection (Loop/Ground) SW 201 - Trunk Selection (Loop/Ground) SW 301 - Trunk Selection (Loop/Ground) SW 401 - Trunk Selection (Loop/Ground) SW 1 - Busy Out
to laced esabo neESI-E() a se nee Figure 200	CU, wi <mark>ş</mark> ah cu v	LED 1 - Busy 1 LED 2 - Busy 2 LED 3 - Busy 3 LED 4 - Busy 4 LED 5 - Receiving Power	Switch 2, designated SW2 EESET is a slite ob used to reset the SMDR E ETU, with raption of all ongoing operation of all ongoing operation would swiw i we will be seen and the second operation of all ongoing operations.
SLI-E() & VMI-E	1 2 3 4	LED 101 - Busy 1 LED 201 - Busy 2 LED 301 - Busy 3 LED 401 - Busy 4 LED 1 - Receiving Power	SW1 -Busy Out
MFR-EA & CNF-E		LED 1 - Receiving Power	SW1 -Busy Out
ECR-E		LED 1 - Receiving Power	SW1 -Busy Out SW2 -Ring Pattern
	1	LED1 - Busy 1	SW 101 - Line Type Selection (2 or 4 wire) SW 102 - Trunk Selection (Loop/ DID or E&M Tie lines) SW 103 - E&M Signaling Type Selection (I or V) SW 301 - Transmission Loss Level Selection SW 302 - Receiving Loss Level Selection
B-LLT  GESS PANEL  GESS PANEL		LED 2 - Busy 2	SW 201 - Line Type Selection (2 or 4 wire) SW 202 - Trunk Selection (Loop/DID or E&M Tie lines) SW 203 - E&M Signaling Type Selection (1 or V) SW 401 - Transmission Loss Level Selection SW 402 - Receiving Loss Level Selection
		LED 3 - Receiving Power	SW1 -Busy Out OTE A HOME and as granted qu
in one of		LED1 Busy 1	SW 101 - Line Type Selection (2 or 4 wire) SW 102 - Transmission and Receiving Loss Level Selection SW 103 - E&M Signaling Type Selection (1 or V)
	4.1	LED 2, a Busy 2, a COST STORY (Top 2)	SW 201 - Line Type Selection (2 or 4 wire) SW 202 - Transmission and Receiving Loss Level Selection SW 203 - E&M Signaling Type Selection (1 or V)
eripheral devi-	nter or ather p	LED 3 - Receiving Power	SW 1 7 Busy Out and sadd sadmilant til (case O)

NOTE: When a loop dial trunk(s) is connected to the TLI-E ETU, SW 101 and/or SW201 on the ETU must be set to the 2 wire position. Loop Dial DID lines cannot be connected to a TLI-EB ETU.

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For installing options, see Section 270, Optional Equipment Connection.

One ECR-E ETU can be installed in a system, into

SW2 is used to select the ring patities of bear at SW2

The VMI-E ETU contains a switch (SW1) and five LEDs (LED1, LED101 - 401).

SW1 is used to busy out the ETU when the ETU is removed or inserted without powering down the CCU.

LED1 (Green) lit, indicates that the VMI-E ETU is receiving power.

LEDs 101 - 401 (Red) lit, indicate the status of each of the four circuits. Each LED ON indicates its associated circuit in use.

One VMI-E ETU can be installed in a system, into any interface slot. The VMI-E ETU may require the support of an MFR-EA ETU and an RSG-E unit.

240.7 SMDR-E ETU

The SMDR-E ETU contains three switches, an LED and an RS-232C connector ended cable.

1. Switch 2, designated SW2 RESET, is a slide switch used to reset the SMDR-E ETU, with interruption of all ongoing operation. This switch is also used to busy out the ETU when it is removed or inserted without powering down the CCU.

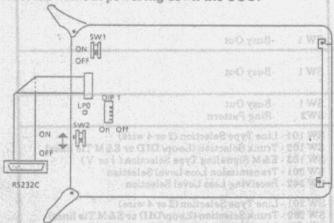


Figure 200-24 SMDR-E ETU Switch Layout

Switch 1, designated SWI ON-OFF, is used to connect backup battery to the SMDR-E ETUs memory. This switch should be set to the ON position to allow memory retention, during power failure or brownouts, for approximately seven days.

Switch DIP1 is a 5 position DIP switch which is used to select a baud rate (300 - 4800).

LED1 (Green) lit, indicates that the SMDR-E ETU is receiving power.

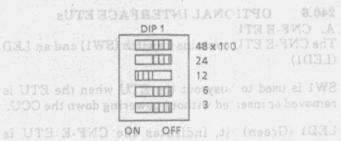


Figure 200-25 SMDR-E DIP1 Switch

2. Connection of SMDR

a. The SMDR-E ETU must be installed into either OPT1 or OPT2 slot (or a combination slot) of any CCU. Prior to installing the SMDR-E ETU, ensure that switch SW1 is set to the ON position and that the baud rate switch, DIP1, is set to the proper position.

When installing the SMDR-E ETU, turn SW2 OFF for insertion of this ETU into the slot without powering down the CCU.

b. Route the RS-232C connector ended cable down and to the right side of the CCU in a manner to avoid interference with the insertion and the removal of ETUs and with the 25-pair cables from J1 - J3 connectors. Remove the access panel on the right side of the CCU, which covers seven openings, to mount RS-232C connectors. See Figure 200-26).

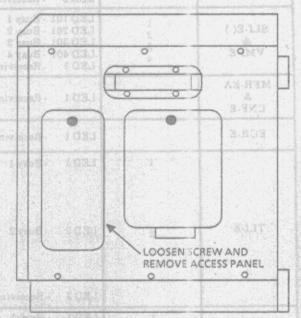


Figure 200-26 Right Side View of CCU

Mount the RS-232C connector in one of the openings using screws and nuts locally provided. (See Figure 200-27.)

c. Connect a printer or other peripheral device to the RS-232C connector mounted on the CCU in step b and secure the RS-232C male connector

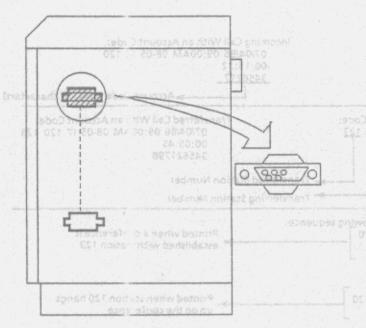


Figure 200-27 Mounting the RS-232C Connector from the printer or other peripheral device, with screws provided with the device.

# d. Turn ON SW2 of the SMDR-E ETU

3. A 25 pin RS-232C connector is provided with the following pin configuration. (All pins are active high).

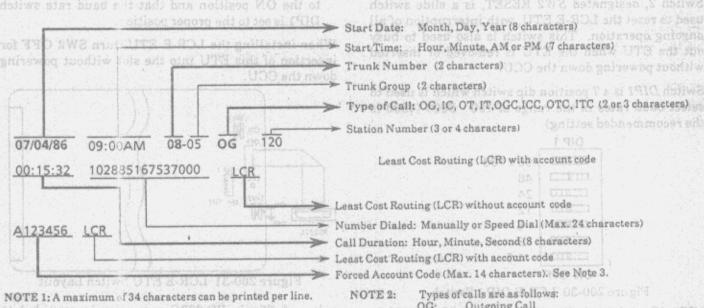
	SMDR-E Output Connector
PIN #	FUNCTION paimonal ZUAD DWMCORN
2	TXD (Transmit Data)
3	RXD (Receive Data)
4	RTS (Request To Send)
5	CTS (Clear To Send) 211A) GERRATEMANT
6	DSR (Data Set Ready)
7	Signal Ground
8	DCD (Data Carrier Detect) (constant high)
20	DTR (Data Terminal Ready)
SMDR p	rint-out string is as follows:
• 71	its even parity

SMDR Output Format: For SMDR general format and sample printouts of call record, See Figures 200-28 and 200-29.

One stop-bit.

LCR-E ETU The LCR-E ETU contains three switches, an LED and a RS-232C connector ended cable.

Switches Switch 1, designated SW1, is used to connect backup battery to the LCR-E MEMORY. This switch should be set to the ON position to allow memory retention during power failure or brownouts, for approximately seven days. Ook stude!

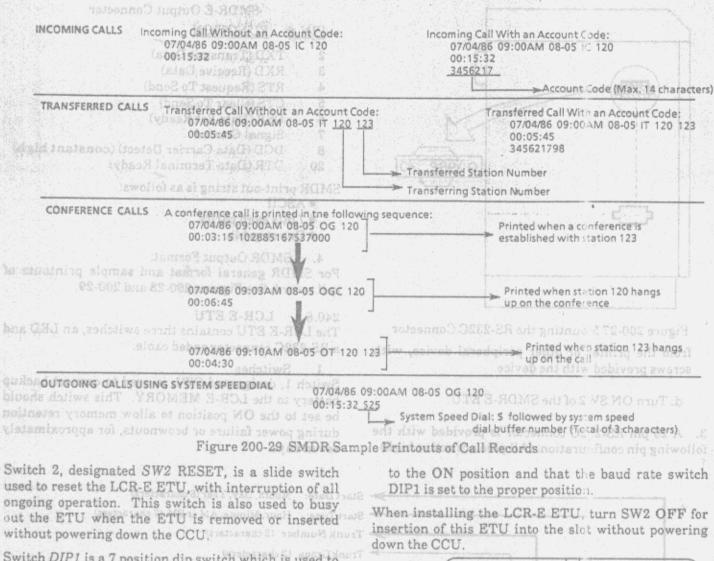


Outgoing Call OG: abibai dal grassidi diliki Incoming Call IC: Transferred Outgoing Call OT: IT: Conference on Outgoing Call OGC: ICC: Conference on Incoming Call

OTC: Conference on Transferred Outgoing Call Conference on Transferred Incoming Call

NOTE 3: A included prior to the Account Code only when the Forced/Verified function is provided in the system.

Figure 200-28 SMDR General Format of Call Records



Switch DIP1 is a 7 position dip switch which is used to select baud rates in the range of 150 - 9600 (4800 is the recommended setting).

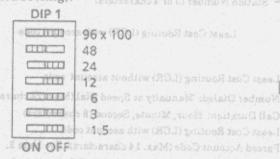


Figure 200-30 LCR-E DIP 1 Switch

LED1 (Green) lit, indicates that the LCR-E ETU is receiving power. Had aniogand barrylanas?

- Connection of LCR
- The LCR-E ETU must be installed into either OPT1 or OPT2 or any combination slot of any CCU. Prior to installation, ensure that switch SW1 is set

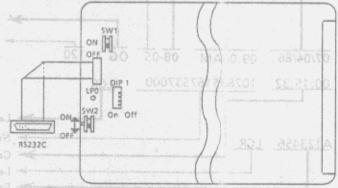


Figure 200-31 LCR-E ETU Switch Layout

- A 25 pin RS-232C connector is provided to connect the portable computer in order to input necessary data into the LCR-E FTU.
- Route the RS-232C connector ended cable down to the right side of the CCU in such a way as to avoid interference with the insertion and

Regard 200 10 100 Div Deparal Largest of Call Records

removal of ET Js and with the 25 pair cables from the J1 - J3 connectors.

Remove the access panel on the right side of the CCU, which covers seven openings, provided to mount RS-232C connectors. (See Figure 200-26).

Mount the RS-232 C connector in one of these openings using screws and nuts locally provided. (See Figure 200-27).

- d. Connect the portable computer to the RS-232C connector mounted on the CCU in step C and secure the RS-232C male connector from the computer using screws locally provided.
- e. Turn ON SW2 on the LCR-E ETU.
- LCR data input is done from the PC8300 portable computer or IBM AT/XT, NEC Multispeed or NEC APC IV.

For LCR programming, refer to Chapter 7 of the Installation/Service Manual.

SECTION 250 POWER SUPPLY INSTALLATION

250.1 PSE-AD-1 PSU

NOTE: Before proceeding, ensure the Power Line Cord is not plugged into the AC receptacle and the system AC power switch located in the left front side of the ESE-32B-1 CCU, just above the card slots, is in the OFF (down) position. The three prong AC Power Line Cord is factory provided and is connected to the terminal block located at the left side of the ESE-32B-1 CCU.

- A. Remove the four mounting screws located at the top and bottom of the PSU slot, in each CCU. Place the screws a ide for later PSU installation.
- B. Install a PSE-AD-1 PSU into the PSU slot in each CCU, as shown in Figure 200-35, making sure its power switch is in the OFF position.
- C. Secure each PSU with the four screws previously removed in step A.
- D. Two cables are provided on each PSE-AD-1 PSU. One is a 3 p n connector ended AC OUT power cable, the other is a 6 pin connector ended DC IN power cable.

Connect AC OUT cable into any AC connectors (J6-J8) located immediately above the corresponding ESE-32B-1 CCU card slots. (See Figure 200-37).

Connect each DC IN power cable of each PSU to the 6 pin (J4) connector located immediately above its corresponding CCU. (See Figure 200-37).

E. Plug the 3 prong AC power line cord into the 117V AC receptacle and check the DC output voltages, which can be read on the corresponding 6 pin connector (J4) of each CCU or at the CPU and MMC test points, in accordance with Figure 200-36.

The voltages for each PSU can be checked individually by first turning the system AC switch ON and then the switches on each power supply ON.

250.2 PSE-DD-1 PSU bryong at alder and did

NOTE: Before proceeding to install the PSE-DD-1 PSUs, ensure the Input Line Cords are not connected to the locally provided -48VDC power source and the input power switches on each PSE-DD-1 PSU are in the OFF position. The input line cords for the PSE-DD-1 PSUs must be locally provided.

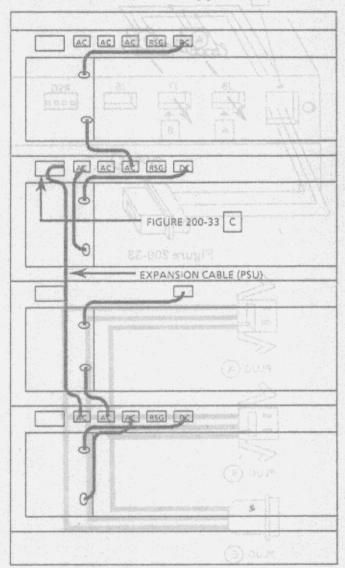


Figure 200-32 Connection of PSU Cable

- A. Remove the four mounting screws located at the top and bottom of the PSU slot, in each CCU. Place the screws aside for later reuse.
- Install a PSE-DD-1 PSU into the PSU slot in each CCU, making sure its power switch is in the OFF position. on USQ dans toll remarkey and
- Secure the PSU with the screws removed in step A.
- One cable is provided with each PSE-DD-1 D. PSU. This cable is a 6 pin connector ended, DC IN power cable. Connect each DC IN power cable of each PSU to the 6 pin (J4) connector located immediately above in its CCU. (See Figure 200-38)

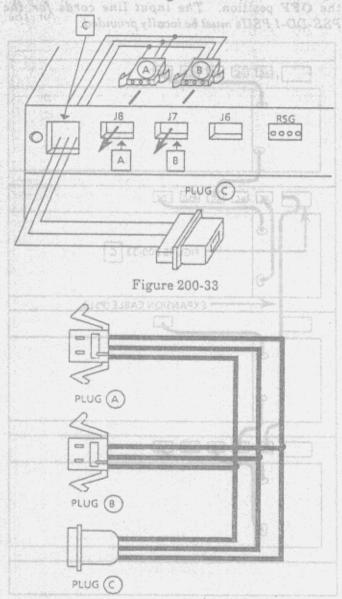


Figure 200-34

E. One screw terminal block provided with four screws is located on the lower from of each PSE-DD-1 PSU. Connect up to four PSE-DD-1 PSUs using locally provided cables, as shown in Figure 200-39.

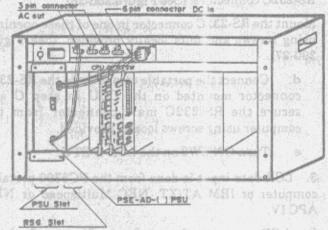


Figure 200-35 Installing PSE-AD-1 PSU

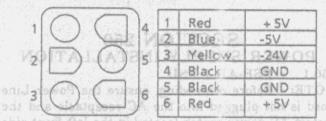
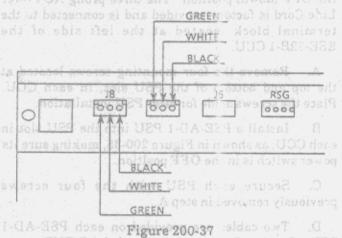


Figure 200-36 Front View of 6 Pin Connector of PSE-AD-1 and PSE-DD-1 PSUs



- Connect the first PSE-DD 1, installed in the ESE-32B-1 CCU, to the output of the locally provided -48 VDC power source, using a locally provided cable.
  - G. 1. Turn ON the locally provided -48 VDC power ESE-328-1 CCU es. d stots. (See Figure. saruos
    - 2. Turn ON the power switch on the PSE-DD-1 PSU located in the third ESE-32E-1 CCU.

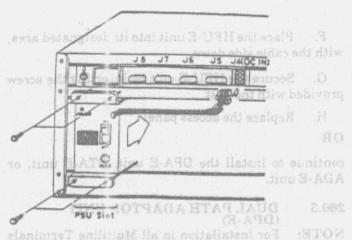


Figure 200-33 Installing PSE-DD-1 PSU

- 3. Turn ON the power switch on the PSE-DD-1 PSU located in the second ESE-32E-1 CCU.
- 4. Turn ON the power switch on the PSE-DD-1 PSU located in the first ESE-32E-1 CCU.
- 5. Turn ON the power switch on the PSE-DD-1 PSU located in the ESE-32B-1 CCU.

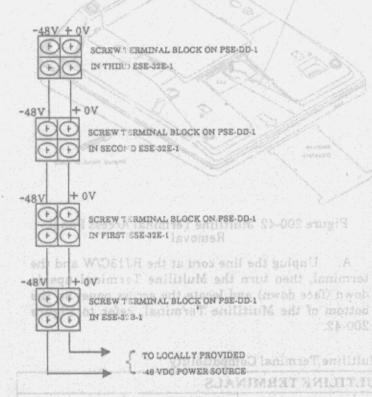


Figure 200-39 Interconnection of PSE-DD-1 PSU

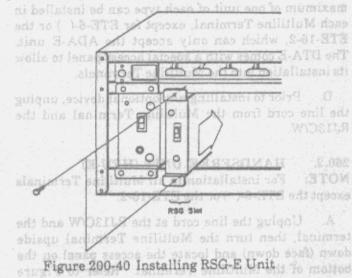
H. Check the DC output voltages which can be read on the corresponding 6 pin (J4) connector of each CCU, as shown in Figure 200-36. These voltages can

be checked at the test pins on the CPU-E( ) ETU or on the MMC-E ETU, in the corresponding CCU. ANCILLARY DEVICE CONNECTION

RSG-EUNITMHOEMI LAHEMED NOTE: System power should be OFF during these procedures TO HAGO HUTH as done sooived visitions

Remove the two mounting screws located at the top and bottom of the RSG slot in a CCU, where SLI-EA, SLI-EB or VMI-E ETUs are installed.

B. Install an RSG-E unit into the RSG slot of the required CCU, as shown in Figure 200-40: no lense assess



Secure the RSG-E with the screws removed in Slide the directory out of the way. step A.

D. Connect the 4 pin connector ended cable, provided on the RSG-E unit, into the designated RSG connector (J5) located in the upper left of the CCU. If the adjacent CCU requires ringing signal, use the supplementary cable, included in the RSG packing

Connect an end of the cable into the connector on the RSG-E unit and the other end of the cable into the designated RSG connector (J5) located in the upper left of the adjacent CCU and desired add atsock

E. Turn the PSU and the RSG-E ON, then check the output voltages, which can be read on the 4 pin connector of the CCU, as shown in Figure 200-41.

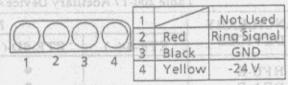


Figure 200-41 Front View of RSG-E Unit 4 Pin Connector

23 herts

# SECTION 260 ANCILLARY DEVICE CONNECTION 260.1 GENERAL INFORMATION

A. Multiline Terminals can be equipped with ancillary devices such as HFU-E, DPA-E, DTA-E and ADA-E.

B. These optional units and their compatibility with Multiline Terminals are shown in Table 200-17.

- C. These optional devices are installed inside the access panel on the bottom of Multiline Terminals. A maximum of one unit of each type can be installed in each Multiline Terminal, except for ETE-6-() or the ETE-16-2, which can only accept the ADA-E unit. The DTA-E comes with a special access panel to allow its installation into the Multiline Terminals.
- D. Prior to installing any optional device, unplug the line cord from the Multiline Terminal and the RJ13C/W.

260.2. HANDSFREE UNIT (HFU-E)
NOTE: For installation in all Multiline Terminals
except the ETE-6-( ) or the ETE-16-2.

- A. Unplug the line cord at the RJ13C/W and the terminal, then turn the Multiline Terminal upside down (face down) and locate the access panel on the bottom of the Multiline Terminal. Refer to Figure 200-42.
  - B. Slide the directory out of the way.
- C. Insert a flat screwdriver blade into the notched opening (shown as A) and apply light upward pressure until the access panel is cleared of the front lip, at the same time apply pressure (towards you) at the rear of the pedestal (shown as B) until the access panel moves towards you.
- D. Remove the access panel and place it aside for a later reinstallation.
- E. Locate the fourteen pin jack labeled HFU-E, as seen through the access view of the housing, insert the fourteen pin connector from the HFU-E unit, as shown in Figure 200-43.

- F. Place the HFU-E unit into its designated area, with the cable side down.
- G. Secure the HFU-E unit by inserting the screw provided with the unit.
- H. Replace the access panel OR

continue to install the DPA-E unit, DTA-E unit, or ADA-E unit.

260.3 DUAL PATH ADAPTOR UNIT

NOTE: For installation in all Multiline Terminals except the ETE-6-( ) or the ETE-16-2.

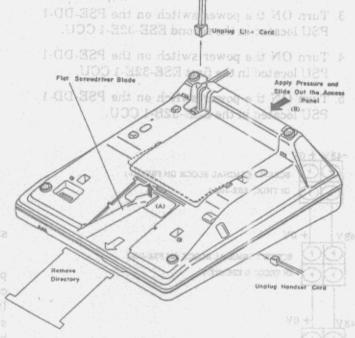


Figure 200-42 Multiline Terminal Access Panel Removal

A. Unplug the line cord at the RJ13C/W and the terminal, then turn the Multiline Terminal upside down (face down) and locate the access panel on the bottom of the Multiline Terminal, refer to Figure 200-42.

Table 200-17 Ancillary Device / Multiline Terminal Compatibility

ANCILLARY		\$			
DEVICES	ETE-6-(-)	ETE-6D-( )	ETE-16-2	ETE-16D-( )	ETE-16K-1
HFU-E	Bay b			•	•
DPA-E ADA-E DTA-E	41 From Firm 5	F gure 200		i3C output voltag culing 6 pin (44). gure 200-36. Th	geneges selling i

· = Compatible

- B. Slide the directory out of the way.
- C. Insert a flat screwdriver blade into the notched opening (shown as A) and apply light upward pressure until the access panel is cleared of the front lip, at the same time apply pressure (towards you) at the rear of the pecestal (shown as B) until the access panel moves toward you.
- D. Remove the access panel and place it aside for later reinstallation.
- E. Locate the thirteen pin connector labeled DPA-E, as seen through the access view of the Multiline Terminal housing, seat the DPA-E unit into this connector, using care, securely insert the unit into the notched cavity, refer to Figure 200-43.
- Insert the four land execute the Replace the access panel of the land of the land of the four pin jack, CN3, located on it a ADA-E unit.

continue to install the ADA-E unit, DTA-E unit, or HFU-E unit, and is colors and lo not senior at rafts a web

# 260.4 ANCILLARY DEVICE ADAPTOR UNIT

- A. Unplug the line cord at the RJ13C/W and the terminal, then turn the Multiline Terminal upside down (face down) and locate the access panel on the bottom of the Multiline Terminal, refer to Figure 200-42.
  - B. Slide the directory out of the way. (1)
- C. Insert a flat screwdriver blade into the notched opening (shown as A) and apply light upward pressure until the access panel is cleared of the front lip, at the same time apply pressure (towards you) at the rear of the pedestal (shown as B) until the access panel moves towards you.
- D. Remove the access panel and place it aside for later reinstallation
- E. Locate the eight pin jack labeled ADA, as seen through the access view of the Multiline Terminal housing, just below is a four pin connector and jack labeled HAND, refer to Figure 200-43.
- F. Unplug the four pin connector ended harness (labeled HAND) and extend it out from the housing access hole.
- G. Locate the four pin connector ended harness from CN1 on the ADA-E unit into the jack labeled HAND.
- H. Locate and insert the eight pin connector ended harness from CN1 and CN2 on the ADA-E unit into the jack labeled ADA.

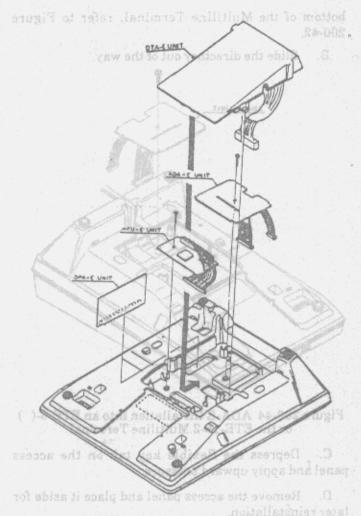


Figure 200-43 Optional Unit Installation

- I. Insert the four pin connector ended harness, removed in step F, from the Multiline Terminal into the four pin jack, CN3, located on the ADA-E unit.
- J. The ADA-E unit is mounted component side down after termination of the optional device required (Refer to Engineering Technical Information (ETI) Bulletins for various device hookups in Chapter 6).
- K. Secure the ADA-E unit by inserting the screw provided with the unit.
  - L. Replace the access panel

OR

Continue to install the HFU-E unit, DTA-E unit, or the DPA-E-unit.

260.5 ADA-E INSTALLATION into ETE-6-() or ETE-16-2 MULTILINE TERMINALS

A. Unplug the line cord at the RJ13C/W and the terminal, then turn the Multiline Terminal upside down (face down) and locate the access panel on the

bottom of the Multiline Terminal, refer to Figure 200-42.

B. Slide the directory out of the way.

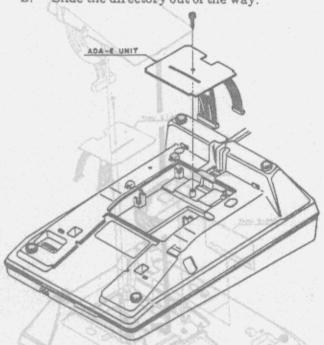


Figure 200-44 ADA-E Installation into an ETE-6-( ) or the ETE-16-2 Multiline Terminal

- C. Depress the flexible key tab on the access panel and apply upward pressure.
- D. Remove the access panel and place it aside for later reinstallation.

- E. Locate the eight pin jack labeled ADA, as seen through the access view of the Multiline Terminal housing, just below is a four pin connector and jack labeled HAND, refer to Figure 200 43.
- F. Unplug the four pin connector ended harness (labeled HAND) and extend it out from the housing access hole.
- G. Locate CN2, and insert the four pin connector ended harness from the ADA-E unit into the jack labeled HAND.
- H. Locate CN1, and insert the eight pin connector ended harness from the ADA-E unit into the jack labeled ADA.
- I. Insert the four pin connector ended harness, removed in step F from the Multiline Terminal into the four pinjack, CN3, located on the ADA-E unit.
- J. The ADA-E unit is mounted component side down after termination of the optional device required (Refer to Engineering Technical Information (ETI) Bulletins for various device hookups in Chapter 6).
- K.b. Secure the ADA-E unit by inserting the screw provided with the unit listed weeks and and the inserting
  - L. Replace the access panel.

260.6 DATA SWITCHING ADAPTOR UNIT (DTA-E) and specific the ectory see to the ectory and specific and specific

NOTE: Installation in all Multiline Terminals except the ETE-6-( ) or the ETE-16-2.

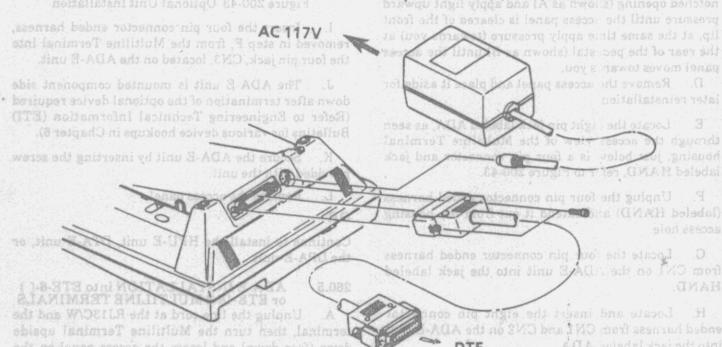


Figure 200-45 Connection of DTE/DTA-E Unit

- Unplug the line cord at the RJ13C/W and the terminal, then turn the Multiline Terminal upside down (face down) and locate the access panel on the bottom of the Multiline Terminal (See Figure 200-42).
  - B. Slide the directory out of the way.
- C. Insert a flat screw driver blade into notched the opening (shown as A) and apply light upward pressure until the access panel is cleared of the front lip, at the same time apply pressure (towards you) at the rear of the pedestal (shown as B) until the access panel moves toward you.

Remove the access panel, save for possible future use.

Before installing the DTA-E unit, its switches should be set for the proper assignment. (Refer to Table 200-18).

The DTA-E unit contains a 7 position DIP switch designated SW1 a slide switch designated SW2, and an 8 position DIP switch designated SW3.

Table 200-18 shows the assignments of these switches.

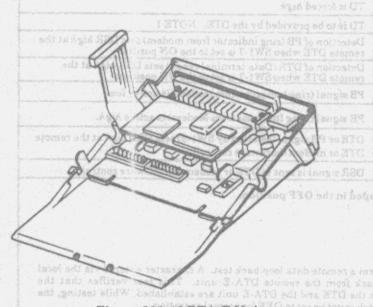
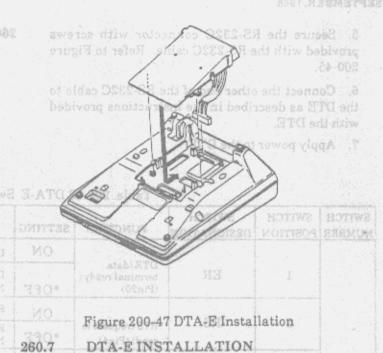


Figure 200-46 DTA-E Unit

- After assigning the switches, locate the fifteen pin connector labeled DTE, as seen through the access view of the Multiline Terminal housing, insert the fifteen pin connector from the DTA-E unit, as shown in Figure 200-45.
  - F. Replace the access panel. (217) sv. (217)

continue to install the ADA-E unit, DPA-E unit, or HFU E unit offer to Send) a grait affecting TU the come the RTS (Request TA Send) a grait that the

parameter is disabled when SWI position 8 is in the



For DTA-E installation, refer to Section 260.6 A of this document.

NOTE: Display Multiline Terminals with DTA-E units installed must be supported by an ESI-EB ETU and a CPU-EB (or higher level) ETU. If required, both DTA-E and DPA-E units can be installed in a display Multiline Terminal connected to channel 1 or 3 of an ESI-EB ETU. This arrangement is not possible when a Multiline Terminal is connected to channel 2 or 4 of the same ESI-EB ETU that has either a DTA-E or a DPA-E ETU installed.

- B. Data Terminal Equipment Installation Data terminal equipment (DTE) connected to the DTA-E units must be equipped with an RS-232C interface. Prior to connecting the DTE to the DTA-E unit, ensure that the power switch of the DTE is turned off.
- Position a Multiline Terminal (with a DTA-E) unit already installed) close to the data terminal to be connected.
  - 2. Plug in the station line cord into the Multiline Terminal.
  - 3. Plug in the AC/DC adaptor (provided with the DTA-E unit) into the nearest 117V AC receptacle, then connect the DC output cable of the AC/DC adaptor into the connector on the DTA-E unit, as shown in Figure 200-45.
  - 4. Connect one end of a locally provided RS-232C straight cable to the RS-232C connector of the DTA-E unit. Refer to Figure 200-45.

- 5. Secure the RS-232C connector with screws provided with the RS-232C cable. Refer to Figure 200-45.
- Connect the other end of the RS-232C cable to the DTE as described in the instructions provided with the DTE.
- 7. Apply power to the DTE

# 260.8 WALL MOUNT UNIT INSTALLATION

- 1. Remove the Wall Mount Unit as shown.
- 2. Remove the backing from the Rubber Thumb Guards (A) to expose the pressure sensitive tape; install two (2) Rubber Thumb Guards as shown in Figure 200-48.
- 3. Install Plastic Mount Supports (B) into slots.

Table. 200-18 DTA-E Switch Assignment (St as awards) later bed and to men and

SWITCH NUMBER	SWITCH POSITION	SWITCH	FUNCTION	SETTING	ezr sauto) eler DESCRIPTION laner seems and evente
		1.13		ON	DTR is forced high. Hant H. ATCI and aniil Jani and B
	1	ER	DTR (data terminal ready) (Pin20)	*OFF	DTR is to be provided by the data terminal equipment (DTE). Shoot NOTE 1
				ON	RTS is forced high. NOTE 1 or a satisface time 3-ATG or
	2omai	MARTINE AT LA	RTS (request to send) (Pin4)	*OFF	RTS is to be provided by the DATA terminal equipment (DTE).  NOTE 1
	naites as 3	refer poitalis	PB (Peripheral busy) (Pin11)	ON	PB (ring indicator from modem) is forced high. NOTE 1
				*OFF	PB is to be provided by the modem. NOTE 1
(DIP SWITCH)	I diiw el	elinimaT saifi (TD (Transmit		ON	TD is forced high,
SWITCH)	13-1 <b>4</b> 3 no	vd b.SD. gauss	data)(Pin2)	*OFF	TD is to be provided by the DTE. NOTE 1
	Dan II neq e installe	TH (level 197)	PB (Peripheral busy)	*ON	Detection of PB (ring indicator from modem) sets DSR high at the remote DTE when SW1-7 is set to the ON position.
10 1 1	data of	PB/ER	ER (Peripheral ready)	OFF	Detection of DTR (Data terminal ready) sets DSR high at the remote DTE when SW1-7 is set to the ON position.
		LETTE SINT	PR (Polarity	ON	PB signal (ring indicator from modem) is active low.
07 D61 68ff 3)	er 6	PR/PN	PN (Polarity normal)	*OFF	PB signal (Ring Indicator from Modem) is active high.
	Description of	DH/DS	DH (Data hard- ware controlled)	ON	DTR or PB signal (selected by SW1-5) sets DSI. high at the remote DTE or modem (hardware control).
erit p		ent (DTE) e	DS (Data soft- ware controlled)	*OFF	DSR signal is sent to DTE or modem via software control.

<sup>\*</sup> Denotes the recommended switch setting, all switches are shipped in the OFF position.

NOTE 1: If these leads are open, they should be forced high.

### SW 2

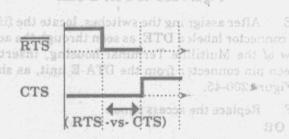
POSITION	FUNCTION
ON	Loop back test mode
OFF	*Normal Operation

Switch SW2 is used to perform a remote data loop-back test. A character entered via the local DTE keyboard is echoed back from the remote DTA-E unit. This test verifies that the transmission paths between the DTE and the DTA-E unit are established. While testing, the switch is set to ON. The switch must be set to OFF for normal operation.

#### SW 3

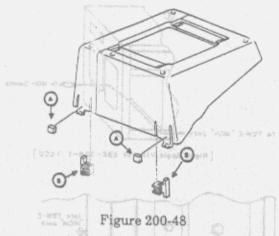
SWITCH	RCS ON TIME	SWITCH	FUNCTION	
1	0 sec.	OFF	Only one of	
2	0.03 sec.	OFF		
3	0.06 sec.	-of ON-ma	switches must be set to the ON position.	
4	0.12 sec.	OFF		
5	0.24 sec.	OFF		
6	0.72 sec.	OFF		
7	1.1 sec.	OFF		
8		*ON(FD) OFF(HD)	Full Duplex Half Duplex	

Plug in the ACDC adapter (provided with the

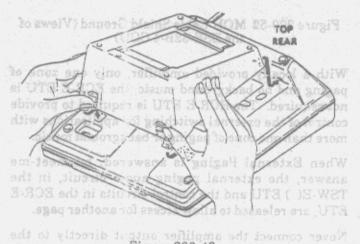


RTS vs. CTS TIME is defined as the time interval for sending the CTS (Clear To Send) signal after receiving the RTS (Request To Send) signal. This time parameter is disabled when SW3 position 8 is in the Full Duplex (FD) position.

SARABALIN



4. Attach the Wall Mount to the terminal by guiding the two straight tabs on the Wall Mount into the two notches on the top rear of the Multiline Terminal. Apply pressure to the Rubber Thumb Guards until the Wall Mount snaps in place attaching it securely as shown in Figure 200-49.



enil neswied Mar Figure 200-49 valer UTE 4-900

- telephones and/or outside lines and the paging orguit 5. Slide both Plastic Mount Supports down as shown in Figure 200-50.
- 6. Remove extension number designation strip, located just above the speaker grill under the A HGM via Exterbal Speaker (a) is atsabrah u
- 7. Remove the two screws securing the handset wall mounting hook. Slide the plastic hook out, turn it upside down and return it to its position (ensure the hook is exposed and pointed towards al the hookswitch) was Tentille M alv MOS
- 8. Reinstall the two screws and designation of two 1844M sources can be connected to the qirteno jacks, designated JKE and JKS, provided on the Delay Announcement machine when UCD is required

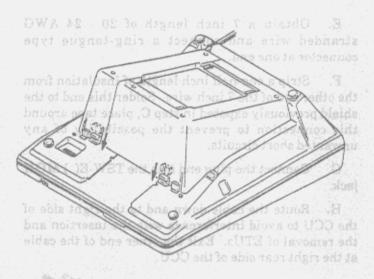


Figure 200-50

# SECTION 270 OPTIONAL EQUIPMENT CONNECTION MUSIC ON HOLD

270.1

Provision has been made to allow connection of a locally provided external music source to provide Music On Hold for held calls.

Music source input is made using the phono jack MOH located on the TSW-E( ) ETU. For music source's input level and impedance, refer to Section 220.20 of this document.

NOTE: In compliance with FCC Part 15 regulations, the following procedure must be implemented any time a Music On Hold source is connected to this system.

A. Make a slit on the cable insulation approximately one and one-half inches long, at a distance of 12 inches from the plug end, on the cable to be connected to the TSW-E() MOH jack.

Take special care not to cut into the shield wire and inner wire insulation.

- B. Make a circular cut in the cable insulation at one end of the slits A SE DE SE A STE Supports
- C. Pull the cut insulation from the cable, to expose the shield for the length of the slit and cut the insulation off, ad of suggest close and not viagrance at all
- D. Bend the cable near the middle of the exposed shield and separate the shield from the inner insulation in preparation for soldering, refer to Figure 200-51. The state of a contamination of the contami

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- E. Obtain a 7 inch length of 20 24 AWG stranded wire and connect a ring-tongue type connector at one end.
- F. Strip a one-half inch length of insulation from the other end of the 7 inch wire. Solder this end to the shield previously exposed in step C, place tape around this connection to prevent the possibility of any unwanted short circuits.
- G. Connect the plug end into the TSW-E() MOH jack.
- H. Route the cable down and to the right side of the CCU to avoid interference with the insertion and the removal of ETUs. Exit the other end of the cable at the right rear side of the CCU.

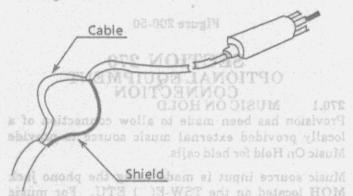


Figure 200-51 MOH Cable Shield Ground Exposed

I. The ring-tongue type connector installed in step E must be connected to the screw holding the PSE-AD-1 PSU. Refer to Figure 200-52 showing a suggested connection.

# 270.2 EXTERNAL PAGING

Audio output for external paging is available at the phono jack EP on the TSW-E() ETU. Shielded audio cable should be used for external paging audio connections.

The ECR-E ETU provides three contact closures, one per zone, for use in zone paging with meet-me answer. These contacts are labeled EPC 1A and EPC 1B through EPC 3A and EPC 3B. A maximum of one ECR-E ETU can be installed in a system providing a total of three paging zones.

It is necessary for the audio output to be connected to a locally provided amplifier and speaker(s), which are connected to the output of the amplifier via control relays, also locally provided. If the amplifier is a both way amplifier, two way paging is available. For connection information to a locally provided amplifier, refer to Figure 200-53. For external paging audio output level and impedence, refer to Section 220.20 of this document.

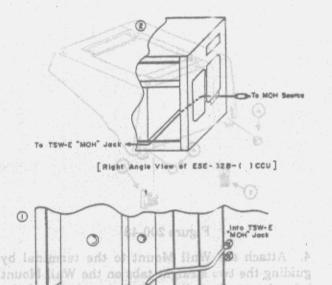


Figure 200-52 MOH Cable Shield Ground (Views of the ESE-32B-1 CCU)

Chets Front View of ESE-SES-( 1004 D. 008 STURY I

With a locally provided amplifier, only one zone of paging and no background music, the ECR-E ETU is not required. The ECR-E ETU is required to provide control of the external switching for applications with more than one zone of paging or background music.

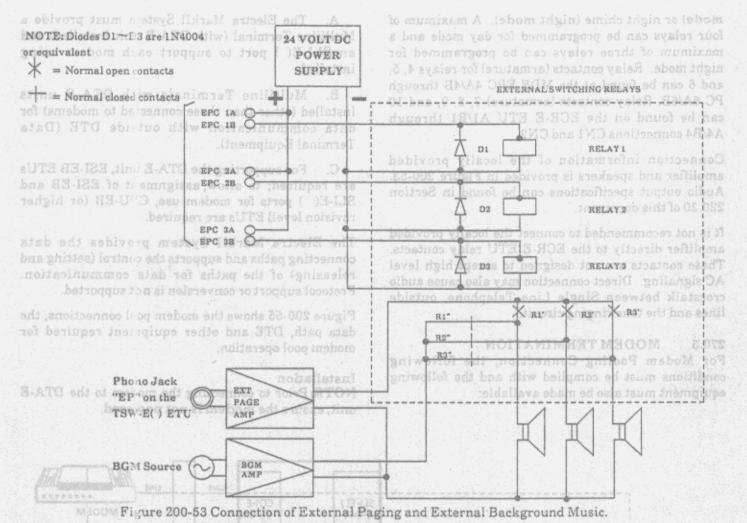
When External Paging is answered, by meet-me answer, the external paging audio circuit, in the TSW-E() ETU and the control circuits in the ECR-E ETU, are released to allow access for another page.

Never connect the amplifier output directly to the ECR-E ETU relay contacts. Crosstalk between line telephones and/or outside lines and the paging circuit may occur.

# 270.3 BACKGROUND MUSIC / DELAY

- A. BGM via External Speaker(s) is available if the ECR-E ETU is installed. A BGM source, an amplifier for BGM and external speaker(s) should be locally provided. For connection information, refer to Figure 200-53.
- B. BGM via Multiline Terminal Speakers is available if the ECR-E ETU is installed. A maximum of two BGM sources can be connected to the phono jacks, designated JK2 and JK3, provided on the ECR-E ETU. JK3 can be alternately used to connect a Delay Announcement machine when UCD is required in the system. Shielded audio cable should be used for

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BGM audio connections. For BGM and Delay Announcement sources output level and impedance, refer to Section 220.20, of this document.

270.4 EXTERNAL TONE RINGING / NIGHT

External tone ringing is available when the ECR-E ETU is installed. The ECR-E ETU provides a continuous tone source for external tone ringing. The External tone can be set to any of four ring patterns. These patterns are selectable with DIP switch SW2 (refer to Table 200-19).

The audio output for external tone ringing appears at the phono jack JK1 on the ECR-E ETU, its level is adjustable with the volume control VOL1 on the ECR-E ETU.

Shielded audio cable is required for this feature. The ECR-E ETU provides four relay contact closures, one per external ring control circuit.

In addition to the three fixed paging zone relays (1-3) the ECR-E contains seven relays which can be programmed to perform external tone ringing (day

Table 200-19 ECR-E Ringing Tone Sources

Tone #	Description	SW2 Assignment	
10116 #	Description	Switch in Position 3	Switch in Position 4
1	Continous Ring Tone (480/606 Hz modulated by 16 Hz)	OFF	OFF
2	Continous Ring Tone (480/606 Hz modulated by 8 Hz)	OFF	ON
3	Ping-Pong Sound (1285 Hz/0.5sec. ON, 1024 Hz/0.5sec. ON, 5sec. OFF)	ON	OFF
4	Continous Fone (1024 Hz)	ON	ON

mode) or night chime (night mode). A maximum of four relays can be programmed for day mode and a maximum of three relays can be programmed for night mode. Relay contacts (armature) for relays 4, 5, and 6 can be found at the MDF EPC 4A/4B through PC 6A/6B. Relay contacts (armature) 7, 8, 9, and 10 can be found on the ECR-E ETU A1/B1 through A4/B4 connections CN1 and CN2.

Connection information of the locally provided amplifier and speakers is provided in Figure 200-53. Audio output specifications can be found in Section 220.20 of this document.

It is not recommended to connect the locally provided amplifier directly to the ECR-E ETU relay contacts. These contacts are not designed to accept high level AC signaling. Direct connection may also cause audio crosstalk between Single Line Telephone, outside lines and the tone ringing circuit.

# MODEM TERMINATION

For Modem Pooling Connection, the following conditions must be complied with and the following equipment must also be made available:

- The Electra MarkII System must provide a Multiline Terminal (with DTA-E unit installed) and an SLI-E() port to support each modem being installed.
- B. Multiline Terminals with DTA-E units installed (other than those connected to modems) for data communication with outside DTE (Data Terminal Equipment).
- C. For supporting the DTA-E unit, ESI-EB ETUs are required; to allow assignment of ESI-EB and SLI-E( ) ports for modem use, CPU-EB (or higher revision level) ETUs are required.

The Electra MarkII System provides the data connecting paths and supports the control (setting and releasing) of the paths for data communication. Protocol support or conversion is not supported.

Figure 200-55 shows the modem pool connections, the data path, DTE and other equipment required for modem pool operation.

### Installation

NOTE: Prior to connecting the modem to the DTA-E unit, ensure the modem is not powered.

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D.

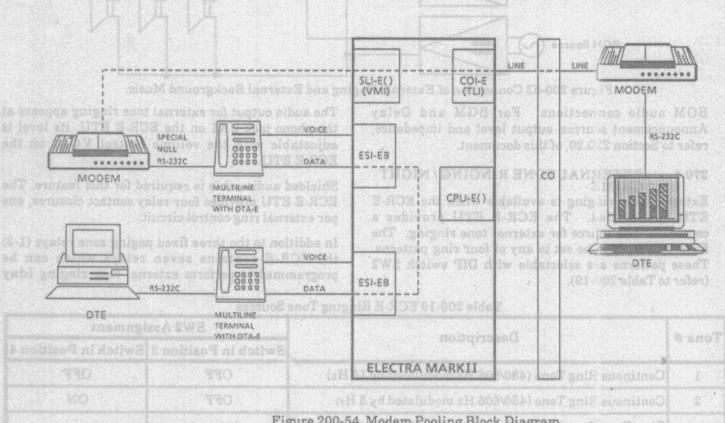


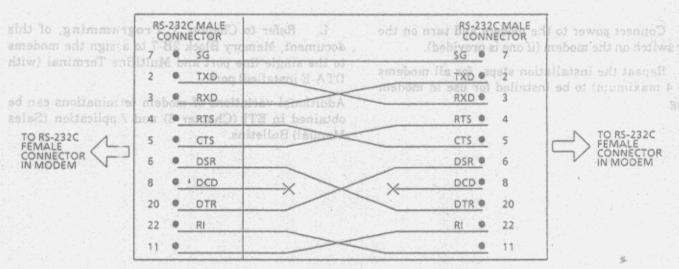
Figure 200-54 Modem Pooling Block Diagram

- A. Locate a modem near a Multiline Terminal (with a DTA E unit installed) already programmed for modem pooling.
- B. Plug in the station line cord into the Multiline Terminal.
- C. Plug in the AC/DC adaptor into the nearest nominal 117V AC receptacle, then connect the DC output cable of the AC/DC adaptor into the DTA-E unit as shown in Figure 200-46.
- D1. Installing keyboard dial/auto answer modems:
  Use a modular ended line cord to connect the
  modem to a vacant SLI-E() port that is programmed
  for the same modern connection as in step A. Proceed
  to step E.
- D2. Installing non-keyboard dial/auto answer modems:

An Automatic Control Unit (ACU) interface connector is provided with the modem. This connector must be wired to the single line tip and ring and to the PWR relay contact of the DTA-E. The interface connector is connected as shown in Figure 200-55.

a. Remove the DTA-E unit from the Multiline Terminal being connected to the modem. Plug in the PWR contact plug in the CN-2 socket of the DTA-E unit. Refer to Figure 200-56.

- b. Connect the other end of the PWR cable (red and white wires) to the TD (pin 5) and TDG (pin 25) of the ACU interface female connector provided with the modem.
- c. Connect the SLI tip and ring to be used for the modem, to pins 7 and 8 of the ACU interface female connector.
- d. Plug the female ACU interface connector into the male interface connector on the back of the modem.
- E. 78 Set the baud rate of the modem to 300 or 1200, as required. This setting must be set to the same baud rate normally used by the distant modem when using modem pooling.
- F. Set up the necessary parameters of the modem; refer to the instructions provided with the modem. If the modem is used for incoming modem pool use, the modem auto answer mode must be enabled.
- G. Connect one end of a special null modem RS-232C cross cable to the RS-232C connector of the DTA-E unit. Refer to Figure 220-45 and 55.
- H. Secure the RS-232C connector with the screws provided with the RS-232C cable.
- I. Connect the other end of the RS-232C cable to the modem, as described in the instructions provided with the modem.



CABLE LENGTH: 50 feet (15 m) max.

CABLE TYPE: Twisted pair shielded RS-232C cross cable with RS-232C male connectors on both ends.

NOTE: The special null modem cable has pen 22 crossed to pin 11.

Figure 200-55 Wiring Connections of RS-232C Cross Cable for Connecting a Modem to a DTA-E unit.

er) e des EIA de la losignates	A Locate a modern near a Multiline Terminal b, Conganaire ot
PIN NO. DESIGNATION	
interface fema ! consect	The state of the s
2 MB1	
3 MB	MAKE BUSY RELAY CONTACTS IN MODEMEN'S count brook and products and and mail's
ti ne basu red of pain bacogif i	GROUND RETURN FOR GLAMP CIRCUIT
angre of the Atgulation	I menopulating commercial refer tions full took from the contract. If
7 T	C Plug in the AC/DC adaptor into the nearest quifanifenon-
rai 14159 1185 118 1187 1874 1	norminal 1177 AC receptacie, then connect the DC Drin and anone part
te lo sandiant or retonic of the	RING DETECT CONTACTS (TO GROUND) IN MODEM SOURCE OF OA SELECT SELECTION OF THE SELECT SELECT SELECTION OF THE SELECT SELECTION OF THE SELECT SELECT SELECT SELECT SELECTION OF THE SELECT SELEC
14 C	DATA MODE CONTACTS (TO GROUND) IN MODEM
16 D1	DATA MODE CONTACTS (TO GROUND) FROM ACU TELEPHONE SET TIP
te oftthe modern to 2000 of 120	ar DITELEPHONE SET TIP off Tomanos of bros only being salubons as all
uad stans (22) of a selection at	
nieu sedw 23 spion under edd	CONTACT CLOSURE INDICATING THAT MODEM OR TELEPHONE IS HOLDING THE LINE
24 A1	CONTACT CLOSURE INDICATING THAT MODEM OR TELEPHONE IS HOLDING THE LINE
25 TDG	GROUND RETURN FOR TO SWITCH (SEE PIN 5) (POWER RELAY CONTACT)
da daiy benivore anemanan	17. Installing non-Reygoard dislants answer
is used for incoming modes	TAR TO: SU
gain answer mode must b	
	ME 25 PIN MALE CONNECTOR
	TD & TDG INCOME. IN SECURITION OF THE PROPERTY OF THE SECURITY
d of a special null modem Ri	
di le Mannon Tere 28 a	WR relay contact of the DTA-E. The Dischard ARC cross cable to

H Secure the RS-232C connector with the screws

the PWR cents of plug in the CN-2 sectors of the

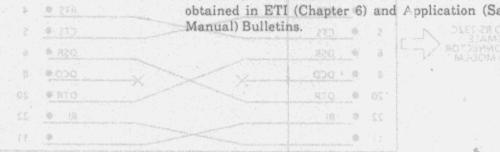
Figure 200-56 Data Set Modem (Non Hayes Compatible Modem) Telephone or ACU Interface the modern, as described in the instructions provided

Connect power to the modem and turn on the power switch on the modem (if one is provided).

K. Repeat the installation steps for all modems (up to 4 maximum) to be installed for use in modem pooling.

Refer to Chapter 3, Programming, of this document, Memory Block 2B-7 to assign the modems to the single line port and Multiline Terminal (with DTA-E installed) port.

Additional variations of modem terminations can be obtained in ETI (Chapter 6) and Application (Sales Manual) Bulletins.



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# CHAPTER 3 PROGRAMMING

# CHAPTER 3 PROGRAMMING

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818000	rerminal to Attendant			Assignment Frunk Group to Access	300-106
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	그 그 그 그 그 그 그 그 그 이 생생생님들이 되었다.				

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- 1 / III - II					

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### 310 GENERA Lignimers gnimmargurg and alisiW

cannot be signaled by any station in the system. The Electra Mark II is a stored program controlled system. Upon initial power up, the system's CPU-E() ETU scans each of the possible interface slots (up to thirty two) to determine the hardware configuration. The system stores this information as well as system default values in memory. This area of memory is referred to as the resident system program. After the initial power up, a trained technician can change the resident system program so that the Electra MarkII can meet the particular needs of the customer. Samples of job specification sheets are provided in this chapter. These sheets help organize each customer's programming needs, and should be used and retained on the job site as well as in the office near if se toolee of been one d'a figuerat

NOTE: Before attempting any programming of the Electra MarkII System, it is important that the battery on the CPL-E be checked to make sure it is on. Failure to do so may result in loss of system programming.

#### 320 HOW TO USE THIS CHAPTER

BLF and CO Add On M dule Button Chapter 3, of this installation manual, provides all the necessary information for programming the Electra MarkII system. The chapter is divided into the following sections:

These sections, defined by letters A through E. of 310 General of anutse's gatezangeh vd bezzenes

320 How To Use This Chapter

330 Resident System Default Values

340 System Programming and vromem a sand

350 Function Timer Charts and mod san neither

360 Toll/Code Restrictions are 027 of 117 aged

370 Job Specifications

This HOW TO USE CHAPTER provides the reader directions and recommendations for using Chapter 3.

#### SYSTEM PROGRAMMING

Section 340 describes, in detail, each of the programming areas in the five memory blocks. This section is to be used as a guide when programming. For each programming area, Section 340 provides two reference pages; the first page provides step by step instructions as well as all display messages, while programming. The second page supplies supplement charts and notes to help explain the program instructions, it also explains the use of each function and line key as it pertains to the particular program area.

### FUNCTION TIMER CHARTS were sink at bedsfores

Section 350 is provided as a quick cross reference for all of the system's timers, which can be set through programming. This section provides a full description of each timer, explaining their purpose and function within the system, as well as their default values, range, and the memory block area it is assigned.

### TOLL/CODE RESTRICTIONS

Section 360 discusses the code restriction plan designed into the Electra MarkII system. Initially this section describes the code restriction tables and their general use when dial restricting stations. Discussion is then extended to the following dialing areas: notate at the servicing office, in the customeran

A. 1 + dialing areas

B. Direct Dialing areas

C. OCC, Equal Access ROOMS SHT DRINGTVA

D. Puerto Rico area Main 30 MOITOMISS SHT

Flow charts are provided for each dialing area listed. These flow charts provide the reader with a clear step by step understanding of how each type of restriction is handled. This is all the information needed to have a complete understanding of the Code Restriction Plan. Each flow chart is provided with an outline explanation of the steps in the flow chart to further simplify the discussion, all softsmolus are confirmed

#### JOB SPECIFICATION SHEETS

Section 370 contains a sample of the job specification sheets. These sheets contain all the system programming values and configurations required for an installation.

During the initial stages of system planning, the job specification sheets are necessary for collecting information to enable an accurate costing and installation of an Electra MarkII system. The customer information, as collected by the salesperson (or installation supervisor), is recorded onto the job specification sheets. The order of these sheets are presented in the logical order of the memory blocks (as provided in Section 340), to make the system programming as easy and efficient as possible.

The first group of sheets are used for entering the station features; line button assignments, for Multiline Terminal and DSS/BLF consoles, as well as dialing restrictions and class of service (as required by the customer) are listed here. The second group of sheets are for assigning system features; assignment of trunk groups (for specialized service) and the assignment of system attendants, for example, are

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completed in this group. The last group of sheets are used for documenting all of the necessary information about the system configuration. This section is very useful for service technicians who need to keep track of adds, moves, changes, and in some cases for troubleshooting. Tied as liew as moseys and ruthiw range, and the memory block area it is assigned

Each job specification sheet additionally includes a brief description sheet explaining all the chart entries. These job sheets must be kept up to date, and LEFT ON THE JOB SITE, to provide technicians with all the necessary information needed to provide the customer with proper, and professional service. A duplicate copy of the job spec sheets should also be maintained at the servicing office, in the customer's file for reference. A. I + dialing aroun

#### ENTERING THE PROGRAMMING MODE AND THE SELECTION OF MEMORY BLOCKS

In order to use the sections just discussed, a brief description of how to enter the programming mode and the selection of memory block areas is necessary. is handled. This is all the information needed to have

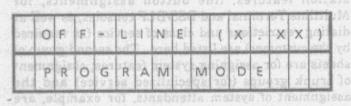
Initially, programming of the Resident System Program can be accomplished by either of two ETE-16D-( ) Multiline Terminals. These station positions are automatically assigned to the two lowest ESI-E( ) ports in the system. Although these positions are fixed, a third programming position can be assigned to any ESI-E( ) port in the system, that supports an ETE-16D-() Multiline Terminal. For an RAA-E unit, a fourth ESI-E( ) port can be assigned in Memory Block 1E2.

The first step, when entering any area of programming, is to place the programming station into the OFF-LINE mode. as sidene of nontagratural installation of an Electra Markil system

### customer information, as collected SMIL-FIG OO OT

- A. Depress L16 (Primary Extension Line)
- B. Depress the Speaker Key (receive dial tone)
- C. Dial #, \*, 0 in sequence and an harmanang (as provided in Section 340), to make the system

After these three steps, the LCD on the Multiline Terminal will be as shown. The display (X.XX) is the software level of the CPU-E( ) seed to quote said ent



war and the state of the state of

While the programming terminal is OFF-LINE, it cannot be signaled by any station in the system. Only one programming terminal can be OFF LINE at one system. Upon ritial power up, the systemit CPU-E( ) ETU some each of the possible interfac

The next step is to select the area in the system memory blocks which correspond to the feature, or function, to be programmed. A memory block index has been provided to help the programmer locate the area needed. Selection of a memory block location is done by depressing the Multiline Terminal's Feature Access keys in a predetermined sequence. The ETE-16D-() Multiline Terminal has twenty Feature Access keys, F1 through F20, which are used for this purpose. The Resident System Program is setup into five memory block areas. Feature Access keys F1 through F5 are used to select each memory block area, 1 to 5 respectively. NOTE: Before attempting any programming of the

Within each memory block area, memory feature sections are grouped by letter designation, for example, memory block 1 is divided into five sections:

- A. Line Key Assignment
- B. Ringing Assignment
- C. DSS/BLF and CO Add-On Module Button ils and Assignments notificiated sint lo . Trangard D. Station Feature of nortaminal gracesoen and
- E. Station Assignment T metre Hand annual

These sections, defined by letters A through E, are accessed by depressing Feature Access keys F6 to 320 How To Use This Chapter F10 respectively. 330 Resident S. stem Default Value

Once a memory block area and memory feature section has been chosen, selection of Feature Access keys F11 to F20 are used to enter a particular memory feature item.

Tabasi od rabivery MEMORY MEMORY MEMORY FEATURE FEATURE BLOCK SECTION

F1 through F6 through F11 through FEATURE KEY CARE PERSON AST PIO AMERICAN FEO COME TO T reference pages, the first page provides step by step instructions as well is all display messages, while and line key as it pertains to the particular program

### SECTION 330 RESIDENT SYSTEM DEFAULT VALUES

the control of all properties of the control of the

MEMORY BLOCK	NOITONUT	DEFAULT VALUES	BLOCE
Howed	Originating Camp-On - All stations are		
Dawell bawell 1A 22212 bang bawell	Receiving Camp-On All stations are Call Forward Call Forw	6 Line Multiline Terminal     Line keys 1 ~ 5 = CO/PBX lines     Line key 6 = Primary exte      16 Line Multiline Terminal     Line keys 1 ~ 15 = CO/PBX lines     Line key 16 = Primary exte	nsion 1 ~ 15
1B	Ringing Assignment (Day and Night Mode)	CO/PBX lines 1 ~ 15 ring at attendants	1 and 2
1C1	DSS/BLF to Attendant Assignment and	DSS/BLF Consoles 1 and 2 assigned to Attendants 1 and 2 respectively. No oth DSS/BLF console assigned to any attend	ner lant
(1 <u>C2</u> ) <sub>quo</sub>	BLF Terminal Assignment	No ETE-16D-() Multiline Terminals ar assigned the BLF feature	e Drai
1C3	Depends on system configuration  Not essigned; not busied out	DSS buttons 1 ~ 30 are assigned to stat 100 ~ 129 respectively when 30 or mor are installed on DSS/BLF consoles 1 and less than 30 stations installed, the unus are assigned vacant.	estation 12. Wit
1C4 tne/nqtu	DSS/BLF Flexible Function Key Assignment		OSS/BLF soles d 2
1C5	DSS to CO Add-On Module Assignment	No DSS/BLF units are assigned as CO A Modules	dd-On
1C6	CO Add-On Module Line Key Assignment	Not Assigned man gammargar	1,45
1C7	CO Add-On Module Day Mode Ring Assignment	Not Assigned	CAS
1C8	CO Add-On Module Night Mode Ring Assignment	Not Assigned	S A C
1D1	Prime/Ringing Line Assignment wollastd	Prime Line to Primary extension No ringing line preference is assigned o Multiline Terminals	
1D2	Data Service Assignment woffpald	No auto answer, auto release	ZAS
1D3	User Program Assignment	Off-Hook Ringing to Attendants 1 and 2 Voice/Tone Signaling - Voice Ringing Tone - Tone # 1	
1D4	Trunk Group Incoming Restriction   1000	No station is restricted on all trunk grou	ıps 🦠
1D5	Trunk Group Outgoing Restriction	No station is restricted on all trunk grou	ıps
106	Code Restriction Table Access	No code restriction table is assigned to a	ny 185

### SECTION 330 RESIDENT SYSTEM DEFAULT VALUES

MEMORY BLOCK	FUNCTION BEAULT VALUES	DEFAULT VALUES	MEMORY
polanatki	*6 Live Multiline Terminul	<ul> <li>Originating Camp-On - All stations are an expension of the Receiving Camp-On - All stations are an expension of the Receiving Camp-On - All stations are an expension of the Receiving - No station is asset of the Receiving - No station is all and a station are an expension of the Receiving - All stations are an expension of the Receiving - All stations are all stati</li></ul>	allowed allowed tricted igned owed allowed igned to LCR denied
1D8:///o	Terminal to Attendant Assignment	All stations are assigned to attendant 1	191
1D9	Terminal to Paging Zone Assignment	No station is assigned to any zone	
1D10	Call Pickup Group Assignment	No station is assigned to any call picku g	roup
1E1	Terminal Exchange   Septime 220	Not assigned framework and and 201	E)1
Moid 1E2 Store	Terminal Add Port	Depends on system configuration	
#151E3#800#	Terminal Busy Assignment	Not assigned; not busied out	
1E4	Terminal/Telephone Information	Depends on system configuration	
1E5eneO	Port Information 12 yell montant	Hardware & software: yes for installed eq	uipment
(186)	Telephone Number Exchange	Not assigned	
1E7	Telephone Number Change	Not assigned	
2A1	Programming Terminal	Attendants 1 and 2: Fixed programmit Attendant terminal must be ETE-16D-(). Third programming station is not assigne	Section 1.
2A2	Speed Dial Tenant Assignment	All system speed dial buffers (20 ~ 99) are tenant 1	
2A3	Speed Dial Override Assignment	All system speed dial buffers override cod	e restriction
2A4	Incoming Prime Line Pickup	Disallow and the same and the s	701
2A5	CO * and # as 1st. Digit Assignment	Disallow	
2A6	SMDR Incoming Print	Disallow wolfgringent wollasid	102
2A7 3 50	Internal All Call	Disallow	201
2A8	Account Code Digit and Tangain	10 digits	
2A9 rong	PBX Outgoing Code responses of	Code 1 - 9 - 9 - 1 yninaant quand sa rT Code 2 - Not assigned	1.07
2A10	Tie Line Digit Restriction	No restriction	
2B1	Modem Pooling PC Keyboard Dialing	Disallow	
282	Allow Forward Override	Allow	

MEMORY BLOCK	SHUJAVFUNCTION	DEFAULT VALUES	KEMORY BLOCK
283	DIT Trunk to Tenant Assignment	All DIT trunks assigned to tenant 1	income in complete a successful property of the complete of th
284	DIT Assignment demargles a I taskn	No Assignment	
285	CR 1 -+ Dialing a 2) gargan OO lac	Not 1 + dial area lasa mentag galfilest Fion	188
286 (	LCR Local Call Override mix OO land	Local calls override LCR manual x same	382
287	Modem Pool Assignment	No assignment lade Digital and No	363
288	VMI Assignment	All VMI ports are assigned for Voice Mail DTMF automatic dial is not applied to any	VMI port
289	LCR Bypass Assignment	All trunk access code groups do not bypass	LCR 388
2B10	Recall Key for Tie Lines	Extension dial tone	Hele lever retr s pasted analysis substitution
2C1	Trunk to Trunk Group Assignment	All CO trunks are assigned to trunk group lines are assigned to trunk group 2	1. All Tie
202-1)1	Trunk Group to Tenant Assignment	All trunk groups are assigned to tenant 1	38.8
2C3	Trunk Group to Access Code Group	All CO trunk groups are assigned access co (Trunk item code group 1) except for trunk which is assigned access code 8 (Trunk item	group 2,
2C4	Voice Mail Hunt Group Assignment	No extension number is assigned for voice group	mail hunt
2C5	Delay Announcement Assignment	Not assigned	
2C6	Uniform Dial to Trunk Access Code Group	Trunk access code group 2	301
2C7	Night Chime Assignment oldesilega	No Night Chime assigned to any trunk grou	ap SGE
2C8	External Ringing Control eldsoliggs	No External Ringing Control Relay assign trunk group	ed to any
2C9	ECR Relay Assignment and leib broke	Relay #1 - External Paging Zone 1 (Relay #2 - External Paging Zone 2 (Relay #3 - External Paging Zone 3 (Relays #4~10 are not assigned.	ixed)
2C10	Virtual Extension Assignment	Virtual extensions 01 ~ 48 are assigned to 200 ~ 247 and research would appear to the contract of the contract	extensions
2D1	Time Base Assignment I	See Job Spec 2D1 this chapter woll A side T	365
2D2 9	Time Base Assignment II quota anun	See Job Spec 2D2 this chapter was about	386
2D3	Time Base Assignment III	See Job Spec 2D3 this chapter	
2E1	System Access Code Assignment	See memory block 2E1 this chapter	* 535
3A2	Attendant 3rd and 4th Assignment	Not assigned	All the second
3A3	Attendant Overflow Assignment	Not assigned	

and the substitute of the control of the substitute of the substit

MEMORY BLOCK	FUNCTION	[	BLOCK
3A4	Attendant to Tenant Assignment	Attendants 1 & 2 are assigned to tenant 1 Attendant 1 assignment is fixed	282
3B1	First Ring Pattern Assignment	Normal CO ringing (2 secs. ON, 4 secs. OFF)	285
382	Centrex Ringing Assignments all so la	Normal CO ringing (2 secs. ON, 4 secs. CFF)	286
3B3	Forced Account Code Digit agrangians Assignment	10 digits tnemmgieza loog mebul.	287
384; IMV	RAA SLT Assignment	None	
385 £03	Station Hunting Pilot Number State Assignment	I.CR Bypass Assignment and	289
386	Station to Hunt Group Assignment	No extension number for hunt group number (	1~8)
387	Station Hunt Type Assignment	Linear hunting	
3B8	Station Hunt group Asssignment	No FWD destination for hunt group number (1	~8)05
389 Cab	Trunk group to Line Pool Group at ON Assignment was if guerry above medi was		203
3810 Inucilian	Line Pool Group Auto Extension Assignment	Pool auto, extension is only assigned for prima extension agraes A questo small lists actor?	ry POS
3C1	Telephone Name Assignment	Not assigned	
3C2	Trunk Group Name Assignment	COCALL	
3D1	First Initialization	Not applicable qual	V-23.
3D2 gs	Second Initialization Res amid Order	Not applicable assignment aldapilqua you	202
3D3 of ba	Slot Initialization O morgania familiation	External Ringing Control eldailqqa toN	208
3D4	Terminal (TEL, DSS) Initialization	Not applicable	
3E1 (55X)	Regional Dialing Assignment	Standard dial area	209
3E2(box)	1+ Dialing Assignment	All trunk groups are not assigned 1+ dialing	
3E3	Rejection Code Assignment	No rejection code is assigned to code $1\sim4$	
3E4	System Allow/Deny Assignment -8 -	Allow	
3E5	Table Allow/Deny Assignment of dol	Deny I strangissA east om T	201
3E6	Trunk Group to Code Table 3 3998 doll Assignment	No trunk group is assigned to any code table	202
3E7	Table- OCC Flag Assignment	No OCC flag is assigned to any code table	
3E8	Table- OCC Code Assignment	No OCC code is assigned to any code table	
3E9	Restriction Table Code Assignment	No area/office code is assigned to any code tab	le
3E10	Special Code Assignment	No special code is assigned	

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MEMORY BLOCK	NOITONUT VALUES	DEFAULT VALUES YEOME	
4A1	System All Busy Restore Assignment	System not busied out	
4A2	System All Busy Out Assignment	System not busied out	
481	COI-I Initialized Values alderlings to	DTMF; CO; No disconnect signal from CO: DTMF duration = 110 mS. Hookflash 1.5 seconds	
482	COI-II Initialized Values	Hit Protection Time = 350 mS.; Disconnect Recogni Time = 300 mS. Pause = 1 sec. Interdigit time = 70	itio m
483	SLI Common Values eldeoliggs 30	HFS = 300 mS.; HFE = 1 sec.; BP = 300 mS.	
4B4	ESI-EB Data and Second Voice Path Assignment	All ESI-EB paths are assigned Dual Path	
486	COI-III Initialized Values	DTMF; CO; No disconnect signal from CO; DTMF duration = 110 mS. Hookflash 1.5 seconds	
487	COI-IV Initialized Values Programming Parameters	Hit Protection Time = 350 mS.; Disconnect Recogni Time = 300 mS. Pause = 1 sec. Interdigit time = 70	
488	VMI Initialize 1 Assignment	HFS = 300 mS.; HFE = 1 sec.; BP = 300 mS.	
489	VMI Initialize 2 Assignment	Interdigit Interval Time = 70 mS.; DTMF duration : 110mS.; Pause Time = 1 Sec.; Disconnect Time = 1.5	
4C1	Card Interface Slot Assignment	Depends on system configuration	
4C2	Interface Slot Busy Out Assignment	No slot busied out	
4E1	TLI Line Type Assignment	Second dial tone	
4E2	TLI Dial Tone Assignment	Send dial tone to outside	
4E3	TLI Digit Add/Delete Code Assignment	Delete digits: 0 Additional digits: NO	
4E4	TLI-I Initialized Values	Pause Time = 1 Sec.; Pre-pause Time = 3 Sec.; CO Answer = 520 mS.; CO Release = 520 mS.	
4E5	TLI-II Initialized Values	Wink Detect = 520 mS.; Delay Detect = 120 mS.; L Off-Guard = 2 Sec.; Wink = 180 mS.	100
4E6	TLI-III Initialized Values	With Wink Delay Signal Timeout = 7 Sec.; Outgoing Guard = 3 Sec.	
4E7	TLI-IV Initialized Values	2dB loss to each path	
4E8	TLI-V Initialized Values	DP (Receive and Send) Interdigit Interval Time = 70 DTMF duration = 110mS.	m
4E9	Tandem Port to Hunt Group Assignment	Not Assigned.	
4E10	Trunk Group to Tandem Hunt Group Assignment	All trunk groups assigned to Tandem Hunt Group 1	

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MEMORY BLOCK	BEULAV FUNCTION		DEFAULT VALUES	MEMORY BLOCK
5A	Station Copy Assignment	N	ot applicable standard design and applicable	TAB
5B1	CPU Initial History beland too men	NY	ot applicable A to O was HA matev	4A2
582	System Program Check		ot applicable saulas Values of Indiana	481
58310088	Interface Slot Check	N	ot applicable '	
5B4	Terminal Check 9817 881581019	N	ot applicable souls V beginstim II-IOC	482
585	Software/Hardware Slot Status	N	ot applicable saule V nomino D.I.	483_
586	Software/Hardware Terminal Status	N	Second Voice Fall	484
5C1	System Data Last Change	N	ot applicable	485
5C2nopea	Data Dumpi Em 011 = nonerob W	the state of the state of		1212
	Protection Time = 350 mS; Discanae ie = 300 mS. Pause = 1 sec. Interdigit		COLIV Initialized Values Programming Parameters	487
nS.	S = 300 mS; HFE = 1 sec.; BF = 300 :	HFS	VMI Initialize I Assignment	884
duration = l'ime = 1.5 Sei	rdight Interval Time = 70 mS.; DTMF mS.; Pause Time = 1 Sec.; Disconnect	ini ili	VMI initialize 2 Assignment	489
	ends on system configuration	Dep	Card Interface Slot Assignment	104
	auo haisud sola	Not	interface Slot Busy Out Assignment	
	and dial tone	Sec	"Li Line Type Assignment	134
	d dial tone to outside		TLI Dial Tone Assignment	4E2
	ete digita: 0 Itional digita: NO		TLI Digit Add/Delete Code	463
Sec.; ) mS.	se Time = 1 Sec.; Pre-pause Time = 3 Answer = 520 mS.; CO Release = 520	Pau CO.	T.LFinitialized Values	954
20 mS., Loap	is Detect = 520 mS ; Delay Detect = 1 Guard = 2 Sec., Wink = 180 mS.		'I.I.II Initialized Values	
	h Wink Delay Signal Timeout = 7 Sec. going Quard = 3 Sec.		" Li III Initialized Values	466
	loss to each path		1 L1-1V Inicialized Values	467
Time = 70mE	Receive and Send) Interdigit Interval AF duration = 110mS.		i Ll-V Initialized Values	458
	Assigned.	Not	Tandem Port to Hunt Group Assignment	eat
A Group 1.	runk groups assigned to Tandem Hur	HA	Lunk Group to Tandem Hunt Croup Assignment	4610

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CHAPTERS.

# SECTION 240 SYSTEM PROGRAMMING DATA SHEETS MEMORY BLOCK 1A - LINE KEY ASSIGNMENT

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- ន់**លោកការថ្នាន់ ខេត្តបន្តិ ខេត្តទទួ**ន និងហេតុ នៅក្នុង១០ ២០០០ នៅក្នុង១៩ ១០នៅជាងថា ។ បន្ទ
- 40. If more surfaces need programming, depress F/W or M/W until desired station number is: displayed, then go to step 5
  - 11. When all stations are programmed, depress the SFKR key to go back on line.

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#### SECTION 340 SYSTEM PROGRAMMING DATA SHEETS MEMORY BLOCK 1A - LINE KEY ASSIGNMENT

			01	PE	RA	TI	10	4	-	<b>*</b>	-			-		-	AN	D -				->	- <u>D</u>	)IS	PL	AY							
1. Go	of	lin	e.																0	F	F		L	1	N	Ε	5.4	(	X	E	Χ	Х	)
																			P	R	0	G	R	Α	M		IVI	U	U				
2. De	pre	ess	F1.															Т	Ε	R	M	1	N	Α	L								
3. De	pre	ess	F6.															 011	VI.	TVI		a.A.	9 2	LH.		_							
4. Dia	als	tat	ion r	ıun	nbe	rb	ein											L	1	N	E		K	E	Y		Α	S	S	1	G	N	
			=S															Т	E	L	?	?	?										
																						_			_	_	T =	-					_
5. De			ine nd 2		tor	ı to	be	as	sig	me	d (	L1	~	L1	5).	(S	ee	L	K		A	S	G	N	-		T	E	L	1	0	4	
110	002	. 1. 0	11U 2															S	E	L	Ε	C	T		L	Ц	N	E		K	Е	Y	_
CO line F11 Fool F12 Extensio F14 Data Tra	n	L	К	A	S S N	G G	202-2	0	T N	T E T	E G L ?	L R 1	1 P 0 ?	0 - 4	4 ?		CP	U-EI	Jlev 33 or Jlev Bori	hig els.													
Data Red ve F17	ce-	L	A T	A	S	G	N	A C		Т	Ε		1	0	4				B or h														
lave & R eat F18		L	K A V		S &			P	Ε	T	E	L	1 ?	0	4		All	CPU	Jlev	els.													
OND Pos ion F20	şi.	Sentend	K N C	un (brimana	S	G	N S	1	Т	T	E	L	1	0	4		All	CPU	Jlev	els.													
				01	r to	m	ake	ve	ıcə	ınt	C	LE	ΑI	3				L	K	-	A	5		N	T		T	E	L	1	0	4	
																		100		V	A	C	A	N	1.1	1	1			1:	1	1	1 :

CO line 01~40

Save & Repeat 01~80

\*Extension 100~899

1000~8999

\*NOTE: Usable extension numbers depend on feature access

Line Pool Group 1 ~ 8

codes used in the system.

(See Note 3)

- 8. Depress ENTER key.
- 9. Repeat steps 5 to 7 for all other assigned positions.
- 10. If more stations need programming, depress F/W or B/W until desired station number is displayed, then go to step 5.
- 11. When all stations are programmed, depress the SPKR key to go back on line.

SPKR - ON/OF	UNCTION (OF	LINE)	
	station to be assig	ned THE STATE OF	HEMORY BLOCK IR . BINGING ASSIC
	ncrement statio		The state of the s
	nt line assignmen		
	for each line assi		
B/W (Backward	) - Decrement sta	ion number.	.softine
GUIDE TO	FEATURE PRO	GRAMMING	
MEMORY SLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
	IJA	1B, 1D2, 2E1	L1 L2 L3 L4 L5 L6 L7 L8
1A		2C10, 1E2	
		389, 3810	
See Step 6 for C	PU levels.	RIING	L9 L10 L11 L12 L13 L14 L15 L16
station, line the program	buttons L1 ~ L5 sl n ing station.	nould be selected on	MIC FEL # CLEAR F1 1 1 1 F11 F11 T1 T
	4, if a non-assign	ned line position is VACANT.	SPKR F/W ENTER F3
<ol> <li>Line keys n change can b</li> </ol>	nust be idle befo e made.	rejan assignment	1 ABC 2 DEF 3 F5 NO C
<ol> <li>Line key 6 extension nu Multiline Te</li> </ol>	imber (for ETE-6	tation's primary at () and ETE-6D-()	GHI 4 INC 5 A MNO 6 F16
extension nu		station's primary 16-(), ETE-16D-()	PRS 7 TUV 8 WXY 9 F8 F16
6. Depression	of the ENTER	key causes the ine key position to	P1951  B/W  F10  F20
STATE OF THE PARTY			

#### GENERAL INFORMATION - LINE KEY ASSIGNMENT

This area of memory is used to assign line key appearances of the Multiline Terminals in the system. Each line key appearance on each Multiline Terminal can be designated as one of the following (Other than PE):

CO line (only one appearance of a particular number per terminal) a sent eleminated entitle Malla and W.

Pooled Line (only one appearance of a particular number per terminal)

Extension (only one appearance of a particular number per terminal)

Data Transmit (only one appearance per terminal)

Data Receive (only one appearance per terminal)

Save and Repeat (No limitation, 80 S&R maximum per system)

DND Position (only one per terminal)

VACANT

<u>OPERATION</u>	AND	-		190	EGU!			SP				light. Faen				
CMV					nan	-		eni			16	nter	3 - 1 - 1 -			
. Go off line.		O	-	F	G	L R	1 A	-	E	M	(	X	E	X	X	
and distributed from the contraction of the state of the	HI	CANE I	ANT	10 DE	PERMIT	A10.	53M	(Alusa	eyn.	(1870) (1870)	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	137713	e nie	MARKE	400	in .
. Depress F1.83 23 23 23 23 23 11	F	1	7	M	-	-	Α	L						_		T
			0.0	38.	68						L			15	_	1
(a) [(10] [(11] [(12] [(13] [(14] [(15] [(19]										 	rest.		1.7	gist	2.6	400
Depress F7.	R	1	N	G	7	-		-	D	Α	Y		M	0	D	H
												190				L
Dial station number being assigned.	R	1	N	1	d bi	10 0	2,6.		D	ne:	V	ant.	М	_	D	Ti
Example: Station 104.	T	E	L	1	0	4				-			IVI	U	U	
THE CHINAL WAS LEDGE			1000	orași d	100	-	100	<del>an la</del>	-		-	A COLUMN	-	Lois I	linina.	-
Each line position L1 to L15 should be selected to a step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels	or high	er	des	ired	rin	gin	g fe	li e	e fo	or ti	he s	tati	on (	cho	sen	ir
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels	or high	er	des	ired	rin	gin	g fe	atur	e fo	or tl	he s	tati	on c	cho:	sen	ir
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).	or high	ier	des	ired	rin	gin	g fe	atur	e fo	or tl	he s	tation of the second	on c	cho:	sen	
Each line position L1 to L15 should be selected to a step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).	or high	er	des	G 1	rin	gin	g fe:	atur	e fo	or the	he s	tation of the second	M	o o	sen D	
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of the control of t	or high	l E	des N L	G 1	rin	gin	g fe	atur	D	A M	he s	tatio	on consideration of the second	one one one one one one one one one one	b. D	ir
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of the control of t	R T	l E rog	des N L	G 1	rin	gin ()- 5)	g fe	atur	D	or the	de la y	tatio	on consideration of the second	ehos ans sen sen sen sen sen sen sen sen sen s	sen to	
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of the compact of t	R T	l E rog	des N L	G 1	rin	gin ()-	g fe	atur	e fo	or the	de la y	tation and a second a second and a second and a second and a second and a second an	on de la	chosens and company of the company o	sen id see by	E
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).	R T s are p	l E rog	des N L	G G	rin	gin ()-	g fe	atur	e fo	or the	de la y	tation and a second a second and a second and a second and a second and a second an	on consideration of the constant of the consta	chosens and company of the company o	sen to	E
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).  Repeat step 5 until all desired Multiline Terminal  Depressing F20 toggles the programming between day and night mode.	R T	I E CI	des N L N L	G G ?	rin	5   5   7   7   7   7   7   7   7   7	g fe	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	D G	M (H	Y T	tation and a second a second and a second and a second and a second and a second an	M M	ehosana an mana an man m	sen to be	
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of the LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).  Repeat step 5 until all desired Multiline Terminal  Depressing F20 toggles the programming between day and night mode.  If more stations need programming, depress F/W of the Ring - All CPU levels	R T R T	I E CI key	des N L N L	G G G ?	o l	5	g fe	atur	D G	M (M)	Y T	tation and a second a second and a second and a second and a second and a second an	on on one of the other of the o	o o o	D D	E
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).  Repeat step 5 until all desired Multiline Terminal  Depressing F20 toggles the programming between day and night mode.  If more stations need programming, depress F/W of then go to step 5. In all more stations need programming, depress F/W of then go to step 5. In all more stations are abstracted.	R T R T M P R R T R R T R R T R R R T R R R R T R	I E OI key	n N L N L N L N L N L N L N L N L N L N	G G ?	rin	5 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	g fe	AAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	e fo	A M (day)	y Y	tation and a second a second and a second and a second and a second and a second an	on consideration of the constant of the consta	one	D D A D D A D D D D D D D D D D D D D D	E
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).  Repeat step 5 until all desired Multiline Terminal between day and night mode.  If more stations need programming, depress F/W of then go to step 5. In all and the state of the state	R T T S are p	I E CI key	N L N L Y S UI Y	G 1 MS	rin  olimatic  rin  olimatic  residesi	5   7   7   7   7   7   7   7   7   7	g fe	atur	e fo	A A A A A A A A A A A A A A A A A A A	Y er i	tation of the state of the stat	on on M	operate of the control of the contro	Sen IJ	E
Each line position L1 to L15 should be selected to step 3. (See Note 2).  LED ON (green) = Ring - All CPU levels  LED ON (red) = Delayed Ring - CPU-EB3 of LED OFF = No Ring - All CPU levels  Depress ENTER key. (See Note 1).  Repeat step 5 until all desired Multiline Terminal between day and night mode.  If more stations need programming, depress F/W of then go to step 5. In all modes and all Multiline Terminals have been program.  When all Multiline Terminals have been program.	R T T Sare por B/W med for men to be denoted by the same of the sa	I E Ol key	N L N L YS UI	G 1 MS	rin  olimatic  olimatic  residesi	gin ()- 5 imax en) 7 IM	g fe	atur  If e	e fo	A A A A A A A A A A A A A A A A A A A	Y er i	tation of the state of the stat	on on one of the one o	or choice and control of the control	Sen J. D.	E

SPKR - ON/O		ELINE)	
DATE TOTAL	FF Line	Silving ( man in a communication	내 화가 되었다면 한 사람이 되는 것이 없는데 그 때문에 있었다.
TEL # - Selec	station to be assign	gned.	The state of the s
F/W (Forward)	- Increment statio	on number.	
CLEAR -	至 新建筑银矿		
ENTER - Entr	y to each station a	ssigned.	
B/W (Backward	i) - Decrement sta	tion number.	
GUIDETO	FEATURE PRO	CPAMAINC	Od 967 (tare, York 17,
MEMORY BLOCK BEING	MEMORY BLOCK THAT	Company of the second s	4 - 01 05 4 0 04 5 1 0 000 1 0 0 0 0 0
PROGRAMMED	MUST BE PROGRAMMED	Annual Control of the	
			L1 L2 L3 L4 L5 L6 L7 L8
1 I o L 1 5	_1A	1D3	L1 L2 L3 L4 L5 L6 L7 L8
1B		I I I MI H I S I I I	s Trepress r.s. dien. i s
market in the second			
Sea Ston 5 for	10111		L9 L10 L11 L12 L13 [114] [115] [116]
See Step 5 for (	and the state of t		L9 L10 L11 L12 L13 L14 L15 L16
FPMEFFE A	TITIAL C	1 5 5 0	Depress Pli
1. Depressin	the ENTER	key causes the	
assignmen	to advance to	the next station	F1 (1)
		the next station	
number.			MIC TEL# CLEAR   F11
number.	TITALO	er egirir ir ring garana elgistis ir gasasısı is sayılıyıngı	
Number.	amming appearar	T 2 2 0	To refer device the second sec
2. When progration, L1	amming appearar	T 2 2 0	Served device for of Page 2 and 1 an
number.	amming appearar	1 2 2 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2. When progrestation, L1	amming appearar	T 2 2 0	SPKR FAW ENTER F3 F12
2. When progrestation, L1-station.	amming appearar	T 2 2 0	F2   SPKR   F7W   ENTER   F3   F12   F13   F14
2. When progrestation, L1-station.	amming appearan	nces for a 6 button the programming	SPKR FAV ENTER F3 F13 F13 F14 F14 F14
2. When progr station, L1	amming appearar	T 2 2 0	F2   DV9b 30   F12   F13   F13   F14   F15   F
2. When progrestation, L1-station.	amming appearan	nces for a 6 button the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF T03 T0 F5 T0 F15  GHI JKL MNO F6 & algorithm
2. When progrestation, L1 station.	amming appearan	nces for a 6 button the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF T03  ABC DEF T03  ABC DEF T03  F14  F15  GHI 4 JKL MNO F6  F16  F16
Number  2. When progratation, L1-station.	amming appearan	nces for a 6 button the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF TO B ABC FV5  GHI 4 JKL MNO F6  F7 B
Number    M   D   Z   A     Station, L1   station.	amming appearan	nces for a 6 button the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF  OI 2 153  GHI 4 JKL MNO F6  F7 B
2. When progrestation, L1-station.	amming appearan	nces for a 6 button the programming	F2   SPKR   F/W   ENTER   F3   F12   F13   F14   F14   F14   F15   F16   F16   F16   F16   F17
Number  2. When progratation, L1-station.	amming appearan	nces for a 6 button the programming	F12  SPKR FAW ENTER F3  F13  F14  1 ABC DEF  O1 2 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3
2. When progrestation, L1-station.	amming appearant L5 are selected or	nces for a 6 button in the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF ST F15  GHI 4 JKL S MNO F6  F16  F7  B  F17  F18  F18  F19
2. When progrestation, L1-station.	L5 are selected or	nces for a 6 button the programming	F12  SPKR F/W ENTER F3  F13  F14  1 ABC DEF F16  F16  F17  PRS 7 TUV 8 WXY 9 F8  F18  F18

### GENERAL INFORMATION - RINGING ASSIGNMENT

This area of memory is used to assign both day and night mode ringing features for the line appearance of each Multiline Terminal, other than the primary extension. The programming allows the flexibility of a per line per station immediate or delayed ringing option for day and night conditions.

DISPLAY  Bending notice as on vind starting  1. Go off line. (See Note 1).  OF F - L I N E ( X I X X )  P R O G R A M M O D E  STANDARDOR  DISPLAY  TEMBER notices as no vind starting	MEMORY BLOCK 1C1 - DSS/BLF TO AT	
1. Go off line. (See Note 1).  O, F, F, C, L, I, N, E, G, X, II, X, X, Y, P, R, O, G, R, A, M, M, O, D, E, R, D, S,	OPERATION	ESTER But vio each station assigned
2. Depress F1, then F8.  TERMINAL DSS/BLF to be assigned (1 ~ 6). Example: 1. (See Notes 2 & 4).  Senter the attendant number (1 ~ 4) to be associated with the DSS/BLF.  Example: 3.  DSS TO ATT ASGN	1. Go off line. (See Note 1).	O F F - L I N E ( X X X )
3: Depress F11.  D S S T O A T T A S G N	Companied - Transmission - Assessment - Survey and -	Gameras John & of Evant disented the State Gameras Constants of Car
4. Enter device number of DSS/BLF to be assigned (1 ~ 6). Example: 1. (See Notes 2 & 4).  5. Enter the attendant number (1 ~ 4) to be associated with the DSS/BLF.  Example: 3.  6. Depress ENTER key.  D S S T O A T T A S G N  D S S T O A T T A S G N  D S S T O A T T A S G N	3: Depress F11.	DSSTOATTASGN. DSS?
5. Enter the attendant number (1 ~ 4) to be associated with the DSS/BLF.  Example: 3.  D S S T O A T T A S G N  D S S T O A T T A S G N	4. Enter device number of DSS/BLF to be assigned (1 ~ 6). Example: 1. (See Notes 2 & 4).	DSSI
Example: 3. 6. Depress ENTER key. DSSTOATTASGN	5. Enter the attendant number (1 ~ 4) to be	
	Example: 3. ea court 1303 out	DSS1 - ATT3
S P S S V A C A N I	6. Depress ENTER key.	D S S T O A T T A S G N . D S S Z - V A C A N T

- 7. Repeat steps 5 and 6 for additional DSS/BLF console assignments. (See Note 4).
- 8. When all DSS/BLF to attendant assignments are completed, depress the SPKR key to go back on line.

#### SENERAL INFORMATION - RINGING ASSIGNMENT

This area of me nory is used to assign both day and night mode ringing features for the line appearance of each Multilline Lormical, other than the primary extension. The programming allows the flexibility of a per machine in mediate or delayed ringing option for day and night conditions.

South or a Security

SPKR - ON/OF TEL# - Selects F/W (Forward) - CLEAR - Clear ENTER - Enter	DINCTION (OFF E Line DSS/BLF to be as Increment device previous assign for each attendar Decrement dev	ssigned e number ment at assigned	TEMORY BLOCK 162 - BLE TERMINAL  ALC  ALC  Cooffine.
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	GRAMMING  MEMORY BLOCK THAT MAY  HAVE TO BE PROGRAMMED  3A2, 3A4	L1 L2 L3 L4 L5 L6 L7 L8
4th attenda assigned as  2. Display will 4) dependin made previo  3. A maximum one attendar  4. Use the B/V	JBLF can be asset station, the station, the station attendant.  Show VACANT Ton whether as usly.  of two DSS/BLFs  two days and F/W keys vice, when requires	) ne assigned.	MIC   TEL #   CLEAR   F1   1   F11   F11   F12   F12   F13   F14   F14

#### GENERAL INFORMATION - DSS/BLF TO ATTENDANT ASSIGNMENT

The DSS/BLF console, of which there can be a maximum of 6, are assigned to attendant positions in this memory block. This programming area is closely related to memory block 3A2 (Attendant 3rd. & 4th. Assignment) where stations are assigned as attendant positions. Memory blocks 3A2 and 3A4, when needed, must be programmed prior to programming this memory block.

OPERATION <	AND			7	odin V	) )	DI	SP	LA	Y						
Go off line.		O	F	F	- G	L R	I A	N	E	M	(	X	EC	X	X	
Depress F1, then F8.	ΓŦ		R		101	YAR		ands		D		S	W18 N	B		
atin'ny mpambana dikambana amin'ny mandritry ny taona mandritry ny taona amin'ny taona amin'ny taona amin'ny t Ny INSEE dia mampiasa ny taona mandritry ny taona mandritry ny taona amin'ny taona mandritry ny taona amin'ny Ny INSEE dia mandritry ny taona amin'ny taona mandritry ny taona amin'ny taona					Ė			-						2		Ľ
Depress F12.		В	L	F		Т	Ε	L		Α	S	S	1	G	N	Ţ
	0		ic si					991	? .no.	?	?	<del>ad</del> abr	18 48 18 J3	aria	- 	Ļ
Enter extension number to be assigned. Example: 104. (See Notes 1, 2, and 3).		B	-	F	TT.	T	E	L	4	A	S	S	1	G	N	I
827 W-9 R27	1 1 1 1 1 1	-	109	ALD.	gia	28 (		2013	8/11/	V 0	0 7	giv:		gii pira	(2) (2)	1
Depress ENTER key.	0	-	4	F -	ed i	T	E	ELS L	2a ?	A ?	?	S	n[ 103,	G	N	-
Repeat steps 4 and 5 for each of the required stati			ssig											d se utju		1
	j. 10															
When all required stations are assigned, depress	the SP	KR	key	tog	go b	ack	on l	ine								

#### GENERAL INFORMATION - DSS/BLF TO ATTENDANT ASSIGNMENT

The DES/BLF console, of which there can be a maximum of 6, are assigned to attendant positions in this memory block. This programming area is closely related to memory block 3A2 (Attendant 3rd, & 4th. Assignment) where stations are assigned as attendant positions. Memory blocks 3A2 and 3A4, when needed, outsties restrained order to programming this memory blocks.

Wall thromounds

the first of the Augustinian administration of the second of the second of the second of the second of the second

SPKR - ON/O TEL # - Retur F/W (Forward) CLEAR - Clea ENTER - Ente	ns display to numl	per 01	TTO CONTRACT OF CO
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	GRAMMING MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED  1E2	L1 L2 L3 L4 L5 L6 L7 L8
All CPU levels NOTES:	n of 30 stations (	0 per module) can	L9 L10 L11 L12 L13 L14 L15 L16
ETE-16D- assigned.  2. Depressing	the station BLF () Multiline T the ENTER key ent to the ne	feature. Only the erminals can be causes the display xt station BLF	MIC TEL # CLEAR F11  F11  F2  SPRR F4  SPRR F4  F4  F11  F12  F12  F13
Multiline T	dule, a maximum erminals can be eyer, no more tha	of 10 ETE-16D-( ) assigned the BLF n 30 per system.	GHI 4 FIG. F16 F16 F16 F16 F17
E K E Y A C A N T	RUTA3	DSS1 F	7 8 9 58 C 19 518 F18 OPER F9 0 19 19 19 19 19 19 19 19 19 19 19 19 19

### GENERAL INFORMATION - BLF TERMINAL ASSIGNMENT

This area of the memory block allows or denys the station BLF (Busy Lamp Field) function onto specific ETE-16D-() Multiline Terminals. Stations assigned indicate the station busy status via the LEDs associated with function keys programmed for DSS.

12 Depress SPICR key to 40 hack on line.

Example: Number 3: (See Notes 3 and 4).

WEMORY DI OCY - Co. DOC		-										QVK				
MEMORY BLOCK 1C3 - DSS/BLF BUTTO (Feature and Sta	) N atio	AS n A	SI	GN	ıra	nce	9)		en. Eos					1A3		
OPERATION · -	ND			190	e Ke Li	>		SP				inte war				
1. Go off line.	F	O	F	F	G	L	I A	N M	E	M	(	X	E	X	X	)
E1 [13 [14] [15 [15] [18]					53							-			4000	Spirit Commen
2. Depress F1, then F8.	T	E	R	M	T	N	Α	ī		D	S	S	7	В	L	F
[36] [213] [214] [214] [214] [215]	L															Ì
		-												231	01	A
3. Depress F13,	D	S	S	1	C	D	S .	S	dict.	K	-	Y	ix si	23 /		1
Least   Leas	-	-	W	115	-	E	lain and	-	-	36	marine.	LU8	Las		-	
4. Enter device number (1 ~ 6) for the DSS/BLF	D	S	S	1.	Lari	D	S	S	[17]	K	Ε	Υ	iear	cel		la la
desired. Example: DSS 1. (See Note 1).	R	0	W	1	18	12	п	e d	0	E.3	٧	Α	C	Α	N	T
5. For feature assignment, go to step 8.					61			***	35), 4.,			F.				
5. Dial terminal, virtual extension, or station hunting pilot number to be assigned. Example:	D	S	S	10	183	D	S	S	814	K	Ε	Υ	aill	lul	4:	
Station 104. (VE requires CPU-EB or higher level ETU.) (Hunting pilot number requires CPU-EB3	R	0	W	1	e v	2 211	T	E	L		V	E	1	0	4	
or higher level.)																
. Go to step 10.  Depress L16 to enter feature mode. (See Note 2 and	D	S	S	1	_	F	=	٨	т	11	D	E		V	E	1
General Information).	R	-	W	6		F	Е	A	1	U	V	A	С	A	N	T
																-
Dial feature number required.  Example: Number 2. (See Notes 3 and 4).	R	S	S	6		F	E	A G	T E	U	R	-	NI.	K	E 2	Y
	14	75						9	la .		- American	<u> </u>	IN			
F TERMINAL ASSIGNIVES ASTRETES .0	D	S	S	1	W	D	S	S	JA	K	Ε	Y				
tion ELF (Busy Lamp Field) function onto specific	R.	0	VV nys	eb :	3 0	woi	E A	2010	L	oms	V	E	10 3	1810	- 5	iii era
1. Repeat steps 5 to 10 for all DSS buttons as required.			18. U Grrf	g be	1917 1	875	qui gui	S.Á.S			Hii.	His		51s		
2. Depress SPKR key to go back on line.				Vajo		100	A			8						
	po lan	FRAC	Marin.	The contract of												

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KEY	FUNCTION (OF	LINE)		255272330243
SPKR - ON/O				
	s ROW number	FILMCTION	BIE	TV.6
	- Increments key a	ssignment		
CLEAR - Clea	rs previous assign	ment		
ENTER - Enter	rs key assignment		TV.	
B/W (Backward	i) - Decrements ke	v assignment		Latin de la constant
				arril Do off
GUIDETO	FEATURE PRO	GRAMMING		
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MA	W F	
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMME	-	
	- c1C1	government artists		L1 L2 L3 L4 L5 L6 L7 L8
SI/BLF	I ICI a	M 2C10 8 3		
1C3		3A2, 3A4	1 -	
All CPU levels	(See Sten 6)			L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	. (See Step u.)	3		
	5		10	
1. Once the	device number	is entered, the	e	
program a	utomatically m	oves to row 1		
column 1 o	f the selected Da	SS/BLF which is	S	MIC TEL# CLEAR F11
shown by	the LED of L	1 ~ L5 of th	е	F2 115 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
programmi	ng station.			F12
o e				SPKR FOW ENTER F3
2. Depressing	1.16 (line key	16) toggles the	9 0	e tot as a solidati that angles as all a septiment
programmi	ng between featur	e assignment and		an property of the second
assignment	signment. X WI mode, assignmen	ten in leature	0	ABC   OEF   93/579-1   F14
right to left	starting with row	ts are made from	1	1 2 3 550 19308
115110 00 1010,	Soar ourig with ton	o button o.		yes that Fis
3. FEATURE	# FI	EATURE		GHI JKL MNO F6
2		ging sales and	อยี่ อาเม	GHI 4 13 OKL MNO MNO 1016 MI 1016 1 12160 FF16
3	M	essage Wait		F7
3 8 4 TA	X Tr	ansfer	0	PRS TUV WXY PAGE 1
e e 5 u c		tendant Override		7 8 m 9 m (c)
m- 6	Ni	ght Transfer		F18
These leatu	res are usually a	ssigned to row 6	5	F9 F9
but can be a	iss gned to other	rows after all the		i OPEN SSBOW # redmind 511 as 1
buttons in re	ow 6 are assigned.			F10
4. The following	ng is a list of coo	as which can be		B/W F20
used when a	ssigning paging:	es which can be	_	
	All internal call	1 2 1	5 0 5	5. A station or feature should not be assigned to
06	Internal zone 1		l a	more than one DSS/BLF button per console.
07 1	Internal zone 2	HALLELLAL.	11.11	The state of the s
	Internal zone 3			
	All internal zones	SIL	2 0	Example: Feature number 5, Attendant
	External zone 1	ALEV	1 5	
	External zone 2	LALAL	Malana de la compansa del la compansa de la compans	
12 1	External zone 3			
THE RESERVE THE PARTY NAMED IN	The second secon	Contract the Contract of the Party of the Contract of the	1,700 1 (80) 100	

### GENERAL INFORMATION - DSS/BLF BUTTON ASSIGNMENT

(Feature and Station Appearance) 10 Not See Not Station Appearance

This area of the memory block is used to designate appearances on the DSS/BLF. Each position on the DSS/BLF can have the appearance of either an extension or a feature. Extension number assignment appears on the DSS/BLF from the upper left to the lower right key, while feature assignment appears from the lower right to the upper left key.

#### MEMORY BLOCK 1C4 - DSS/BLF FLEXIBLE FUNCTION KEY ASSIGNMENT **OPERATION** AND Go off line. 2. Depress F1, then F8. E N S X A E Enter device number (1 ~ 6) for the DSS/BLF S S desired. Example: DSS 1. 5. Depress L1~L3 to assign each flexible Feature Access key. Example: L2. L1 Left key L2 Center key L3 Right key Dial the feature number that corresponds to the feature being assigned. Example: Feature number 2, Paging. (See Notes 1 & 3). Feature number 3, Message Wait. S S X Example: Feature number 4, Transfer. D S S Example: Feature number 5, Attendant D S 5 1 Ė A T U RE Override. R O R 1

7. Depress ENTER key. (See Note 2) RETERGOA ROSTATO DRESTUDES 1)

and no notice of the PERMENT STATE of the presence of the DE STATE from the upper feet to the lower right key, while feature assignment account from the upper feet to the lower right key, while feature assignment account to the presence of the DE STATE.

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Example: Feature number 6, Night Transfer.

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KEY UNCI	ON (OFF LINE)	
SPKR - ON/OFF Line	ON MARKET BY A GOLD	MEMORY BLOCK ICS - DSS TO CO ADD.
TEL # - Allows entry of	new device number	
F/W (Forward) - Forward	d to next function key	
CLEAR - Clear previou	us assignment	
ENTER - Enter function	n key assignment	
B/W (Backward) - Back	to previous function key	
		1. Go off line,
GUIDE TO FEATL	JRE PROGRAMMING	
	BLOCK THAT MEMORY BLOCK THAT MAY	
아니라 그 그 그 그 그리고 하는 그리아를 하셨습니다.	ROGRAMMED HAVE TO BE PROGRAMMED	
3 J 8 \ 2 P 1C1	THE STANCES OF STANCES OF STREET	L1 L2 L3 L4 L5 L6 L7 L8
	1C3	L1 L2 L3 L4 L5 L6 L7 L8
104	3A2, 3A4	
	and an experience of the contract of the contr	
u <del>ldisial lalatu</del>	GONGAN OD	3. Deprese File.
All CPU levels.	10 2 2 3	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:		
1. For paging assignm	ent, one of the following	4 Entre tory regression (1-6) of the DSSRLE b
codes is entered:	territ, one of the following	
TO TO TATO A	D 2 2 4 C 0	MIC TEL# CLEAR F11
CODE FEATUR	RE	THE STATE OF
reformed from the entire to		F12
M D 2 05 Internal	PLAN MICIAL OF	S BEAT OF CO LEGIS ON PARTY WAS NOT BELLEVILLE OF THE STATE OF THE STA
c 06 O Internal		THE PASSIGNED TO the selected DSMBLE.
07 Internal		Rad ple: CO Ami-Ca Module 2. (See Note 5)
08 Internal		ABC DEF (4) F14
dentes, employee and application of the property of	Total profession to the control of t	1 2 3 55
10 External	wone 1	Fis LAV Laktoy (See Note 2):
11 External		GHI JKL MNO F6
19 Estamol	2	4 5 6
13 External	attackubald oO bhA OO as b	7 Repeat Supple tittens for all DSS/BLFs to be assigned
15 External	all zones	PRS TUV WXY F17
2. Depressing the ENT	ED I	The state of the s
a. Depressing the ENT	ER key causes the display	7 8 9 F8 C
to increment to the ne	extrunction key.	
3. FEATURE #		* OPER # F19
그 이미는 그가 있어 없다. "라면 하고 뭐하고 있다고 있는 것도 없다.	FEATURE	F10
2	Paging	B/W F20
3	Message Wait	
4	Transfer	생물하다 그리 얼마는 이 하게 그리고 말로 먹는 때 보다 했다.
5	Attendant Override	
6	' Night Transfer	(1987년) 이 이 시간 사람들은 사람이 되었다면 하는 사람들이 되었다.

# GENERAL INFORMATION - DSS/BLF FLEXIBLE FUNCTION KEY ASSIGNMENT

This area of the memory block is used to program the three Feature Access keys on the lower row of the DSS/BLF. These Feature Access keys can only be assigned to access features, they can not be used to access stations. A feature should not be assigned to more than one key.

MEMORY BLOCK 1C5 - DSS TO CO ADD	O-ON	I M	[0]	DU	LE	A	SS	IG	NI	ΊE	NI	West.		HH		
OPERATION <	- AN			acigi aci					MIR.		Y				PA CL EN	
1. Go off line.		O	FR	F	G	L R	I A	N	E	М	(0	X	Ė	Х	X	)
2. Depress F1, then F8.	Ŧ	E	R	M	I.	N	Α	L	tada isa	D	5	S	/	В	L	F
3. Depress F15. [873] [874] [874] [874] [874] [874] [874] [874]	C	0	s	A ?	D	M	0	D	U	L	E	941	Α	S	G	N
4. Enter the device number (1~6) of the DSS/BLF to be assigned as a CO Add-On Module.  Example: DSS/BLF 4. (See Notes 1 & 4).	C D	0	S	A 4	D	M	0	D	U	L	E	0	A	S ?	G	N
And the second s								3	gy	TAI		1 2	IGC	20		
<ol> <li>Enter the CO Add-On Module device number (1~4) to be assigned to the selected DSS/BLF.</li> </ol>	C	<del>- interest</del>	S	A 4	D	M		D	U	L	E	_	A	5	G	N
Example: CO Add-On Module 2. (See Note 5).	U	3	3	4		•				STYA. Chas	St.	0	80			
6. Depress ENTER key. (See Note 2).	C	0		Α	D	M	-	D	U	L	Ε		Α	S	G	N
A Dec Contract of the Contract	D	S	S	?				ine.	C I A	F15.			11			
7. Repeat Steps 4 thru 6 for all DSS/BLFs to be assign	ed as	СО	Ad	d-0	n M	lodu	les	into: s:11,	i isi	ntei Mern	x.					
8. Depress SPKR key to go back on line.						aso Noti	ogu Kesy	185 1 da	ir.						lei.	
[ 1887 ] [ 1017 ] [ 14																\$0.00 m
					riste		E.									

# GEN RAL INFORMATION - DSS/BLF FLEXIBLE FUNCTION KEY ASSIGNMENT

This area of the memory block is used to program the three Feature Access keys on the lower row of the DSS-BLF. The c Feature Access keys can only be essigned to access features, they can not be used to access stations. A feature should not be assigned to make key.

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KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enter new DSS/BLF device number F/W -CLEAR - Clears previous assignment ENTER - Enter each assignment GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L5 L6 L7 L8 101, 107, 108 **1C5** 1C6, 1E2 L9 L12 L13 L16 CPU-EB or higher. NOTES: 1. If TEL # key is depressed (any time after step 4) the program is returned to step 3. b CLEAR SIGN ecF150 MIC 2. Depressing the ENTER key will return you to F12 Step 3. SPKR F/W F13 3. The flexible unction keys will not operate on a DSS/BLF unit assigned as a CO Add-On F14: module. FS . 5 E15. 4. DSS to Attendant Assignment (1C1) must be F6 GHI MNO vacant before assigning the EDE-30-1 as a CO 4 F16 6 Add-On module. F7. F17 The CO Add On module device number (1-4) TUV WXY FB C will automatically associate the CO Add-On F18 module to an attendant position (1~4) F9 respectively. £19

#### GENERAL INFORMATION - DSS TO CO ADD-ON MODULE ASSIGNMENT

This area of the memory block is used to assign EDE-30-1 DSS/BLF units to function as CO Add-On Modules. A maximum of four (4) DSS/BLFs can be assigned as CO Add-On Modules, this impacts the overall limit of six (6) DSS/BLF units that can be installed in a system. It is possible for a given attendant to be assigned two (2) DSS/BLF consoles and one (1) CO Add-On Module. Only an EDE-30-1 Revision B or higher can be assigned as a CO Add-On Module.

(	0	Ĭ.	M A A	-	R N M	-	Ĺ D	E 31.11	MENCE MENCE	5		E.	В	L	) F
(	0		2∄ ∂⊇ <b>A</b>	-	M	0	Ĺ D	081	-	\$	-	/	-	Eq.	F
(	0		771	-	-	-	-	U	L	- 1		.0			-
					3.4.1	U	D	?		E	o d	Α	S	G	N
(		W	A 1	S	S	(a)	G	N	13 -e	A V	D A	M C	O A	D N	3 T
1	-	VV	A 1	S	S	1	G	N		A	D O	M	0	0	3
eq.	48	em	U	on	dine		gie	À	Jane	51 1 <b>3</b> 3	ЫA				
+	-	W	A 1	S	S	1	G	N		A V	D A	M		-	3 T
	1	K O K	K O W	K A O W 1	K A S O W 1  K A S O W 1	K A S S O W 1 D K A S S O W 1	K A S S I O W 1 S S I O W 1 S S I O W 1	K A S S I G O W 1	K A S S I G N O W 1 D & Learning  Assignment (101) Instruction  K A S S I G N O W 1	K A S S I G N O W 1 S S I G N O W 1 S S I G N O W 1 S S I G N O W 1 S S I G N O W 1 S S I G N O W 1	K A S S I G N A O W 1	K A S S I G N A D  O W 1	K A S S I G N A D M O W 1 S A S S I G N A D M  O	Depressing the ENTER key will return you to Step 3.  K A S S I G N A D M O O O W 1 S S ENTER RETURN STEP 1 S S S S S S S S S S S S S S S S S S	Company of the control of the contro

#### GENERAL INFORMATION - DSSTOCO ADD-ON MODULE ASSIGNMENT

and the second of the second o

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Clears the row number F/W - Forward to next line button CLEAR - Clears previous button assignment ENTER - Enters each line button assignment B/W - Backwards to previous line button GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L7 L8 1A, 1C1, 1C7 CPU-EB or higher. L9 L11 L12 L13 L14 L15 L16 NOTES: If TEL # key is depressed once (any time after imber (1 - 1) of the CC step 4); the display's second line will change to TEL# MIC CLEAR THE B show: F11-F12 ROW? F3 ENTER F13 F4 This allows selection of individual rows. F14 FS: 2. If TEL # key is depressed twice (any time F15 after step 4) the program is returned to step 3. FB MNO 6 6 F16 3. If a CO trunk is already assigned, depressing F7 the CLEAR and ENTER keys assigns this line F17 WXY key as VACANT. C F8 F18 4. A CO trunk which already appears on a line key on the associated attendants' ETE-16D-() F19 terminal, cannot also be programmed on the F10 CO line key console. B/W F20

# GENERAL INFORMATION - CO ADD-ON MODULE LINE KEY ASSIGNMENT

This area of the memory block is used to assign CO trunk appearances to the line buttons of DSS/BLF units assigned as CO \dd-On Modules.

MEMORY BLOCK 1C7 - CO ADD-ON M	DDUL	E	D.A	lΥ								ΝΊ				
<u>OPERATION</u> <	AND		1901	0.5	0.000	->	- I	DIS	PL	AY	5.9					
1. Go off line.		O P	F R	F	G	L R	I A	N	E TA	М	( O	X	Ė	X		)
2. Depress F1, then F8	T	E	R	M	1910 1910 3.4	N	Α	Ĺ	ADMI	D	5	S	1	В	L	F
3. Depress F17. at 3 [81.3 [8.3 [81.	A	D O	M	0 A	D D	M	D	A	Y ?	ion.	R	10	N	G		
4. Enter the device number (1~4) of the CO Add-On Module to be programmed. Example: CO Add-On Module 2. (See Note 1).	D R	A O	Y	1	R	ĵ.	N	G	der	ul y	A	D	M	0	D	2
5. Depress line keys L1~L5 to assign the desired ringing pattern as shown below:	D R	A	Y	1	R	1	N	G			А	D	М	0	D	2
Green LED ON: Ring - CPU-EB or higher. Red LED ON: Delayed Ring - CPU-EB3 or higher. LED OFF: No Ring - CPU-EB or higher.	ene E	is qe				a b				elec ly is			e EBT		2.	
6. Depress ENTER key. (See Note 2).	D R	A 0	Y	2	R	Ī	N	G	M3	E V E V	A	D	M	0	D	2

7. Repeat Steps 5 and 6 for all line keys to be programmed on the selected device. betatoossa and no vail

8. Depress SPKR key to go back on line.

# GENERAL INFORMATION - CO ADD-ON MODULE LINE KEY ASSIGNMENT

Unis a count the mammy block is used to assign CO truck appearances to the line buttons of DSS/BLF units

epige and the control of the control

SPKR: ON/OFF Line TEL# - Clear ow number F/W (Forward) Increments row number CLEAR. ENTER: Enter each assignment B/W (Backward: ) Decrements row humber GUIDETO FEATURE PROGRAMMING MMOOV BLOCK BEND MEMOOV BLOCK THAT MAY PROGRAMMED HUST BE PROGRAMMED MANY TORS MOGRAMMED  1C5, 1C6 1C8, 1E2  LI L	KEY	FUNCTION (OF	FLINE)	
FW (Forward) Increments row number CLEAR. ENTER. Enter each assignment BW (Backward) - Decrements row number  GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK BRING MEMORY BLOCK THAT MAY MEMORY BLOCK THAT	SPKR - ON/O	FF Line	H LHOIM BTE	MINING TO THE TO SEE A STEEL OF THE SECTION MAIN
ENTER - Enter each assignment B/W (Backward - Decrements row number)  GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK BRING  MEMORY BLOCK THAT  MUST BE PROGRAMMED  AND TO BE PROGRAMED  AND TO BE PROGRAMED  AND TO BE PROGRAMMED  AND TO BE PROGRAMED  AND TO BE PROGRAMED	TEL# - Clear	row number		
ENTER - Enter each assignment B/W (Backward - Decrements row number)  GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK SEING MEMORY B	GY FAR		number	
GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED  1C5, 1C6  1C8, 1E2  L1 L2 L3 L4 L5 L6 L7 L8  CPU-EB or higher. (See Step 5.)  NOTES:  L. After a device number has been entered, line keys L1-L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  Selected device.  Selected device.  MIC TELP CLEAR SELECTION			entransia destribita estrente	
GUIDETO FEATURE PROGRAMMING  MEMORY BLOCK BEING  MEMORY BLOCK THAT MEMORY BLOCK THAT MAY  PROGRAMMED  1C5, 1C6 1C8, 1E2  L1 L2 L3 L4 L5 L6 L7 L8  CPU-BB or higher. (See Step 5.)/ A A COMMON SECONDARY  CPU-BB or higher. (See Step 5.)/ A COMMON SECONDARY  CPU-BB or higher. (See Step 5.)/ A COMMON SECONDARY  CPU-BB or higher. (See Step 5.)/ A COMMON SECONDARY  CPU-BB or higher. (See Step 5.)/ A COMMON SECONDARY  CPU-BB or higher. (See Step 5.)/ A COMMON SECONDARY  L1 L2 L3 L4 L5 L6 L7 L8  L9 L10 L11 L12 L13 L14 L15 L16  NOTES:  L. After a device number has been entered, line  keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  3. SPEC STOWN ENTER S3  GH A DA A	ENTER-Ente	r each assignment		
MEMORY BLOCK THAT MAY PROGRAMMED HAVE TO BE	D/W (Backward	- Decrements ro	w number 3 0	9818 39 eU - 3
PROGRAMMED  MUST BE PROGRAMMED  1C7  1C5.1C6  1C8, 1E2  L1 L2 L3 L4 L5 L6 L7 L8  CPU-EB or higher. (See Step 5.)  NOTES:  L9 L10 L11 L12 L13 L14 L15 L16  NOTES:  L9 L10 L11 L12 L13 L14 L15 L16  NOTES:  L9 L10 L11 L12 L13 L14 L15 L16  NIC 7EL# CLEAR  FIN OFFI  FIN OPER  FIN OP			The second secon	
1C7  CPU-EB or higher. (See Step 5.)  I. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  Fig. (See Step 5.)  L9 L10 L11 L12 L13 L14 L15 L16  L9 L10 L11 L12 L13 L14 L15 L16  MIC TEL P CLEAR (1964)  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  FIG. (See Step 5.)  After a	PROGRAMMED		Probability and the report of the probability of th	& Degrees Fit then Fo.
CPU-EB or higher. (See Step 5.)  L9 L10 L11 L12 L13 L14 L15 L16  NOTES:  1. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  5PKR FM ENTER F3  1. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  63 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  64 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  65 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  66 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  67 F18  68 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  69 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  69 F18  60 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  69 F18  60 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  61 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  63 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  64 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  65 Depressing the ENTER key will cause the display to increment to the next row of the selected row.	107	1C5, 1C6	1C8, 1E2	L1 L2 L3 L4 L5 L6 L7 L8
CPU-EB or higher. (See Step 5.)  L9 L10 L11 L12 L13 L14 L15 L16  NOTES:  1. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  5PKR FM ENTER F3  1. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  63 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  64 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  65 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  66 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  67 F18  68 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  69 Depressing the ENTER key will cause the display to increment to the next row of the selected device.  69 F18  60 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  69 F18  60 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  61 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  62 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  63 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  64 Depressing the ENTER key will cause the display to increment to the next row of the selected row.  65 Depressing the ENTER key will cause the display to increment to the next row of the selected row.	107			
NOTES:  1. After a device number has been entered, line keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.  5PKR FW ENTER F3  6H 4 JKL 5 GH 4 JKL 5 GH 6 F16  F16  F17  F18  F18  F19  F19  F19  F19  F19  F19		TIMESTER	DOMOA	2. Deposits 17.6
keys L1~L5 will display the previous ring assignment of the selected row.  2. Depressing the ENTER key will cause the display to increment to the next row of the selected device.    MIC   TEL #   CLEAR   F11   F12	CPU-EB or his NOTES:	gher. (See Step 5.	M G A O D	L9 L10 L11 L12 L13 L14 L15 L16
TO ABC 9 DEF DATA OF 14  1 CA ABC 9 DEF DATA OF 14  2 3 SON G A 3 F15  F16  F16  F17  F17  F18  F18  F18  F18  F18  F18	assignment  2. Depressing display to i	of the selected row the ENTER key	ne previous ring v.	MIC TEL# CLEAR (1 store s 2 of 1 of 5 of 1 of 1
E O O M O A D M R T H D I M  S TOV B TOV B THE SET OF T				1 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Solved belower and in bertysees and observed below of the cold both of the cold below of the cold belo				4 5 6 F16
Tage of the second of the seco	EGOMG	RNGA	and the fact of the state of th	
Fig.   Skrope and 6 for all line keys to be asserted on the securited device			ROWE	PRS TUV WXY 7
* OPER # # # F19 F19		an ayaya iy malaya, a dirira. Ayaana ir agalayya iy araa ahaa ahaa ahaa ahaa ahaa ahaa aha		The second secon
F10°				OPER F9
				TEST TOTAL OF THE STATE OF THE

# GENERAL INFORMATION - CO ADD-ON MODULE DAY RING ASSIGNMENT

This area of the memory block is used to assign Day Mode Ringing to CO trunk appearances on the CO

OPERATION <	- AN	Increments row number  DISPLAY  DISPLAY  A serior management													TE E/4 CU EN	
1. Go off line.	E	O	F	F	G	L R		N M	-	M	(	X	8	X	X	)
2. Depress F1, then F8.  [81] [7] [81] [2] [41] [21] [7]	T	E	R	M	10 to	N	Α	100 A	3 YMC	D	5	S	1 1 1 1	В	L	F
3. Depress F18.  [ari] [ari] [ari] [ari] [ari] [ari] [ari] [ari] [ari]	A	0	M	O	D	M	N O	L	G ?	Н	7	id 1	R		N PS	
<ol> <li>Enter the device number (1~4) of the CO Add-On Module to be programmed. Example: CO Add-On Module 3. (See Note 1)</li> </ol>	N R	0	G W	H.	T.	bee his	Y.	N	lb	Pi w	Α		M	V,93	D	3
5. Depress line keys L1~L5 to assign the desired ringing pattern:  Green LED ON: Ring - CPU-EB or higher. Red LED ON: Delayed Ring- CPU-EB3 or higher. LED OFF: No Ring - CPU-EB or higher.	N R	0	G W	H 1	IT:	) K	R	-	G	ne.	Α	D	M	0	D	3
6. Depress ENTER key. (See Note 2).	N R	0	G	H 2	Т		R	N	G		Α	D	M	0	D	3
7. Repeat Steps 5 and 6 for all line keys to be assigned 3. Depress SPKR key to go back on line.	on th	e se	elec	ted	dev	ice.										

# GENERAL INFORMATION - CO ADD-ON MODULE DAY RING ASSIGNMENT

This area of the nemary block is used to assign Day Mode Ringing to CO trunk appearances on the CO Add-On Modules.

SPKR - ON	OF Line	FLINE)	EMORY BLOCK 1D1 - PRIME/RINGING
TEL# - Cle	ars row number		
F/W (Forwar	d) - Increments row	number	
CLEAR -	PERLAY		O/A
ENTER - Er	ter each assignmen	t.	
B/W (Backwa	ard) - Decrements ro	ow number 1 0	Logilling.
GUIDE	TO FEATURE PRO	OGRAMMING	
MEMORY BLOCK BEIN			
ROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	Debreva Pl then PO
	1C5, 1C6	1C7, 1E2	L1 L2 L3 L4 L5 L6 L7 L8
1C8			
141414		dell mie	Denreus Fil
	higher. (See Step		L9 L10 L11 L12 L13 L14 L15 L16
VOTES:	agrici. (See Step :		
	prime. Melani spaniani - incapyani inga		
After a d	evice number has	been entered, line	Dial stellion (p) ben to be darigned
keys L1	-L5 will display t	the previous ring	T MIC TEL # CLEAR 98) AGI A SE
assignme	nt of the selected ro	W	F2
. Depressi	og the ENTER I		
dieplay	ng the ENTER ke	y will cause the	SPKR STAND ENTER SIDE F3 126 54 STAND
selected o	ircrement to the	next row of the	T See New Joint Cand (See New Joint Cand )
00100000		and a second	degree the line (61-14) to be assigned. (See
			ABC DEF F14
	9	R M . I R N	1 2 3 55
I S M	RINGI	to takefiliated and historian transfer or an applicate young and making	100 100 100 100 100 100 100 100 100 100
		anda Indagan kaj la dala india fastifia	GHI 4 JKL 5 MNO F6
Talala	18 151	a Fee IV F Law Cee	[7]
3 3 8		R M . / R N	- A - Barrier Company of the contract of the c
RINIGI	PRM	ELUITOIA	8 9 F8 (C)
	engrado de la companya de la company		8 F18
REF	4 6 1 1 9	18 1. M.S	* OPER   # F19
NKIZE		EL 104	(CPU-182 or in 1971)
REF	16 . [.] . P	R M . I R N	For no assegnment Dial O.
I IT 3	NOTS	A O I J a	
9 3 8	9 . J . D	A S A . M A	Depress ENTER key. (See Note 4).
	XXXXX	20113	
	harter of the hall harder to have the factor of the second	rama di rentation dia antara di pagala aj ali pagata and a pagala di	ological control of the control of t

# GENERAL INFORMATION - CO ADD-ON MODULE NIGHT RING ASSIGNMENT

This area of the memory block is used to assign Night Ringing to CO trunk appearances on the CO Add-On Modules.

	OPERATION A	ND	VD														
	Go off line.		0	F	F	di	L	Jo:	N	E	2.6.1 3CFQ	(	X	gg jw.j	Х	Х	
		L	P	R	0	G	R	A	М		M	0	D	E	ш	a.	
	i agranda, e a applia per esta acompara espera e se a supera e a conservação do respera e en esta e e e e e en Compara e en entre e e e e e e e e e e e e e e e e e e		YES	Ties	136	al yel	owida		41.0	Carl.	álá v		100	Parts 1	11.00CH	120	ie.
	Bal Tul au Zu Eu Eu Eu Eu Eu	T	E	R	M		N	Α	0.0		F-	E	A	Т	U	R	1
	anganangan analika samura na yan na hala baka pani manun menyi magali magaliman angaha ya minangan mendangan katika baka samura ba						the section				and the pair of				30	The state of the s	1
	Depress F11.	P	R	M	-	1	R	N	G		L		P	R	Ε	F	I
	epress F1, then F9.  epress F11.  ial station number to be assigned, xample: Station 104. (See Note 1).  ial a one digit code to select the appropriate nction (See Note 2). Prime line: dial 1 and impress the line key (LK1~16) to be assigned. (See Note 3).  inging line: Dial 2.  inging line: Dial 2.  inging line: Dial 4.  inter desired Trunk Number (See Notes 6 & 7).  ingress ENTER key. (See Note 4).	T	E	L	?	?	?	1.6	(93)	5,493	8)	75	gli	170	82	-131 177	1
	Dial station number to be assigned	Р	R	М	10,71	1	R	N	G	790	u <u>L</u> u	Q. 0	р	R	E	F	T
	al station number to be assigned.  cample: Station 104. (See Note 1).  at a one digit code to select the appropriate anction (See Note 2). Prime line: dial 1 and press the line key (LK1~16) to be assigned. (See Note 3).  anging line: Dial 2.  anging line: Dial 3. Depress desired line key see Notes 3 & 5).  ar SLT CO Prime Line: Dial 4.  ther desired Trunk Number (See Notes 6 & 7).  PU-EB2 or higher.)  r no assignment: Dial 0.	T	E	L	1	0	4	0.7	Χ	Χ	Χ	Х	Χ	Χ	Х	Х	1
	Digla one digit gode to select the appropriate	Р	R	N/E	ELLIS	0 /	p	N	G	del l	100	edi	P	D	E	E	T
	function (See Note 2). Prime line: dial 1 and		E	L	1	0	4	IN	P	R	1	M	E	N	L	100	t
	Note 3)																
			R	М		/	R	N	G		L		P	R	Ε	F	I
	그 아이는 그를 하는 그를 모르는 것 같아 하셨습니다. 그리고 있다고 그 말이 있다.	T	Ε	L	1	0	4		R	1	N	G	1	N	G		-
	Paradamental	Р	R	M		/	R	N	G		L		P	R	E	F	-
	See Notes 3 & 5).	T	Ε	L	1	0	4		Р	R	M		/	R	Ν	G	
		P	R	M		1	R	N	G			T	Р	R	E	F	T
	CPLLER2 or higher	T	E	L	1	0	4				T	R	Ü	N	K	?	1
		Р	R	M		1	R	N	G		1		P	R	Е	F	- Indiana
		T	Ε	L	1	0	4	- 1	N	0	T		5	E	T		1
	Depress ENTER key. (See Note 4).	D	R	M		1	R	N	G		1		P	P	E	F	T
		T	E	L	1	0	5	14	X	X	X	X	X	X	X	X	1
j	and the state of t	-				in the later	and related		Car Car							\$	
		P	R	M	M	1	100000	N	G	.1	ols.	31/	P	R	Ε	F	1
4000	NMENT	T	E	4	?/	?	?										1

The State of

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Selects station to be programmed F/W (Forward) - Increments station number CLEAR -ENTER - Enters assignment to each station B/W (Backward) - Decrements the station number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY ROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 12 L3 1Δ L4 L5 16 17 L8 1B. 2F1 L9 L10 L12 L11 All CPU levels. (See Step 5.) L13 L14 L15 L16 NOTES: During step 4, the display shows the current assignment of the station. CLEAR TEL # MIC Fii F2 2. DIGIT CODE FEATURE F12 Prime Line 2 F/W ENTER SPKR Ringing Line 3 F13 Prime/Ringing 4 £45 SLT CO Prime Line F14 Not Set OEF ABC FS. For ETE-6-( ) and ETE-6D-( ) Multiline F15 Terminal, IK1 ~ 6 should be used. For SLTs LK 16 GHI MNO I should be used. F16 £7. 4. Depressing the ENTER key causes the display F17 to incremen to the next station number. F8 F18 Ringing line preference takes priority over F9 D prime line when both are assigned. F19 F10 6. SLT CO Prime Line can be assigned to stations 8/W F20 supported by SLI or VMI ports only. 7. An access code must be programmed for CO

14.199. **特别的时候**的情况的特别的特别的特殊。但如此,但是这个人的一种的特别的,但是是这种的一种的一种的

## GENERAL INFORMATION - PRIME/RINGING LINE ASSIGNMENT

release if internal dial tone is required (Access

code item 93).

This area of the memory block is used to assign prime line and/or ringing line preference to all Multiline Terminals and to assign CO Prime Line or Extension Prime Line to SLTs. When prime line or prime/ringing line feature is chosen, a line key must be selected (depressed) for each station.

MEMORY BLOCK 1D2 - DATA SERVIC	E AS	SSI					PEO	ed c	st m			OAN lect				
OPERATION <	ANI	)		roidz			>	DIS					1.2	LAS LSC	M)	
1. Go off line.	E	O	F	F O	G	L	I A	N	Ē	M	(0	X	Ē	X	X	)
2. Depress F1, then F9; [43] [83] [83] [13]	F	Ε	R	M	L	N	Α	L	0813	F	Ε	Α	T	U	R	E
3. Depress F12.	D	A	T	A ?	?	S ?	Ε	R	V	1	c	E	93 1		da Oi	
Dial station number to be assigned.     Example: Station 120. (See Note 1).	D	+	T	A	gw E	T	S	R	M	(i	N	1 E	2	0 K	Е	Y
5. Depress line keys L1~L6 to select desired parame	eters.	(Se	e No	ote 2	2).		iid.	PAS omi			2	300	) TI	DIG		3
6. Depress ENTER key. (See Note 3).	D	-	T	A	E	T	E	R	M	<u>.</u>	N	1 E	2	1 K	Е	Y
7. Repeat Steps 5 and 6 for all subsequent stations, o		e i i i	of the	12		G a	37	pec	ific	sta	tio	-8		36	3	2
8. Depress SPKR key to go back on line.		eiq:					istic	1 B)	arri (an							
			V	inni					erie Ura				nni ill s			
The state of the s	1.						8 90 6 7.5	i as								

#### GENERAL INFORMATION - PRIME/RINGING LINE ASSIGNMENT

An access that must be programmed for CO

This area of the memory block is used to assign prime line audfor ringing line preference to all Multiline Terminals and to assign CO Prime Line or Extension Prime Line to SLTs. When prime line or primefringing time feature as closen, a fine key must be selected (depressed) for each station.

Holding to seem building.

KEY	UNCTION (OFF	LINE	686131333633340
SPKR - ON/OI TEL # - Select F/W (Forward) CLEAR - ENTER - Enter		ammed on number	MARORY BLOCKING TISER BROOMS  Coordinate
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED  4B4	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	L1 L2 L3 L4 L5 L6 L7 L8
L1 Automa L2 Automa L3 DTR Sig (Termin DSR Sig (Modem) L4 Incomin Data Ca CO conv L5 Depressi key after an intern	4, line keys L1~previously selected allower LED to allower LED all	ON: YES OFF: NO ON: YES OFF: NO ON: YES OFF: NO ON: VALID OFF: INVALID ON: VALID OFF: INVALID ON: ALLOW OFF: PROHIBIT ON: Rejects the internal call and activates modem pool	L9 L10 L11 L12 L13 L14 L15 L16  MIC TEL# CLEAR F1 1 F11  SPKR FNW ENTER F3 F13  F4 F14  F15 F15  GHI JKL MNO F6 F6 F15  F16 F16  PAS 7 TUV 8 WXY 9 F8 F10  BNW F10 F10 F19  F10 F10 F10 F10 F10
L6 LCD Ind	cation for *LED	ON: Provided	• When using a remote printer for internal data

Depressing the ENTER key causes the display to increment to the next station.

\* = Default

When using a remote printer for internal data communications, it is recommended that the DTR signal (for the station supporting the printer) be programmed as INVALID. Otherwise, the data path stays connected until the printer is turned off and the system sees a change in DTR status. When connected to a modem, the DTR signal is supplied by the DSR signal from the modem validity.

## GENERAL INFORMATION - DATA SERVICE ASSIGNMENT

Provided

This area of the memory block is used to assign the various operational parameters to stations equipped and programmed to support data communications.

OPERATION AND	la to		>	196	DI	SP	LA'							(Por AR		
1. Go off line.	Ē	O	F	F	G	L	I A	N	E	M	(	X	Ė	X	X	)
2. Depress F1, then F9,	Ī	E	R	M	1	N	Α	L	JS YE			A	T	U	R	Е
Depress F13. [ Era [ STI ] Tra ] OTA [ E1	U	S	E	R	?	P ?	R	0	G	R	Α	M	50	G	U M	J.
4. Dial station number to be assigned.	91	U	s	E	R	o.i.				ine Vioi		qs 81s		0	4	ı
1. Dial station number to be assigned, Example: Station 104. (See Note 1).				O V	L	1	N	E	1277	K	E	Υ	90 10	1	-	3
				1017		10 ( 13 o	2.00							A S		
Depress L1 ~ L3 to select appropriate feature capab	ility	, (s	ee l	Not	e 1)	GP.		* 1							1	
3. Depress L1 ~ L3 to select appropriate feature capab	5	U	See	Not	R L	OF OF OF OF	P	E					SK		5	3
7. Depress ENTER key. (See Note 2). Repeat steps 5 ~ 7 for all subsequent stations, or go to step 3 to	S	U E e e e e e e e e e e e e e e e e e e	S T alo	E	e 1)	10 C	PN	E I	idit las 8	T K	E	Sig	SK dod ata	0	5	3

## GENERAL INFORMATION - DATA SERVICE ASSIGNMENT

This area of the memory block is used to assign the entique operational parameters to stations equipped and programmer to support data communications.

the Control of Process Report Specific Control of the Control of t

KEY FUNCTION	(OFF LINE)	
SPKR - ON/OFF Line	and the second second	TEMORY RLOCK IDA TERMER CROWN
TEL # - Select station to be	programmed	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
F/W (Forward) - Increment	station number	
CLEAR-	VIII.	
ENTER - Enter assignment	to each station	
B/W (Backward) - Decremen	t the station number	
		. Go off line
GUIDE TO FEATURE	PROGRAMMING	
MEMORY BLOCK BEING MEMORY BLOCK	THAT MEMORY BLOCK THAT MAY	
PROGRAMMED MUST BE PROGRA	MMED HAVE TO BE PROGRAMMED	
Company of the second s	1B = 1 = 1	L1 L2 L3 L4 L5 L6 L7 L8
1D3		
103		
proprieta approlar antiquita investigativa que en esperante en esta en tente en tent		
All CPU levels.		L9 L10 L11 L12 L13 L14 L15 L16
NOTES: A MODI	TRK.G.IA	0.4Epress F 1 o
		# 근 경기를 하면 하는 것이 없는 것이 없는 것이 없었다.
1. L1~ L3 selects an opt	ional facture for the	
selected station.	notial leadure for the	
		MIC TEL# CLEAR F11
L1 Off Hook Ringing	ON: Ring A A	Dist settion of the setting of the s
	OFF: No Ring	图 Stal on 104 (Ste Note 1)
	10.14 1 07 2012	SPKR FAW ENTER F3
L2 Internal Voice/Ring	ON: Ring	(3) [13]
died, proce id to step?		F4 Senters   F4 Se
	A STORE THE WAY AND A STORE WAS A STORE A PARTY OF THE PA	A DEF A DEF
L3 Ring Tone	ON: Tone #2	single and presence where to work of the of the prison
그의 하네 집안의 얼마의 요?	OFF: Tone #1	
		GHI STATE OF MINO
2. Depressing the ENTER	key causes the display	
to increment to the next s	tation.	PRS // Tray of Loss Compact Start LIVE Serged
	2 0 1 3 3	(4) 日本の本書とは、「おからないない」のようは、「おからは、「おからない」」というできます。
the period and are the form of the control of the control of the control of the	paga dastroda laris i sidelari i di distributi di mandi d	7 68 m s 9 o g 158 o 0 0 de os os
		OPER seeling and day of 198 Fig.
		*
		B/W F20

## GENERAL INFORMATION - USER PROGRAM ASSIGNMENT

This area of the memory block is used for the attendant or programming terminal to individually change certain default optional features that are assigned individually from each Multiline Terminal. These user controlled features include off hook ringing, voice and tone signaling on intercom, and selection of ring tone.

<u>OPERATION</u>	- AA	D.			idea.	e ri:	_>			PLA		18.20		AR ER		
. Go off line.		O	F	F	- G	L	I	N	E	M	(	X	·	Х	X	I
			Sarti. WARD			MINIS Eg Alti	. (7.5) . (7.5)	anda	205	38.15	tan-		lane w	STATE OF THE PARTY.	(APV)	els els
Depress F1, then F9.	T	E	R	M	-1-	N	Α	L		F	Ε	Α	T	U	R	E
[19] [11] [11] [12] [13] [14] [15] [15]										in making		ala	ual	119	O H	i A
Depress F14.	T	R	K		G		1	Ν	C	0	M		R	Ε	S	1
FIRE TO LET THE SAME	IT	9.513	30	?	?	?	180	9125	0 - 1		5 B C	15.23	ba	lock	12	L
Dial station number to be assigned.  Example: Station 104. (See Note 1).	T	R E	K	1	G 0	4	dn OF	N	C	0	M	2(0)	R	Е	S	7
L1 to L8 represent trunk groups 1 to 8 respectively.	If no	cha	inge	go ein	sta	tus	is re	equi	red	Ale:	oce	ed t	o st	ep 7	j	
Depress L1 to L8 to allow or deny access to the trunk LED ON = Restricted, LED OFF = Unrestricted.	gro	ups	for	inco	omi	nge	alls	•							M.	
Depress ENTER key. Repeat steps 5 ~ 7 for all subsequent Multiline Terminals (See Note 2), or go to step 3 to restrict a specific terminal.	Т	R	K	1	G 0	5	1	N	C	0	M	1,014	R	E	S	Т

## GENERAL INFORMATION - USER PROGRAM ASSIGNMENT

This area of the memory block is used for the attendant or programming terminal to individually change certain default o tional features that are assigned individually from each Multiline Terminal. These user controlled features include off hook singury, voice and tene signaling on intercom, and selection of ring

The third of the same and the second of the

SPKR - ON/OFF Line TEL # - Selects station to be programmed F/W (Forward) - Increments station number CLEAR - ENTER - Enters assignment to each station B/W (Backward) - Decrements the station number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MEMORY BLOCK BEING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED AUST BE PROGRAMMED HAVE TO BE PROGRAMMED  L1 L2 L3 L4 L5 L6 L7 L8  All CPU levels.  NOTES:  D L10 L11 L12 L13 L14 L15 L16	KEY	UNCTION (OFF	LINE)	
FW (Forward) - Increments station number CLEAR - ENTER - Enter sassignment to each station BW (Backward) - Decrements the station number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY	SPKR - ON/OI	FI Line		
FW (Forward) - Increments station number CLEAR - ENTER - Enter sassignment to each station BW (Backward) - Decrements the station number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY	TEL # - Select	s station to be prog	rammed 1001110	911
CLEAR - Enter sassignment to each station B/W (Backward) - Decrements the station number GUIDE TO FATURE PROGRAMMING MEMORY BLOCK HAT MAN MEMORY BLOCK HAT MAY PROGRAMMING MUST BE PROGRAMMED HAVE TO BE PROGRAMMED  2C1 2C2  1 D4  All CPU levels.  NOTES:  1 During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  1 During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  2 Depressing the ENTER key causes the display to increment to the next station number.  2 Depressing the ENTER key causes the display to increment to the next station number.  3 SPAR FAW ENTER  605  605  605  606  607  607  607  607	F/W (Forward)	- Increments stati	on number	
B/W (Backward) Decrements the station number GUIDE TO PEATURE PROGRAMMING  MEMORY BLOCK THAT MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED  AUST BE PROGRAMMED  AND TO BE PROGRAMMED  AND TO BE PROGRAMMED  AND TO BE PROGRAMMED  LI L	CLEAR -			
B/W (Backward) Decrements the station number GUIDE TO PEATURE PROGRAMMING  MEMORY BLOCK THAT MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED  AUST BE PROGRAMMED  AND TO BE PROGRAMMED  AND TO BE PROGRAMMED  AND TO BE PROGRAMMED  LI L	ENTER - Ente	ers assignment to e	each station TA	
MEMORY BLOCK BEING MEMORY BLOCK HEAT MEMORY BLOCK THAT MEMORY BLOCK THAT MANY PROGRAMMED  MUST BE PROGRAMMED  AUST BE PROGRAMMED  AND THE PROGRAMMED  LED Uli LI				
All CPU levels.  NOTES:  During step 4, LI to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted  LED off = unrestricted  Depressing the ENTER key causes the display to increment to the next station number.  All CPU levels.  LED on = restricted  CLEAR 500 FM ENTER Was caused the display to increment to the next station number.  All CPU levels.  LED on = restricted  CLEAR 500 FM ENTER Was caused the display to increment to the next station number.  All CPU levels.  LED on = restricted  CLEAR 500 FM ENTER Was caused the display to increment to the next station number.  All CPU levels.  LED on = restricted  CLEAR 511	number GUIDE TO	EATURE PRO	GRAMMING	Confline
All CPU levels.  All CPU levels.  NOTES:  1. During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  All CPU levels.  L9 L10 L11 L12 L13 L14 L15 L16 L7 L8  F1 1	MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
All CPU levels.  NOTES: 8  During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  All SPKR FAW ENTER FINE FINE FINE FINE FINE FINE FINE FINE	PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
All CPU levels.  NOTES: R  During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC  DEFINITION OFF  ABC  DEFINI		2C1	202	L1 L2 L3 L4 L5 L6 L7 L8
All CPU levels.  NOTES: 8  During step 4, L1 to L8 correspond to trunk groups 1 to 8 respectively and will show any previous assignment.  LED on = restricted LED off = unrestricted 2. Depressing the ENTER key causes the display to increment to the next station number.  All CPU levels.  L9  L10  L11  L12  L13  L14  L15  L16  SPKR  FIN  ENTER  FIN  FIN  FIN  FIN  FIN  GHE 3 AND 1 10 AND 1	ANDALA	ALC FEE	TERMITS	Depende P1; their £8
NOTES:  1. During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC DEF STATES AND	I DA			
NOTES:  1. During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC DEF STATES AND		d realism interespective administra	hayan dan salamada karata matala in s	
1. During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.    ABC   DEF   DEF	All CPU levels			I have been been been been been been
1. During step 4, L1 to L8 correspond to trunk groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC  GHE	NOTES. 8	ODTUO	D N R T	Depress P15
groups 1 to 3 respectively and will show any previous assignment.  LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  Elizo griegine in equation and of association for the station number.  Elizo griegine in equation association for the station number.  Elizo griegine in equation for the station of the station for the station fore	140123.		ccc c lar	
previous assignment.  LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC OEF 3 F5  GHE DA STEEL SPAR F13  F13  ABC OEF 3 AND STEEL SPAR F13  F14  F15  GHE DA STEEL SPAR F15  F16  F17  F18  PRS 3 F5  F18  PRS 3 F5  F19  F10  ABC OEF 3 AND STEEL SPAR F15  F18  F18  F19  F10  F10  F11  F12  F12  F13  F14  F15  F15  F16  F17  F18  F18  F19  F19  F10  F10  F11  F11  F12  F13  F14  F15  F15  F16  F17  F18  F18  F19  F19	1. During ste	p 4, L1 to L8 cor	respond to trunk	
LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.    ABC   OEF   OE	groups 1 to	8 respectively a	nd will show any	MIC TEL# CLEAR F11
LED on = restricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.  ABC DEF 3 ADD 1 1 2 3 F5  ABC DEF 3 ADD 1 1 2 5 5 6 6 F15  ADD 1 2 3 A A D D T U O D A A A T D D D D D D D D D D D D D D D	previous as	signment.		
LED off = unrestricted  LED off = unrestricted  2. Depressing the ENTER key causes the display to increment to the next station number.    ABC   OEF		ORBITU	the teacher of major in the design of the same for the same and the sa	
2. Depressing the ENTER key causes the display to increment to the next station number.  Also galogies to square the square and as assess visible to work and the square and as assess visible to work and the square and as assess visible to work and the square and as assess visible to work and the square and as a second visible to work and the square			A G C J B T	SPKR F/W ENTER
2. Depressing the ENTER key causes the display to increment to the next station number.    1	LED off = 1	unrestricted		
to increment to the next station number.    1   2   3   F5     2   3   F5     3   5   5   5     4   5   6   6     5   6   6     5   6   7   7   7     7   7   7   7     8   8   8   8   8     8   8   8     9   9   9     1   2   3   F5     6   7   7   7     7   7   7   7     8   8   8   8     8   9   9     9   9   9     9   9     1   2   3   F5     6   7   7     7   7   7     8   8   8   8     9   9     9   9     9   9     9   9				
To increment to the next station number.    Solid   Color   Co				The last the second sec
GHE DS 1 18 T	to incremer			
4 5 6 F16  PRODE SERVICE SERVI				(a) 188 (188 (188 (188 (188 (188 (188 (188
Depress ENTER LETA Repeat steps 1 - 7 for all State of the control				
PRS 3 7 TUV 3 1 1 2 1 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2	TISTALAT	Alatrilla	I SI IVIOLE	
7 (8 8 0 8 9 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1 6 7 7		and a contract of the property	
* OPER # F10 P F18 F19			11611 1015	TO THE REPORT OF THE PROPERTY
* OPER O # F10				
* OPER O # F10				[ F9 [ D
F10				OPER AND AND HER OF THE PIE
8/W F20				# F10
				8/W F20.

#### **GENERAL INFORMATION - TRUNK GROUP INCOMING RESTRICTION**

This memory block is used to assign incoming restrictions to Multiline Terminals on a trunk group basis.

EPTEMBER, 1988					(3)	ALL.	REE		40.	II)				i		
MEMORY BLOCK 1D5 - TRUNK GROU	POI	JT	GΟ							OI	N			18.4 18.4 18.4		I
OPERATION -	– AN	ת -		298	mu	n ne				LA						
Apparation of the control of the con				1917	ioid:			diam's and	pat particular to	109(				BB		
l. Go off line.		O	2277	F	G	L	I.	N	Ε	M	(	X	E	X	X	
en anderstag in grant and a comment of the second and a s		bliv	MÁRO	3000	1 2753	10320	100	12.22	Side Side	40000	line.	-	100.0	036H	AQN (NS)	OR OR
. Depress F1, then F9.	Γī	E	R	М		N	A	1	10	F	E	A	T	U	R	1
te prime prime teneral metalen meneral metalen prime in prime in prime and return normal meneral meneral metalente prime in prime in the prime and a second meneral me			1	101	Ė	-	-	in the same		-	la .	_	100	U	n	1
वित्र हिता हिंदी हिंदी हिंदी हिंदी हिंदी	1		-									els.	val	D'9	0.6	LA
Depress F15.	Т	R	K		G		0	U	Т	G	0		R	Б	S	6
	T	E	L	?	?	?		Y								ľ
Table Case Case Case		unk any	17 (	ns D Na	giog Hiv	1 681 	cor y as	i,e vei	93 35e	rigi rigi	14 P. 17 (E)	eg:	[ 84   Bt	(#0) (#0)	3.	27
Dial station number to be assigned.	T	R	K		G		0	U	Т	G	0		R	E	S	-
Example: Station 104. (See Note 1).	I	E	L	1	0	4			i	ete	M.	11 5	110	43	3	
L1 to L8 represent trunk groups 1 to 8 respectively	If n	o ch	ang													
Depress L1 to L8 to allow or deny access to the true LED ON = Restricted, LED OFF = Unrestricted.	nk gro	ups	for	out	goir	ig ca	alls.	38 J				les:	nsa	int (		
Depress ENTER key. Repeat steps 5 ~ 7 for all	T	R	K		G		0	U	T	G	0	-	R	E	S	7
subsequent Multiline Terminals or go to step 3 to	T	E	L	1	0	5		0	-	G	0	•	N	-	2	1
restrict a specific terminal. (See Note 2).	-	4 4		-							in the second		1			-
Depress SPKR key to go back on line.																
054																

#### GENERAL INFORMATION - TRUNK GROUP INCOMING RESTRICTION

This memory block is used to assign incoming restrictions to Multitine Terminals on a trunk group basis.

SPKR - ON/OF	7.77	FE LINE)		-						
TEL # - Select		mammad	#T 20		2121 0000					
F/W (Forward)	- Increment sta	ion numbe	r*							
CLEAR -	***************************************	MOIN HIGHING								
ENTER - Ente	assignment to	each statio	on 33							
B/W (Backward	- Decrement t	ne station r	number						W-94.	
CHIDETO	FEATURE PR	OCRANA	41316						line.	Be of
MEMORY BLOCK BEING	CHARLEST CONTRACTOR OF THE PARTY OF	STREET, STREET	Secretary and the second	-						
PROGRAMMED	MEMORY BLOCK THA									
PROGRAMMED	MUST BE PROGRAMME		12. 12. 11. 11	D	L1 TI	2 1 1 2	1 [ [ ] [			7 [10
	2C1	2C2, 2	C3		LI L	.2 L3	L4	L5 I	L6 L	.7 L8
1D5										
									-	
All CDIII			-		L9 L	10 L11	L12	L13 [	.14 L	15 L16
All CPU levels.					[ F2	IO LII	1 [12]	L13		
NO FORT O	E S T R	IN L. E	00	21					a Fig.	
1. During step	4, L1 to L8	orrespond	to trun	k						71
	3 respectively							F1	(1)	
Prombo 1 m	- respectivity	CLIPLE WILL S	now ar	1V	pinementonis	printeres and a second	Language and a	-	( · · · · )	
previous ass	gnment.	and will s	no won	ıy	MIC	TEL #	CLEAR			F11
previous ass	gnment.				MIC	TEL#		F2		
previous ass	gnment.		00		MIC	TEL#	be assign	of teem	n noits	F12
previous ass	gnment.				MIC	TEL#			ation at	F12
LED on = re LED off = u	gnment.	E   R   -   E   E   -	0 0 8 A	2		ed	be assign	mber to		F12
LED on = re LED off = u 2. Depressing	estricted strestricted the ENTER key	R 3	G O B A	2		5W 95	enter )	of teem		F12
LED on = re LED off = u 2. Depressing	gnment.	R 3	G O B A	2		ed	be assign	mber to		F12
LED on = re LED off = u 2. Depressing	estricted strestricted the ENTER key	R 3	G O B A	2		FAW 35	enter )	A TEGOT	10: 3th	F12 F13 F14
LED on = re LED off = u 2. Depressing	estricted strestricted the ENTER key	R 3	G O B A	2	SPXR SPXR	FAW 18	ENTER DEF	A TEGOT	18 :old	F12 F13 F14 F15
LED on = re LED off = u 2. Depressing	stricted 3 restricted 0 the ENTER key	causes th	G O B A	) T		FAW 35	enter )	796 F6	10: 3th	F12 F13 F14 F15
Depressing to increment	estricted as restricted to the ENTER key to the next state	causes thion number	a displa	O T ay	SPXR SPXR	FAW 9	ENTER DEF	796 F6	18 :old	F12 F13 F14 F15
Depressing to increment	stricted 3 restricted 0 the ENTER key	causes thion number	G O 8 A se displa	O T ay	SPXR SPXR	FW 8	ENTER DEF	F4 F6 Very 20	18 :old	F12 F13 F14 F15
LED on = re LED off = u 2. Depressing to increment	estricted as restricted to the ENTER key to the next state	causes thion number	a displa	O T ay	SPXR SPXR GHI 4	FW 8	ENTER DEF	F4 F6 Very 20	18 :old	F12 F13 F14 F15 F17
LED on = re LED off = u 2. Depressing to increment	estricted as restricted to the ENTER key to the next state	causes thion number	a displa	y S	SPXR SPXR GHI 4	FAW SI	ENTER DEF	F4 F8 F8	- Ide 5 ENTE	F12 F13 F14 F15 F17 F18
LED on = re LED off = u 2. Depressing to increment	estricted as restricted to the ENTER key to the next state	causes thion number	a displa	y S	SPXR SPXR GHI 4	FAW SI	ENTER  DEF ENTER  MNO SJO 6	F4 F5 F6 F8	18 :old	F12  F13  F14  F15  F17  F18
LED on = re LED off = u 2. Depressing to increment	estricted as restricted to the ENTER key to the next state	causes thion number	a displa	y S	SPXR SPXR GHI 4	FABC DISC TOV 8	ENTER DEF	F4 F6 F6 F6	- Ide 5 ENTE	F12 F13 F14 F15 F17 F18
LED on = re LED off = u 2. Depressing to increment	estricted as restricted to the ENTER key to the next state	causes the	a displa	28 22	SPXR SPXR GHI 4	FABC DISC TOV 8	ENTER  DEF ENTER  MNO SJO 6	F4 F8 F8	- Ide 5 ENTE	F12  F13  F14  F15  F17  F18

9. Repeat steps 5 - 8 for all subsequent stations or go to step 3 to restrict a specific station.

## GENERAL INFORMATION - TRUNK GROUP OUTGOING RESTRICTION

This area of the memory block is used to restrict stations from making outgoing calls on a trunk group basis. The outgoing restriction applies to both direct and dial access to trunk groups.

ND-20292 CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 1D6 - CODE RESTRICTION TABLE ACCESS **OPERATION** AND1. Go off line. 0 X OGR AM MO 2. Depress F1, then F9. 19 [10 [11] [12] [13 [14 [15 [16 Depress F16. OD R S R TIT C E 4. Dial station number to be assigned. R S 0 4 Example: Station 104. (See Note 1). Depress L1 ~ L16 to assign system code tables 1 to 16. Depress ENTER key. (See Note 2) # 1 0 4 3 Depress L1 ~ L 16 to assign system code tables 17 ~ 32. 8. Depress ENTER key. (See Note 2). C 0 D Repeat steps 5 ~ 8 for all subsequent stations or go to step 3 to restrict a specific station. 10. Depress SPKR key to go back on line. GENERAL INFORMATION - TRUNK GROUP OUTGOING RESTRICTION

F10

F20

8/W

#### KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Select station to be programmed F/W (Forward) - Increment table/station number CLEAR -ENTER - Enter assignment to each station B/W (Backward) - Decrement table/station number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 1D7 3E1, 3E2, 3E3 3E5, 3E6, 3E9 3E4, 3E7, 3E8, 3E10 L9 L10 L11 L12 L13 L14 L15 L16 All CPU levels. NOTES: 1. During step 4, L1 to L16 will display which of the restriction tables, 1 to 16, have been 1 F11 assigned to the station chosen. L1 to L16 TEL # CLEAR correspond to tables 1 to 16 or 17 to 32. F2 F12 2. When display shows table 1 to 16, depressing 163 ENTER SPKR FAV the ENTER key causes the display to F13 increment to tables 17 to 32. If the ENTER F4 F14 key is depressed once again, the display now increments to the next station number as sold notes. F5.0 F15 3. In Memory Block 1D7 (Class of Service F6 MNO Assignment); line key L5 must be ON (6 E16 F7 (Operator Restriction Assigned). F17 PRS WXY 69 Fis D 69 OPER. F19

#### GENERAL INFORMATION - CODE RESTRICTION TABLE ACCESS

This area of the memory block is used to assign up to 32 system code restriction tables to each station as needed. Refer to section 360 of this manual for a discussion of the system code tables.

ND-20292 CHAPTER3 SEPTEMBER, 1988 **OPERATION** 1. Go off line MO 2. Depress F1, then F9. L9 (10 (11 (12 113 (14) 3. Depress F17. R V I 4. Enter the station number to be programmed. OF S 0 Example: Station 104. (See Note 1). RE 5 KE key is depressed once again, the display new 5. Depress appropriate line keys to allow or disallow station features as required (See Note 2). 6. Depress ENTER key. (See Note 3). OF # 1 0 5 Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station. Depress the SPKR key to go back on line.

#### GENERAL INFORMATION - CODE RESTRICTION TABLE ACCESS

This area of the memory block is used to assign up to 32 system code restriction tables to each station as needed. Noter to section 360 of this manual for a discussion of the system code tubles.

스타일 등 대학생님은 얼마는 얼마를 살아 있는데 다른

SPKR - ON/OI TEL# - Select F/W (Forward) CLEAR -	F JNCTION (OFF FF Line s station to be prop Increments states	grammed ion number	SEMORY ELOCKIDS TERMINAL TO
	l) - Decrements th		L. Cooffling
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
1D7	3 3 1 A	WIIMS3	L1 L2 L3 L4 L5 L6 L7 L8
All CPU levels NOTES:	(See Note 2).	- M 8 3 T	L9 L10 L11 L12 L13 L14 L15 L16
		atered, the line key assignment to the	MIC TEL# CLEAR F1 1
		ramming keys is w these terminal	
A S G N .	Enabled LED (	A A B T	DE D
L2= Can	np-on Originate (A np-on Receive (All Forward, All or E	ow)	GH! JKL MNO F6 F6
(All		Adjust Fillswei	4 5 6 6
	rator Restriction (		F1
	a Line Security (D	(TO) (이 ) 이 이 (	PRS 7 TUV NXY Q F8
	e Access , Origina		F18
	Priority (Deny)	982-1	OPER F9 D
L14= Tru (CP	nk to Trunk T U EB2 or higher)	ransfer (Deny)	# F10 F20
	ount Code Force	d/Verified Entry	9/1/

Depressing the ENTER key causes the display to increment to the next station number.

NOTE: Defaults are shown

parenthesis.

## GENERAL INFORMATION - CLASS OF SERVICE ASSIGNMENT

This area of the memory block is used to assign a particular class of service to each station. Each class of service allows or disallows the station user from accessing specific station features.

TEL????  add of shorting leas aborting the world live and the station number to be assigned.  Example: Station 104. (See Note 1).  TERM - ATT ASGN  TEL 104 - ATT ASGN  TEL 104 - ATT Z  TOWARD AND TO	<u>OPERATION</u>		AN	D -		ofile	ule I	laes		<u>D</u>							TH	
2. Depress F1, then F9.  TERMINAL FEATURE STATES OF STAT	. Go off line.		E	-	F	F	-	L	1	N		770	(	X		Х	X	)
TERMINAL FEATUR  TOWNS AND	en de la companya de De la companya de la De la companya de la				10000		y80)	6154	1,0,10	1300		OM97			3630			
TERM - ATT ASGN TEL 10 4 TT ASGN TEL 10 5 TT ASGN TEL 10	Depress F1, then F9.		Ī	E	R	М	1	bring's		L	2019			Α	Т			E
TERM - ATT ASGN TEL 10 4 TT ASGN TEL 10 5 TT ASGN TEL 10	ergelekt in delt atten infolgen in er eine var eine ein eine kanner in geschadelten. Deutscheine eine eine die Onder der stelligt er treiste eine der eine eine der eine der der der der deutsche der der der der der der der		L			<u></u>	L		L.,			L			1	U		
TEL????  add of shorting leas above a give a week live a Classification number to be assigned.  Example: Station 104. (See Note 1).  TERM - ATT ASGN  TEL 104 - ATT ASGN  TEL 104 - ATT Z  TOWARD AND AND AND AND AND AND AND AND AND AN	Bru [812] [812] [812] [713] [073]		-	T.e.	1-	1		T			1	12		in.	ret	12.0	D-H	and M
Enter the station number to be assigned.  Example: Station 104. (See Note 1).  Enter attendant number (1 ~ 4) to be assigned to the station chosen in step 4.  Example = Attendant 2.  Depress ENTER key. (See Note 2).  TERM - ATT ASGN TEL 104 - ATT Z  TERM - ATT T ASGN TEL 105 - ATT Z  TERM - ATT T ASGN TEL 105 - ATT X  TERM - ATT T ASGN TEL 105 - ATT X  TERM - ATT T ASGN TEL 105 - ATT X  TERM - ATT T ASGN TEL 105 - ATT X	Depress r 18.		-	-	R	-	2	2		Α	Т	T		Α	S	G	N	1/4
Example: Station 104. (See Note 1).  TEL104+ATTX  Enter attendant number (1 ~ 4) to be assigned to the station chosen in step 4.  Example = Attendant 2.  TERM - ATT ASGN  TERM - ATT X  Example = Attendant 2.	Supplied to the property of the second of the second	Sele		E9 45	63.3	3000	1200	1100	800	ivat	rd A	138	# 6 N	z it	S W	GS With	À	
Enter attendant number (1 ~ 4) to be assigned to the station chosen in step 4.  Example = Attendant 2.  Depress ENTER key. (See Note 2).  TERM - ATT AS GN TEL 1 0 5 - ATT X  Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.	. Enter the station number to be assigned.		T	E	R	M		-		Α	T	Т		Α	S	G	N	0.
Enter attendant number (1 ~ 4) to be assigned to the station chosen in step 4. Example = Attendant 2.  TERM - ATT AS GNTER key. (See Note 2).  TERM - ATT T AS GNTER key. (See Note 2).  TERM - ATT T AS GNTER key. (See Note 2).	Electronical Participation (Contraction Contraction Co	RAL.	T	E	L	10	0	4		à-ià	¥0	we	Α	T)	-	-	18 1 21 1	
Example = Attendant 2.  Depress ENTER key. (See Note 2).  TERM - ATT AS GN TEL 105 0 - ATT X  Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.	Enter attendant number (1 ~ 4) to be assign	ned to	T	Е	R	M		-		Α	Т	Т	-	Α	S	G	N	
Depress ENTER key. (See Note 2).  TERM ATTAX  TEL 1 0 5 CO - ATTX  Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.			T	E	L	1	0	4	0.13	15/1	E P	O s	Α	T	Т	2		
Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.	1 de la company	4				πA			8 10								à,	
Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.	Depress ENTER key. (See Note 2).	289	1	-	R	-		uru Vin	7 17 C	Α	Τ	Τ		Α	S	-	N	
Repeat steps 5 and 6 for all subsequent stations or go to step 3 to assign a specific station.		L	LT	E	L	-	-	-	ma	(1) d	-	26.	-	_	T	-	1	-
에 맞고 Accept 등에 가는 이번 회에 아이들이 되었다면서 있는 것이다. 그는 사람이 되었다는 사람들이 되었다는 사람들이 되었다는 사람들이 없어 되었다면서 되었다. 그런 사람이 되었다는 것이 되었다.	Repeat steps 5 and 6 for all subsequent statio	ns or go	o to s	tep	3 to				peci	fics	tat	ion.		CR 'rui				
Depress SPKR key to go back on line.	Decree CDVD I				3										Ą.;			

#### GENERAL INFORMATION - CLASS OF SERVICE ASSIGNMENT

This area of the memory block is used to assign a particular class of service to each station. Each class of service allows or disallows the station user from accessing specific station features.

Photography and the control of the c

F/W (Forward CLEAR - ENTER - En B/W (Backwar	ter assignment to e	each station e station number	Go off line.
GUIDE T MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	THE RESERVE AND ADDRESS OF THE PARTY OF THE	L1 L2 L3 L4 L5 L6 L7 L8
After stat will show station.     Depressing	ion number is ent	tered, the display nt assigned to the causes the display	MIC TEL # CLEAR F1 1 F11  SPKR FW ENTER F7 F3 GS 94 F12
ן פון ואופ	ONE P	ryfrir awyd o'r aw gangleigau y hadd agyl odd agyl odd rhygalla g	F13  F14  F14  F14  F14  F14  F14  F14
			1 4 5 6 F16

## GENERAL INFORMATION - TERMINAL TO ATTENDANT ASSIGNMENT

This area of the memory block is used to assign each station to one of the four possible associated attendants. If the system requires more than 2 attendants and/or more than one tenant, memory blocks 3A2 and/or 3A4 must be programmed BEFORE this memory block.

ND-20292 CHAPTER 3 SEPTEMBER, 1988

OPERATION ~	ANI	) <b>–</b>				doe	eith Sou			LA'			9	AR ER	3.1 TY	
Go off line.	E	O	F	F O	- G	L R	I A	N M	E	M	0	X	Ė	X	X	)
ET DE LET LATES LES LET LES			14870		01.7		day	Cys.alli	SORY				l.j.,l			189
Depress F1, then F9.	T	E	R	M	T	N	Α	L		F	Ε	A	T <sub>O</sub>	u	R	E
[19] [110] [131] [172] [13] [134] [115] [13		-			40000							als	val	US	0.1	IA.
Depress F19.	T	E	R	M ?	?	Z ?	0	N	Ε		Р	A	G	1	N	100
THE THAT CASE DOS	-	<del>UNI</del>	01	-0.00	-	0.70	n n z	aret	is /	idus	V-51	W		i ili:		
Enter the station number to be assigned.	T	E	R	M	-	Z	0	N	E		P	Α	G	1	N	G
Example: Station 104. (See Note 1).	T	E	L	1	0	4	haid e		Z	0	N	E	Х	ini i	1.7	
Enter zone number (0~3) to be assigned to the	Т	E	R	M		Z	0	N	Е	74.	Р	A	G	1	N	G
station chosen in step 5. Example: Zone 2. (See Note 2).	T	Е	L	1	0	4		-	Z	0	N	E	2			
(See Note 2),   38   Gisu   241   440															-	7.
Depress ENTER key. (See Note 3).	T	E	R	M	-	Z	0	Ν	Ε		Р	A	G	1	N	G
	T	Ε	L	1	0	5			Z	0	N	Ε	Х			

## GENERAL INFORMATION - TERMINAL TO ATTENDANT ASSIGNMENT

This area of the memory block is used to assign each station to one of the four possible associated attendants. If the system requires more than 2 attendants and/or more than one tenant, memory blocks 3A2 and/or 3A4 mast be programmed BEFORE this memory block.

CLE.	Forw AR - ER -	Ente	r assi	gnme	e prog t stati ent to e ent the	ach	stat	ion			D V.	gu.						
MEMORY PROGRAM	вьоск	- C.	MEM	ORY BLO	E PRO	МЕМ	AM IORY B	LOCK	THAT	MAY	-	L1 [	L2 L	3 L4		5	L6 L	.7 L
1	D9	TA	3		JA	1VA		M	Я	3	7					61.	Fil. the	seauaa(
th	fter s ill sh	statio now p	n nun reviou	nber is zoi	is ent	nber	as	e d sign	isp	to	2	L9	TEL#	CLEAR		F1 F2	920. 1	
3. Do	epres incre	sing emen	the El	VTE	key o	ause on nu	es th	ie d		lay		SPKR	FAW	DEF	) (Sej	F4	Base o	F14
	0	р . Э	2	K P	2 1	Q A	0		1	A	7		1 0 0 1 2 S	3	man inch w	F5 F6	oup auc 1 step 4. 8 2).	F15
	[6]	9	U			2				A	2	PRS 7	fuv 8	wxy 9	889	FB	витев	F17
	5	<b>a</b>								A		7 * * * * * * * * * * * * * * * * * * *	OPER O	9	935	F8 F9 F10	D	F18

#### GENERAL INFORMATION - TERMINAL TO PAGING ZONE ASSIGNMENT

This area of the memory block is used to assign each Multiline Terminal to one of the three internal page zones in the system. If necessary, a Multiline Terminal can be placed in a no zone assignment.

MEMORY BLOCK 1D10 - CALL PI	CK-IIP C	P	2111	D A		110	CINE	VER	N	20						
	CIX-OI C	100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.9		20.0			94	пот						
<u>OPERATION</u>	AN	D·		חנות	noi	inde		DI			100	inde bri			W.(	18
1. Go off line.		P	R	100000	G	100000	10000	M	-	M	-	X	3 (E.	X	X	)
[2] [3] [4] [5] [6] [17] [8]	1671					3 V 7 (1)	0	ne juliu	201			7				
Depress F1, then F9.	1	E	R	M	1	N	Α	L		F	E	Α	Tg	U	R	Ε
10 [11] [12] [13] [14] [15] [16]	il eil b		1						and the same			(8)	940	:35	101	i.A
Depress F20.		. A	L	L	2 20	Р	1	С	K		U	Р		G		H
EN DEL CARD CARD	J102		be.	?:	? 8.5	100	nte tur	9 21	75	imi erit	en. IVE			tes H s		ï
Enter the station number to be assigned.		ΤΑ	I	1		Р	1	c	K		11	P		G		
Example: Station 104. (See Note 1).	2000	-	-	1	0	4		-	P	1	C		G	?	243	1 500
100   100		10.00	s Equi					sta sta								
Enter group number to be assigned to the st		: A	L	L		Р	1	С	K		U	Р		G		
chosen in step 4. Example = Pick-up group (See Note 2).	1. 140	E	L	1	0	4		-	Р	1	C		G	1		
Depress ENTER key. (See Note 4).	385.1	: A		1		Р	1	С	K		U	Р		G		
Depress EN I ER Rey. (See Note 4).	I T	E	L	1	0	5	1		P	1	C		G	2		-

8. Depress SPKR key to go back on line.

#### GENERAL INFORMATION - TERMINAL TO PAGING ZONE ASSIGNMENT

This area of the memory block is used to assign each Multiline Terminal to one of the three internal page, cones in the system. If accessary, a Multiline Terminal can be placed in a no zone assignment.

AND STREET

SPKR - ON/O	UNCTION (OF	LINE)	exa :	RMINA	37 - Y	SECRETOR	) H Y S	OWEN
TEL# - Select	station to be prog Increment station	rammed						
ENTER - Enter	pickup group ass r assignment to e ) - Decrement the	signment ach station						
	FEATURE PRO	SECURIOR DE LA COMPANION DE LA						
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED						
1D10			L1	L2 L3	L4	L5 =	L6 L7	18
All CPU levels.	EXCHA	. M A 3 T	L9	L10 L1	1 L12	L13	L14 L1	5 L16
will show eit number assi 2. A station ca	her? or the previ gned to the station	med to one of 8	MIC SPKR	TEL #	CLEAR 3 0 10 100	F1 F2 F3	1) he extend	F12
3. To enter a n CLEAR key	o group assigni and then the ENT	ment depress the ER key.	1	ABC 2	DEF 3	F4	begast	F14 .0
4. Depressing to increment	he ENTER key c to the next statio	auses the display n number.	<sub>Бн</sub> 4	<sup>јкі</sup> 5	<sup>MNO</sup> 6	F6	TME sec	F16
		FIELD 212	PRS 7	TUV 8	wxy 9	F8		F17
		may require termina	i stra the	OPER 0	ny Wines	F9 101 0.1	D (10)	(Fig)1
					B/W	an of vari		F20

## GENERAL INFORMATION - CALL PICKUP GROUP ASSIGNMENT

This area of the memory block is used to assign stations to call pickup groups. There are a total of 8 groups that stations can be assigned to. A station can only be assigned to one group.

#### MEMORY BLOCK 1E1 - TERMINAL EXCHANGE > DISPLAY OPERATION AND . 1. Go off line. OGR N 2. Depress F1, then F10. 3. Depress Fit. 1 Ett Stu (ttu) Olu (tu) X C G 7 7 7 EX CHANGE ERM Dial the extension number of one of the stations to be exchanged. Example: 104. TE 0 4 A station can only be assigned to one of 8 CHA N GE R 5. Dial the extension number of the second station to be exchanged. Example = 120. (See Note 1). GE C ERM E Depress ENTER key. 814 7. Repeat steps 4 to 6 for any other pair of stations that may require terminal exchange. Depress SPKR key to go back on line.

#### GENERAL INFORMATION - CALL PICKUP GROUP ASSIGNMENT

This area of the nemory block is used to assign stations to call pickup groups. There are a total of 8 groups that stations can be assigned to A station can only be assigned to one group.

the alleged have

SPKR - ON/OF	UNCTION (OF	LINE)	RABL O'Straffind
	station to be prog	rammed 1 TSO	TO A
F/W (Forward)			NSSI ASSI
CLEAR -			
ENTER - Ente	assignment to e	ach pair of stations	
B/W (Backward	- DISPLAY-	and the second s	OPERATION ACCOMMENSATION
GUIDE TO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
		1C2, 2A1, 3A2	L1 L2 L3 L4 L5 L6 L7 L8
1E1			
IMIQ I I S	SARBUA	WILM BISH	Depress FT, then FTG
All CPU levels.			L9 L10 L11 L12 L13 L14 L15 L16
NOTES:			
TR	0 9 0 0	TERMA	
		for the state of t	Dept   S   T   T
1. This exchar	ige will only oper inditions are met:	ate correctly if the	
toriowing co	nutuons are met.		
• Both s	ations are the sa	me type.	F12
	7 4 00	A MAIN BIT	SPAR age roses (1 to read a lubon page 1
	er ETE-16D-() is lant. (See 3A2)	an associated O	OUG Examp (.ps. Thelects the ESE 228-1 CCU).
atteno	ant. (See 3AZ)		ABC DEF
• Neithe	ETE-16D-() is	programming	1 2 3 F5 F15
positio	n. (See 2A1)	T ETRIM ZIA	1 Fig. 188 (1981). 2015. https://doi.org/10.188/188.208.208.208.208.208.208.208.208.208.2
	EITIOLI	SILIGIO M	1 874 4 874 2012 5 20 900 6 818 BEEN JOIN 201 1916
• Both s	ations are idle.		
• Neithe	ETE-16D-() is	ssigned BLF	PRS TUV WXY Q F8
featur	(See 1C2).	A . M 8 3 T	Usite channe (umber (1 to 9), to select a special
C H 4	ETOI	2 FIGOM	circuit of an interescent
			* OPER O # SOLD E SOLD
	0 9 0 0	TERMLA	B/W F20
CHA		RODIN	type to be assigned to the part. (See Note 1)
	A STATE OF THE PARTY OF THE PAR		

## GENERAL INFORMATION - TERMINAL EXCHANGE

additional corrassignments. (See Note 2).

and tropped organization of March 1991 and area date.

CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 1E2 - TERMINAL ADD-PORT (EQUIPMENT TYPE ASSIGNMENT) > DISPLAY **OPERATION** AND . 1. Go off line. ROGR AM MIO GN N AS S R M Depress F1, then F10. 1110 1111 112 113 114 115 116 RM A D D 0 Depress F12. S M D 0 D 4. Enter module number (1 to 4), to select a specific CCU. Example: 1. (Selects the ESE-32B-1 CCU). S 0 OR A D Enter slot number (1 to 8), to select a specific interface slot. Example: 3. (Selects the 3rd. card S 3 Н slot from the right side of the selected CCU). # Both a ations are idle. ORT RM 6. Enter channel number (1 to 4), to select a specific circuit of an interface card. S Example = 4 (Selects the 4th, circuit on the selected card slot, in step 5). ORT RM ADD 7. Depress the line key associated with the device type to be assigned to the port. (See Note 1). CH4 S 3 OT OR RM A DD 8. Depress ENTER key. (See Notes 3, 4, & 5). CH1 **TERMINAL EXCHANGE** This area of the semony block is used to exchange station numbers and leature programming between two ADD ORT TERM 9. Depress TEL # key and repeat steps 4 to 8 for all additional port assignments. (See Note 2). MOD S the acceptance of the

ND-20292

10. Depress the SPKR key to go back on line.

MEN.	INICTION (OF	11015	\$281 18 43 FO TEL
SPKR - ON/OH	UNCTION (OF	- LINE)	
TEL # Calcate	r Line	ed allandoresh	10.
	- Increments char		
CLEAR-	- Increments char	mei number	
Description of the Control of the Co	ers each port assig	mment	
	- Decrements ch		980 89 00 9
CHARLES IV	O INC. INC. A	IR SIGIRIO	
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	Depress Filipso Pic
and the state of t		14 10 101	L1 L2 L3 L4 L5 L6 L7 L8
THUS NOW	71 77 6 10	1A, 1B, 1C1,	Chapters P. Charles (Value 1)
1E2		1C2, 1D*, 2A1,	
	The second secon	3A2, 4C1, 4E9	
All CDVI	VC - 1. Y - 2. U	TIERMINIE	L9 L10 L11 L12 L13 L14 L15 L16
All CPU levels NOTES:		تحدث لم الما على الما الما	Example Station 194
	Feature Block 1D	blocks of Terminal	# [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
	r eature block 1D	terminal. (See Note!	Depres live of the desired states to te
		g the relationship of	
<ol> <li>Annual Street Asia on Additional Asia Street Association of Asia Association (Asia Asia Asia Asia Asia Asia Asia Asia</li></ol>	to line key assign	ments:	MIC TEUAL E CLEAR GE) VON B TVIS 89 (FIT)
	2-16D-()	BNMRBT	F2 1000 F3
	6D-()	N O D ?	
	E 6-() E-16-2 (CPU-EB3)	au biobau	SPKR F/W ENTER F3
	16K-1	or migner)	for ange the ones queveut status, enter module
L6 - EDE		MODIS	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	E Unit (CPU-EI	3 or higher)	1 2 3 1 106 012 1 012
L16 - Indi	cates Vacant or U	nassigned	F15
LED ON =	Assigned		GHI JKL MNO
2. Single line	instruments are	not assigned in this	[10] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
		assigned in memory	1
		m is initialized (first	
or second).	S IV	1 8 7 5 5 6	[ 7
2 (8)	a melanto del alla la La La	a shanged where	59
Station assi		e changed when:	* OPER # 19
	ousy () is an attendant	station (3A2) 2 G	E C TOTAL
	a programming te		8/W F20
		BLF feature. (1C2)	Person Mataging and In suitable and appared of the sangelity
	assigned as a tand		Depress ENTER lay (See Notes 3.2 4)

- 4. Terminal add port cannot be completed when the port is assigned as a DSS/BLF, therefore, the DSS/BLF assignment must be removed (1C1) before 1E2 can be completed.
- 5. Depressing the ENTER key causes the display to increment to the next channel number.

• The previous type device is still connected.

# GENERAL INFORMATION - TERMINAL ADD PORT EQUIPMENT TYPE ASSIGNMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT

This area of the memory block is used to assign specific terminal equipment to unused ports in systems that have been previously programmed and to add new terminal equipment when expanding the system. This area of the memory block is also used to change the type of device assigned to a specific port.

OPERATION A	ND	_		San	->	<u></u> ► 1	DIS	PL	AY						LW.	
1. Go off line.	E	O	F	F	- G	L R	I A	N M	Ε	М	(	X	E	Х	Χ	
2. Depress F1, then F10.	I	Ε	R	M	1.	N	A	L		Α	S	S	1	G	N	
	L	2049		100			28		Y	10.71	U/V	h1	/	0	U	-
3. Depress F13 (See Note 1).	Ė	E	R	?	?	B ?	U	S	Y			N	/	-	U	
4. Enter station number to change its busy out status. Example: Station 104.	T T	E	R	M 1	•	B 4	U	S	Υ		I	N	7	0	U	T
5. Depress line key L1 to assign the desired status to th	ie te	rmi	nal	(Se	e N	ote	2).				80					
6. Depress ENTER key. (See Notes 3 & 4).	10	din	200	dalı										aiv:		1200
7. To access port area, depress L13.	T	E	R	M ?	•	B	U	S	Y	*	∂ <b>j</b> Ge	N C	/ H	0	U	7
3. To change the port's busy out status, enter module (1~4), slot (1~8), and port (1~4) numbers. Exampl Module 1, Slot 8, Port 1.	T	F	R	M 1	۰	B	U	5	Y	8	1	N C	/ H	0	U	
Depress L1 to change the status of the selected port.  10. Depress ENTER key. (See Notes 3 & 4).													ИO			
11. To access DSS/BLF area, depress L14.	T	E	R	M /	e B	B	U	5	Υ	G 1	1	N	Y	0	U	7
12. Enter DSS/BLF number 1 ~ 6 to change its busy out status. Example: DSS/BLF 2.	T	E S	R	M /	В	B	U	5	Υ	Prese	-	N	i / i	0	U	7
13. Depress L1 to change the status of the selected DSS/	BLF	. (S	ee l	Vote	2),							81 1-(]	nai. M-1		0.	
14. Depress ENTER key. (See Notes 3 & 4).			Total Control		Tug	019	bris	a L	as i	9000	je:	a di	hor	Stal	0	
(CPU-EB or higher). (CPU-EB or higher).	T	E	R	M	• M	B ?	U	S	Y	711	1	N:	7	0	U	1
	T	E	R	M	e M	B	U	S	Υ	343	1	N	1	0	U	1
<ol> <li>Enter modem number (1~4) to change its Busy Out status. Example: MODEM 1</li> </ol>	8.7			[-0][Co.4	IVI	2300		200	1000	1200	50.57	er out	200	1000		-
16. Enter modem number (1~4) to change its Busy Out	M. (	N IO	73,795	44.0	4.25		Ah	AR	07	MI	14	83	И.	19		

and the second s

20. Depress SPKR key to go back on line.

SPKR - ON/OI		PREMIUM PROPERTY	المالية	Ph. 7. A	LEENIG	r or m	KW CMC	WHEN Y	9.03638
TEL# - Select	s port/device to be	assigned							
CLEAR -	- Increments port	device number	- 1						
And the second s	ers each port/device	a accimment	y k Z.S. Danmann						
B/W (Backward	) - Decrements po	rt/device number		************			77.		
GUIDETO	FEATURE PRO	GRAMMING						.8711.	The aD .
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED							
1E3	24 144	14E9 9 9			2 L3	L4	L5	L6 L	7   L8
All CPU levels	(See Step 15.)	MIL 13	L	) [L	10 L1		-	L14 L	15 <b>L16</b>
modes: Sta When ent	t on, Port, DSS/ cring Memory ng station will o	y out assignment BLF and Modem. Block 1E3, the default to station	M	IC KR	TEL #	CLEAR	Ten ritz	rwine II	F11
number, DS by port loca	SS/BLF number, ration, L1 is set to a	levice by station nodem number, or assign a particular		1 288	ABC 2	DEF 3	26 3 AGE4		F14 F15
follows: LED ON LED Flash	Port Not Busi	ed Out	G GHI	4	<sub>лкі</sub> 5	мно 6	radimud (Ca)	23.5 devices 33.5 devices	F16
LEDOFF	<ul> <li>Port Not Assi</li> </ul>	gned	PRS	material 1	TUV	WXY			F17
3. Program ch	anges are not acco	pted when:		_7		JA130884	F8 ice type : epres U.	<del></del>	1
• Multiline - is unp	lugged			*	OPER O	#	F10	E	F19
S- is not		3 100	M	Jole .	medule	8/W	ni hoits	(1) <del>(1) (1) (1) (1)</del>	- American
	console is unplugg dem is not idle	ed 0 1 1 3			0.00 1.00	T. Chair		isko Maria Iribo Maria	

4. Depressing the ENTER key causes the display to increment to the next device number.

· A terminal is assigned as a tandem port

### GENERAL INFORMATION - TERMINAL BUSY ASSIGNMENT

This area of the memory block is used to busy out or restore port devices including ESI-E(), SLI-E(), COI-E(), TLI-E(), VMI-E, MFR-E() and CNF-E ETUs. The port device can be indexed by port, station number, DSS/BLF device number, or modem device number only.

OPERATION <	— AN	D.						DI	SP	LA	Y	(b)	4 W	AR		
. Go off line.		O P	F R	F O		L R	I A	-	<b>€</b>	M	(	X	e,d Eg	X	X	)
Depress P1, then F10.	T		R		0.01			ia ka		A	grut .	S	1	G	N	5345 1875
Depress F14. (See Note 1).	TT	E	L	?	1 ?	N ?	F.	0	R	M	Α	कं	v p i	0	N	A
To determine Telephone/Port assignment, dial station number to be referenced. Example: Station 104. (See Note 2).	T	Е	L D	1	0	4	rend SS/	0	D	3	5	5 C	, H	6	,	3
To determine DSS/Port assignment, depress L14.	T	S	DIJ.		a m			oder 192	R	M	A	Joe ed	ral n	0	N	2
Enter DSS device number (1~6). Example: 6. (See Note 3).	D M	S	S	6	75.0	S	iss.	0	t	T	Ε	L	1 H	0	0	
To determine device type associated with a particular port, depress L15.	T	E	L	?	1	N S	F	0	R	M *	Α	T	I H	0	N	0
Enter port information in order by module, slot, and channel. (See Note 4).  Example: Module 1 - Slot 3 - Channel 2.	M	0	D	1	0	5	L	0	T	3	S	C 5	Н	2	0	3
Check the information of other stations, ports or to the step where the desired information is provi	noden	ıs b										en; eys				and a

and the second of the second o

Bepress MFKE key to go back on line.

KFY	FUNCTION (OFF	LIME	pper Attendage
SPKR - ON/O			
	device to be check	ed HO	The second control of
	- Increment devic		
CLEAR -	YAJ9210	e number	
ENTER-		1.	
THE RESIDENCE OF THE PARTY OF T	Decrement des	vice number	
A STATE OF THE PARTY.	THE RESERVE OF THE PARTY OF THE	1 3 3 3 3 0 7	Go off line.
GUIDETO	FEATURE PRO	GRAMMING a	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
Malla	The second second second second second	is I last of a fe	L1 L2 L3 L4 L5 L6 L7 L8
1E4			UI THEOLOGIA I TEST COLL
154			
			L9 L10 L11 L12 L13 L14 L15 L16
All CPU levels	MIRIOIN	1 180	
NOTES:	W. Try	a Flaton	선생님이 그는 것이다. 이는 그는 그는 그는 그는 그는 그들은 그는 그는 그는 그를 가는 것이 되었다. 그는 이를 가게 하는 것이다.
more de asserbassambas de la			
<ol> <li>When enter</li> </ol>	ing memory block	1E4, the display	
will default	to station number	information.	MIC TEL# CLEAR F11
MIGILITIA	MSOBM	TROS	The production of the sale
2. After enter	ing device num	ber by port (or	F12
station nun	ber) if any DSS/E	BLF is associated	SPKR FAW ENTER F3
with this	terminal, the D	SS/BLF will be	F13
displayed to	the right of the	station number.	
ine 3rd D	SS number (ext	reme right) on	neson to de 2 resimus vols surs la bad bast
console nun	icates the CO	Add-On module	I the second temperature to the second tempe
console nun	iber and the large	15112.191910	
3. The display	in ston 6 shaws	the west and the	I OHI INC MINO
associated o	in step 6 shows tation for the DSS	the port and the	4 5 6
associated s	addition the DSS	device entered.	A color of the same bear and retire the bear to bear the
4. The display	in step 8 shows th	a Station No. W. L. V.	PRS TUV 9 WXY 9 SER OF A TOTAL SERVICE
and the asso	ciated DSS/BLF,	if any related to	7
the port ente		m any, related to	F9   F9
one por a cite			OPER
			lo v be 1 to be 0 to 10# to W o F10 (E) d: a right
			B/W F20
			The state of the s

## GENERAL INFORMATION - TERMINAL / TELEPHONE INFORMATION

This area of the memory block is used to display information on terminal equipment. For any device entered, the memory block will display the station number, DSS number, port location, and DSS/BLF (if one has been assigned). No changes can be made in this memory block, it is used for reference purposes only.

ND-20292 CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 1E5 - PORT INFORMATION DISPLAY **OPERATION** AND -Go off line. OF OGRAM GN Depress F1, then F10 Depress F15. M 0 D OR M Use dial pad and enter module number (1~4) where port is located. Example: Module 2. M Use dial pad and enter slot number (1~8) of chosen P module. Example: Slot 7. 0

 Use dial pad and enter channel number (1~4) of chosen slot. Example: Channel 3. (See Note 1). M O D 2 S L O T 7 C H 3 X X X X S T - X S X X X

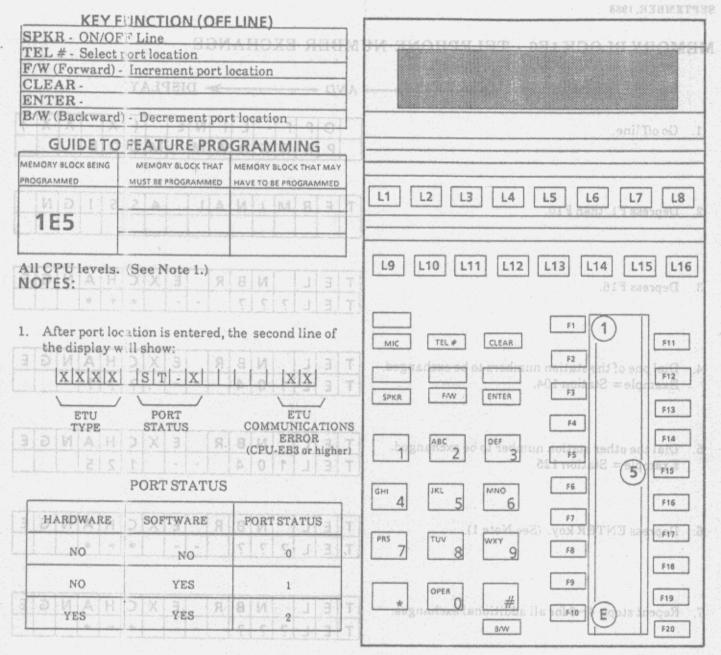
and the associated DSS/BLF, if any, related to the port ents ed.

7. Depress the F/W or B/W or TEL # keys to check any other ports desired.

8. Depress SPKR key to go back on line.

#### GENERAL INFORMATION - TERMINAL / TELEPHONE INFORMATION

This area of the memory block is used to display information on terminal equipment. For any device entered, the memory block will display the station number, DSS number, port location, and DSS/BLF (if one has been at signed). No changes can be made in this memory block, it is used for reference purposes



#### GENERAL INFORMATION - PORT INFORMATION

This area of the memory block is used to check the status of a port. When checking the status of a port, three basic items are checked. These are; ETU type, whether the system acknowledges the port through software and hardware and the number of ETU communication errors.

EMORY BLOCK 1E6 - TELEPHONE N	UM	BE	R									tb:			LIS.	
<u>OPERATION</u>	- Al	VD	***************************************	A SHAPE	Lipit e rande		->			PLA				AR FR	A.I	
. Go off line.	E	O	F	F O	G	L R	-	N M	E SL	М	(	X	E I	X	X	)
itati ettäätäyä etettäminetaan ja avataan kuisen tiikunnaa ja ja avataa avataan ja ja avataa ja ja avataa ja Viintyi met militen kuustaminetaa ja ja tiloisia varatuun ja ja apapaa ja avataa varatuutuutuutuutuutuutuutuutuutuutuutuutuu			MANE:					T .		NOME Literate						
Depress F1, then F10.	T	Ε	R	M	1	N	Α	L		Α	S	S	1	G	N	
[10] [11] [12] [13] [14] [15] [16]		T	Τ.			-	-			ÍΨΙ		70	A	61	21	
Depress F16.	T	E	L	7	N 2	B 2	R	_	E	X	C *	H *	A *	N	G	Ė
		-	in i			-	i , be	na)	ore e	il Jac		ool 3	7.00	19/	IA .	
Dial one of the station numbers to be exchanged.	T	E	L		N	В	R		Ε	Χ	C	Н	Α	Ν	G	
Example = Station 104.	T	E	L	1	0	4	Н	Lè.			?	?	?	JA:		
Annual Property Commencer	2)	den.	TU		GMO	0			TH	09 ATR			UT			
Dial the other station number to be exchanged.	T	E	1	用.当 报准	N	-	R		E	Χ	C	Н	Α	N	G	
Example = Station 125.	I	E	L	1	0	4		•	S = -		1	2	5			
1912   1913   19								TA			) S					
Depress ENTER key. (See Note 1).	Т	E	L	138	N	В	R	S.S.A	E	X	C	H	Α	N	G	
8 5 2 5 suc	T	E	L	?	?	?		-	-		*	*	*			
Marine Comment								- G					. 0			
Repeat steps 4~6 for all additional exchanges.	T	E	L		N	В	R		Ε	Χ	C	Н	Α	N	G	
	T	E	L	?	?	?		-	-	de la comp	*	·*	*			-

8. Depress SPKR key to go back on line.

#### GENERAL INFORMATION - PORT INFORMATION

This area of the memory block is used to check the status of a port. When checking the status of a port three basic items are checked. These are, ETU type, whether the system acknowledges the port through software and has twee and the number of ETU communication errors.

· Ship to make the

SPKR-	ON/OF	INC F Lin	TIQ!	N (OI	EL	NE)	H	31	NA:	AIN 3	MOHS	TELE	10.538 6	No.	n vis	v. ci zva
TEL#- F/W (For	Select	statio	n nui	nber	to ex	chan	ge				T.		1-22-1		2.46	1 2 2 3 2 3 3
CLEAR					ZILL"	1513		-400	-							
ENTER	- Ente	each	nun	iber e	xcha	ange										
B/W (Bac	ckward	- 1		M			Ta	1 4	0					9.199.7		il Bao
GUI	DETO	FEA	TUR	E PR	OGF	RAM	MI	NG	q							111 (13 9)
MEMORY BLOC	CK BEING	MEM	ORY BLO	CK THA	T ME	MORY E	LOCK	THAT	11.5							
S M	-	V 92 2	E PROG	RAMMED	1. 11.11	VE TO B	History	1 1 1 1	MED	L1	L2	.3 L4	L5	L		7 1
and the second section of				124	11	23	18/	23				-5 L4	l ra	LL	-1-1-	.7 L
1E6			4	<del>Lail</del>	-	1				-						
		7											7 [	1 [		
III CPU	levels.	A	110		N.	N			3 7	L9	L10 L	.11 L12	L13	L1	نندان النند	15 L
OTES:									3 7							SERVICE
displa	essing ay to r	eturn	222	for	addi	tion	cau al s	se t	he	MIC	TEL #	CLEAR		F1 (	1)	F11
displa entrie DSS/I when DSS/I	BLF bu a stat BLF bu	ton i	essig umb assig	nmer er is gnme	addi nt do exc nt s	tion des n chan tays	al s	tati han	on ge he	MIC	F/W ABQ9/1	ENTER DEPOT	ta he c	F2 F3 F4	1) un sei tuid s	F12
displa entrie . DSS/I when DSS/I	BLF bu a stat	ton i	essig umb assig	nmer er is gnme	addi nt do exc nt s	es n	al s	tati han	on ge he		FAW	DOTER ENTER	ta he c	F2 F3 F4		F12
displa entrie . DSS/I when DSS/I	BLF bu a stat BLF bu	ton i	essig umb assig	nmer er is gnme	addi nt do exc nt s	tion des n chan tays	al s	tati han	on ge he	SPKR 1	F/W ABQ9/1	ENTER DEFICIAL MINO	De ne con more con more con	F2 F3 F4		F12 F13 F14
displa entrie DSS/I when DSS/I origin	BLF bu a stat BLF bu alstati	ton n	??? dassig umb assig	for nmer er is gnme	addi	tion les n chan tays	al s	tati han Tth t	on ge he he	SPKR 1	F/W	ENTER  DEF 011  MNO  6	ne commer o	F2 F3 F4 F5	dadd is r chatle e: Stat	F12  F13  F14  F15
displa entrie DSS/I when DSS/I origin	BLF bu a stat BLF bu	ton n	??? dassig umb assig	for nmer er is gnme	addi nt do exc nt s	tion les n chan tays	al s	tati han Tth t	on ge he	SPKR 1	F/W	ENTER DEFICIAL MINO	ne commer o	F2 F3 F4 F5	daudi is e static	F12  F13  F14  F15
displa entrie 2. DSS/I when DSS/I origin	BLF bu a stat BLF bu alstati	ton n	??? dassig umb assig	for nmer er is gnme	addi	tion les n chan tays	al s	tati han Tth t	on ge he he	SPKR 1	F/W	ENTER  DEF 011  MNO  6	ne commer o	F2 F3 F4 F5	dadd is r chatle e: Stat	F13 F14 F15 F16

## GENERAL INFORMATION - TELEPHONE NUMBER EXCHANGE

This area of the memory block is used to exchange the station number between two terminals. It is not necessary that the stations be of the same instrument type.

EMORY BLOCK 1E7 - TELEPHONE NU	J IVI.	BE	К				9 01						NA PLE		
OPERATION - AND -	_		>		DI	SP	LA.	<u>′</u>							ARL
	-		-	-		O.B.	loxe		-	81.6	288	X	nili swi	X	X
Go off line.	H	P	F	F	G	R	A	M	E	M	0	-	E		^
	-	-	TAN	5000	1000	1	10.100	Link	ACON.	1	Link.		Danish Danish	100	a PACINI
Depress F1, then F10	Т	E	R	М	1	N	Α	L	470	Α	S	S	1	G	N
No Depress F-1, then F 10 points? Subject to the state of	Ė	-									CONTRACT OF			- 2	21
											-				20015
Depress F17.	T	E	Ī		N	В	R		С	Н	Α	N	G	E	поп
Depress r 11.	Ť	E	L	?	?	?		-	-		*	*	*	1.5	10000
		-	91	11.8	11	: W	¥9)	18	ar	M.S	ari	1 2	niza	(STC	
CON MILE GARD COM	-	-	47.1	2	1000	1000	15/2	ia)			T &	1.1	-	ala F	115
Dial station number to be changed.  Example: Station 104.	I	E	L	-	N	B 4	R		C	Н	A	N 2	?	E	ent
63 (53 VV-) (53 VV-)	T	E	14	11.	0	10.01	1	0.00		30.0	7000	100	lufa i	CEV.	bet-
E(A)		an ad		. De Lev		et en	e e doe	dren dren	nia Pia	700 56	nio nad	10	51.1	975	584 -
Dial new station number being assigned.	T	E	L		N	В	R		C	Н	-	N	-	E	120
Example: Station 304. (See Note 1).	T	E	L	1	0	4		-	-		3	0	4		
OSIM IN BIO															
	-	Te	T,	T	1 3.1	п	В	T	10	Н	TA	N	G	E	ТТ
Depress ENTER key. (See Note 2).	I	-	L	-	N 7	B ?	R		C	In	-	*	*	-	1
61 8 7	I	E	L	?	1.	1.	1	1	1	1	1.		1.7	1	
Supplication of the suppli	and and														
. Repeat steps 4 to 6 for all additional changes.															
Tast Wg															

### GENERAL INFORMATION - TELEPHONE NUMBER EXCHANGE

This area of the memory block is used to exchange the station number between two terminals. It is not necessary that to estations be of the same instrument type.

	EUNCTION (OF							
SPKR - ON/O		TERMINAL	SMIMM	OCRA	99 . 17	0.08.20	BYBL	OMSE
	station number to	change						
F/W (Forward) CLEAR -	7 8 1170711							
THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	A COMPANY OF THE PARTY OF THE P	manufacture deposits and the second						
B/W (Backward	er each number ch	ange						
D/W (Dackward	U.T. San 1981 1981 1981	TO E ELECT					anil T	6 oD
GUIDETO	FEATURE PRO	GRAMMING						
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY						
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED						
		2E1	L1	L2 L3	3 L4	L5 L	6 L7	L8
4-7		251						
1E7			-					
						<del>Geral Managaria</del>		
			L9	L10 L1	1 L12	L13 L	14 L1!	L16
All CPU levels								1 1
NOTES:								
		r which is already			-	F1 (	1)	
		will not allow it to	MIC	TEL #	CLEAR	_		F11
be entered.	N B E B					F2		
2. Depressing	the EXIMPR L							F12
		ey will cause the additional station	SPKR	F/W	ENTER	F3		
entries.	eturn to ::: for	additional station			emplean ad	ormedun	tations	F13
Citation.				100	4430.000	101 101	able: St	F14
3. A program		not change its own	1	ABC	DEF	F5		FIA
number.	Station cam	ior change its own						F15
				Torr 1	[7700	F6		
			GHI 4	JKL 5	ммо 6	K key	TME RAY	F16
			-			F7		
			PRS	TUV -			7	F17 -
			7	8	WXY	F8		
					-			F18
				[2000]		F9		
				OPER	#			F19
				V		F10	(E)	
			1		B/W			F20

#### GENERAL INFORMATION - TELEPHONE NUMBER CHANGE

This area of the memory block is used to reassign a station number to a terminal. The new number chosen cannot already be assigned elsewhere.

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MEMORY BLOCK 2A1 - PROGR.	G T	EF	RM				1 15	dar	Ш				ON	R	SEL	
OPERATION	AND DISPLAY SAS.															
		NTER - Enter each number change														ENT
1. Go off line.			0	F	F	-	L	1	N	E		1	X	w.D	X	X
rie Marie in in en en spain de monte promes. A maine en amente amende apropriété partique propriété en le la pour propriété de la comme del la comme de la comme de la comme del la comme de la comme de la comme de la comme de la comme del la comme de la comme de la comme de la comme del l			P	R	0	G	R	Α	M	HU	M	0	D	E	IUE	
t of the approximation of the section of the sectio			April 12	HE X	Scie	inde	CAS	(Nex)	.too	16 52	снал	d	žņ4	lav sic	dje v	igivish
Depress F2.	elaki, egi pero esa inepartenjaministi Kanaping pinte mennet kentag	S	Y	S	T	E	М	9225	1	0.85	878	22.			33434	M202
21 [72] [41 [52 ] [52 ] [72 ] [38			Ė													
	alla lagno (10 dijer, rojen, parelet i aptilop.												-		VE	
Depress F6, 13 [E13] TE3 [TE3]		S	Y	S			F	E	Α	Т	U	R	E	1		
													-	rel	19:	HIA
											l-in-				Ç3	TOM
Depress F11. (See Note 1).		P	R	0	G	R	Α	М	M	T	N	G.		T	E	1
Debress LTI (See Note 1) WATE	200	T	E	1		N	10000	M	CO.	E	R		7	?	7	
Printerpolaries   Printerpolar	-	-	1		-	1.0	-	141	-	-	1 13	1	10.00	1.00	1.00	in the
The second secon	Taxist 1			ěμ.						ľW.						
Dial station number to be assigned.		P	R	0	G	R	A	M	М	1	N	G	100	T	E	L
Example: Station 104. (See Note 2).	and the same of th	T	E	1		N	-	М	-	E	R		?	7	?	
		-	4-1-2	edi -	syn	-	Animir	Section 1	-	Annon market	-	10 7	la initia	rigo	ng.	A .8
Lift     Limit															imb	
Depress ENTER key.	ing.															
himmen S See	transparence															
Depress SPKR key to go back on line.																
]																
1 22 1															, .	
Test Age																
Andrews Andrew																

## GENERAL INFORMATION - TELEPHONE NUMBER CHANGE

This area of the inemory block is used to reassign a station number to a terminal. The new number chosen

the second second second second second second

	FUNCTION (OFF LINE)	
	FF Line THERMOISSA THA	TOTAL ASSESSMENT OF THE PARTY AND THE PARTY
TEL # - F/W (Forward)		
	r previous entry	
ENTER - Ente	er new station number	
B/W (Backward		
CHIDETO		oni No of
	FEATURE PROGRAMMING	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MEMORY BLOCK THAT MAY  MUST BE PROGRAMMED HAVE TO BE PROGRAMMED	
PROGRAMMED	The state of the state of the support to the state of the	L1 L2 L3 L4 L5 L6 L7 L8
3 4 4 1 2	BUILDA A TE2 PY 2	0.12190) 1.1829.109U
2A1		
All CPU levels	and the second s	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	SID CODE - BIT "	Depress F12. (See Note 1).
11 1 1 1 1	TENANTH 20-	
	ep 3 the display will show the	51
previous sta	at on assigned.	MIC TELA CLEAR (1) F11
0 (11)		Enter last a(2) cust of the lo be sasigned to the last.
	number entered must be associated = E-16D-() Multiline Terminal.	(See Note 2) (See Note 2)
with an Ell	b-105-() Multiline Ferminal.	SPKR F/W ENTER F3
		Posses Step 4 of 23-b tenant. (Enter 99 for the last of
TWAWB	TE-BIODO DO	1 2 3 75
And the second second section is the second	the state of the s	
00	TEINIAINITE 10101	GHI JKL MNO F6 A
		4 5 6 57
		[F17]
		7 7 8 WXY 9 F8
		F18
		GPER F9
		* 0 #
		8/W F10 F20
		5.7

#### GENERAL INFORMATION - PROGRAMMING TERMINAL

This area of the memory block is used to assign an ETE-16D-() Multiline Terminal system programming capabilities. Only the first and second system attendants are able to program this memory block. Only one programming station at a time can be off-line.

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OPERATION AND						Ted		-		LA.						
Go off line.		0	F	F		L	1	N	E		(	Χ	W)	Χ	Х	
		P	R	0	G	R	Α	M	AL.	M		D	B	HU	9	L
	CORY BLOCK FERGE MEMORY BLOCK THAT   BREHEBRY BLOCK THAT MAY   SHELEBRY BLOCK THAT MAY   SHADER MAKED   SHELEBRY BLOCK THAT BE PROGRAMMED   SHELBRY BE PROGRAMMED   SHELBRY BE PROGRAMMED   SHELBRY BE PROGRAMMED   SHELB															
Depress F2, then F6.		Υ	S	5,31		F	Ε	Α	Т	U	R	E	1			I
														1	3.5	
raj [ara] [ara] [ara] [ara] [ora] [e.	A Bridge											4.,				
Depress F12. (See Note 1).		P	D		C	0	D	Ε	-	3	Т	E	N	Α	N	-
THE HELD STATE OF THE SECOND	T	E	N	Α	N	Т	1		2	0	-	9	9	11 Sec. 40	3.56	The same of
		the	W.5	orle	80	W	lay	geli	) 	df	E :	ste				
Enter last speed dial buffer to be assigned to the 1st. tenant. Example: 50. (See Note 2).		P	D		C	0	D	E	10	3	Ť	E	N	Α	N	1
		E	N	Α	N	T.	2	rist	5	1	ne):	0	0	e es	T	
SEL THE THEFT				lan.	im	t#T	9/11	Hib	M	0.40	81	SIL			W	
Repeat step 4 for each tenant. (Enter 99 for the las	ten	ant	assi	gne	d).											-
Depress ENTER key.	S	P	D		C	0	D	Ε	-	3	Т	Ε	N	Α	Ν	
A [15] [15] [15]	I	E	N	A	N	T	3		0	0	-	0	0			
1143   Van   Van   F 2014																
A/3																
Hara Hara and Hara Hara Salahan a panahan panahan	. 3															

## GENERAL INFORMATION - PROGRAMMING TERMINAL

This area of the memory block is used to essign an ETE-16D-() Multiline Terminal system programming capabilities. Only the first and second system attendents are able to program this memory block. Only one programming station at a time can be off-line.

gen to the grant the target shipling the received and

	UNCTION (OFF	LINE)	
SPKR - ON/OH	Line	TOOLS OF THE P	
F/W (Forward)		RRIDE ASSI	10.4
CLEAR -			
PRINCIPAL DESCRIPTION OF THE PRINCIPAL PRINCIP	e each tenant assig	gned	
B/W (Backward			
GUIDETO	FEATURE PRO	CDAMMING	
MEMORY BLOCK BEING PROGRAMMED	STREET, STREET	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
		2A3, 3A2	L1 L2 L3 L4 L5 L6 L7 L8
2A2	XIVIIIA	A STATE	Beilters to contract
272			
	- n - ske - egler with markmark	and the second s	L9 L10 L11 L12 L13 L14 L15 L16
All CPU levels		idad kanagigiya ku waji ku sangibin kunin iyo malik sugariya	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	GIRRRI	S P D OV	Depreus F13.
buffer locat	umber of tenant ions. her must be withi	viol laigiz	MIC TEL# CLEAR F2 2 F11  SPKR F/W ENTER F3 F13
3. A maximum	of three tenants c	an he assigned	F4   F14
Trolutt		viol lois	1 or 1 or 1 or 2 or 1 or 3 of 1 or 55 of 1 or 2 or 1 or 1 or 1 or 1 or 1 or 1 or
alal os	XX	والمنافعة والمنافع والمنطوع والمنافعة والمراجعة والمنافعة والمراجعة والمتابعة والمتابع والمتابع والمتابعة والمتابعة والمتابع والمتابع والمتابع وال	motifice 1st spantrall restriction Businele 56
	reti retinedi i peri atabatan peridi elementari di esta de la constanda esta de la constanda esta de la constanda elementario de la constanda		GHI 4 JKL 5 MNO F6 A F16
COLUIT	TILALE	VIOLIGIAIS	PRS TUV S WXY 88 PR TVA F17
SIDI-YIY	3 3	- Y Y G A E	7 8 WXY 9 F8 F18
			# 59 F19 F19 F20 F20

#### GENERAL INFORMATION - SPEED DIAL TENANT ASSIGNMENT

This area of the memory block is used to allocate (in blocks) the system speed dial buffers (20 to 99) to each of the system's tenants. A maximum of three tenants can be assigned and the buffer numbers of each tenant are not allowed to overlap.

EMORY BLOCK 2A3 - SPEED DIAL O	VEI	R R	ID				IN					1.Y							
SHOW! BEOOK 2AU - SI KED BIAL O	YERRIDE ASSIGNMENT												- (bravio's) WA						
OPERATION <	AN.	D -			DISPLAY								a the publishment of the special section of						
Go off line.		0	F	F	- 1	L	L	N	E		(	Х	w xi	Χ	X				
	L	Р	R	h-miles	1000	R	Α	M		M	in the second	D	E	10.44	SPET SOL				
11 12 12 14 15 16 17 18			AADE		01 A		086	lari ng					And the second						
Depress F2, then F6.	S	Y	S			F	E	Α	Т	U	R	Ε	1	24	1				
[18] [170] [171] [173] [174] [175] [176												L.	vol	110	2.0	1.0			
Depress F13.	S	Р	D		0	٧	Ε	R	R	1	D	-		3	TO	×			
	I	E	N	А	N	Т	?					Selection			q				
CHI CAND CAN CAN		rid	e.i	ben	318		ivis		ia			in i							
Dial tenant number to be assigned (1~3).	S	P	D		0	٧	E	R				Т			1				
Example: Tenant 1. (See Note 1).	5	Р	D	2	0	-	Χ	Χ		D 113	15	2	0	00.	Χ	1			
[20] [20]									d e							1000			
Enter last system buffer location to be allowed to	5	Р	D		0	٧	Е	R				Т	Ν	0	1				
override 1st, tenant toll restriction. Example: 56.	5	P	D	2	0	-	X	X				2	0	-	5				
Depress ENTER key. (See Note 2).	S	Р	D		0	٧	E	R				Т	N	0	2				
	S	Р	D	Υ	Υ	-	Z	Z				Υ	Υ	-	Z				
Repeat steps 5 and 6 for each tenant as needed.																			

#### GENERAL INFORMATION - SPEED DIAL TENANT ASSIGNMENT

This area of the nemary block is used to allocate (in blocks) the system speed dial buffers (38 to 99) to each of the system's tenders of each tenant the system's tenders. A maximum of three tenants can be assigned and the buffer numbers of each tenant are collaborated and the buffer numbers of each tenant.

to the second section of the second

with the second

KEY FUNCTION (OFF LINE)  SPKR - ON/OFF Line  TEL # - Select tenant to be programmed  F/W (Forward) - Increment tenant number  CLEAR - Clear number of speed dial buffer  ENTER - Enter completed tenant assignment  B/W (Backward) - Decrement tenant number	MRMORY BLOCK SA4_INCOMING PRIN
GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK BEING MEMORY BLOCK THAT MAY MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED  2A2  2A3	L1 L2 L3 L4 L5 L6 L7 L8
All CPU levels. NOTES:  1. When the tenant number is entered, the display will show current information assigned.  VV-XX Total SPD dial buffer area assigned.  VV-ZZ SPD dial buffer area to override toll restrictions.  2. When the last buffer number to override is dialed, the display will increment to the next tenant.	L9 L10 L11 L12 L13 L14 L15 L16  MIC TEL# CLEAR F2 2 F11  SPKR F/W ENTER F3 3 F13  F4 3 F14  P14 P15 P16  F17 F17  F18 F19

## GENERAL INFORMATION - SPEED DIAL OVERRIDE ASSIGNMENT

This area of the memory block is used to assign certain areas of the system speed dial memory which will override any code restrictions already programmed, for each tenant.

OPERATION	AND		1	nber	i i i	ni	ene A	D	ISF	LA	Y				
. Go off line.	P	F	i sk	F -	ā	R	A.	N M	E	M	0	X D	E <sub>1</sub>	X	
Depress F2, then F6.   [8] [8] [8]	No.	siry:		4 38 O	iva			esi.		U	140	Ε			ARROM
Depress F14.	1 1	1 (	c	0	M			P	R	1	M	E	al.	Ę	EIII-
FIRE THE PARTY TO	vsic	ia il		d, tin graed											
Depress line key (L1) to set feature as required. (See Note 1).	1 1	1 (	С	0	M	910 940	10 TH	Р	R	1	N	E	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1	
Depress ENTER key.  Depress SPKR key to go back on line.															
4/4) A 32 COM E 1 1 20															
(C) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A															

# GENERAL INFORMATION - SPEED DIAL OVERRIDE ASSIGNMENT

This orea of the memory block is used to assign certain areas of the system speed dial memory which will operate any constraint and the carride any constraint of the carride any constraint of the carride and the carrier an

Maria I me de recisional de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela composición del composición dela composición del composición dela composición dela

KEY FUNCTION (OFF LINE)	The state of the s
	MEMORY BLOCK 2A5 - CO - AND # ASFIRS
TEL # -	
F/W -	
CLEAR - YAJ9810	NY A
ENTER - Enter option	
B/W - 1 2 3 3 0	L Go off large
GUIDE TO FEATURE PROGRAMMING	
MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT I PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED	
2A4 1A 3 1A, 3D1	L1 L2 L3 L4 L5 L6 L7 L8
ZA4	
All CPU levels.	L9 L10 L11 L12 L13 L14 L15 L16
To allow the incoming prime line pick feature, L1 must be lit before the ENTER key depressed. To deny the feature, L1 must be of	S
	7 TUV 8 WXY 9 F8 F18
	OPER

# GENERAL INFORMATION - INCOMING PRIME LINE PICKUP

B/W

This area of the memory block is used to allow or deny the incoming prime line pickup feature (see Section 400 for the operation of this feature) on a system wide basis.

OPERATI	ON -			ANI	-	any -		yardana		>	<u>D</u>		LA				A	
. Go off line.					O	F	F	- G	L	I A	N	E	M	(	X	Ē	X	X
							9.85.0				KOQZI KAJIĞI				pheri		SS YF	
Depress F2, then F6.		12   13		S	Y	S	Α.		F	E	Α	Т	U	R	Ε	1	A	S
Depress F15.		1] [01]	[2]	*	1	#		4	-	-		-			1000	100	107	
20p. 000 1 20.					,	#		1	S	T		D	1	G	1	T	2.3	101
274	MATO	1 221	2456	qu	olo. Kay	9 : 93	line Mrr	9 i	iii iii	0 1 1013	nin t be	iros II. S	mi dita	e di Dia	w.	ollo urs,	o" data	ř.
Depress L1 and L2 to a to be dialed as a first di	llow or dis git on a C	sallow * a O appear:	nd/or# ance.	*	1/0	#	epa a	1	S	T	97.9	D	2[2]	G	P	T	rde	9
(See Note 1).		1944	[ASR								-							-
Depress ENTER key.	E ***																	
Depress SPKR key to g	o back on	line.	11024 A															
ATT TO THE PROPERTY OF THE PRO	(d)	Rill																
111	6		5 Mg															
434																		
	VIOR			and														

#### GENERAL INFORMATION - INCOMING PRIME LINE PICKUP

This area of the nemery block is used to allow or deny the incoming prime line pickup feature (see Section 400 for the operation of this feature) on a system wide basis.

SPKR - ON/O TEL#- F/W-	F Line	THIRT	Hanara Para	remus s	4.0.38.D.O.3	BASOMS
CLEAR - ENTER - Ente B/W -	er option	(T)				
TATAL A	FEATURE PRO	GRAMMING				Co off line.
MEMORY BLOCK BEING PROGRAMMED	MEMORY SLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED				
2A5		2 2 7 2	L1 L2	L3 L4	L5 L6	L7 L8
All CPU levels	7   0   1   8	S M D R P	L9 [L10	L11 L12	L13 L1	L15 L16
the option ac	and L2 are set to cording to the followers sent out if first dit out	owing patterns: (See Note 1)		TEL # CLEAR		Parties EVI
L2 ON # no	sent out if first di t out	git	1 A	2 DEF 3	F5 F6	F13 F14 F15 F16
			PRS 7	Jv 8 wxy 9	F7 F8	F17
			* 0	0 #	F10	F19 F20

# GENERAL INFORMATION - CO \* AND # AS FIRST DIGIT ASSIGNMENT

This area of the memory block is used to allow or disallow \* and # from being sent out of the system as the first digit when a station is on an outside line. If the feature is disallowed, dialing \* or # as the first digit will access system features such as last number redial. If allowed, then system speed dial and last number redial can be accessed via the primary extension (LK16).

MEMORY BLOCK 2	A6 - SM	DR IN	соми	NG	PR	IN		MU	155	77.74	O.	T.D.		101		- SL	HEK HEL	
OPERATI	ON -			ANI	D <b>–</b>					<u>≻</u> <u>I</u>	DIS	PL	AY					
1. Go off line.				E	O	F	F -	L S R	-	N	-	-	(	X	-	X	X	)
2. Depress F2, then F6.				S	Υ	2.250	25.73		934	MAAA		38.23				d A	ANIE	
(ari) [ari]		f.) [01.	[81]	S	M	D	R	P	R	1	N	Т		elo		.23	70	ė.
4. Depress L1 as required 5. Depress ENTER key	d to allow or	r disallov	v SMDR	outpu			ib 10 ding 3 e Not	e 1)										
6. Depress SPKR key to	go back on l	ine.							giba						力			
217 227 238	Q 1	[ VIT																
P   P   P   P   P   P   P   P   P   P	44	1270																

# GENERAL INFORMATION . CO \* AND # AS FIRST DIGIT ASSIGNMENT

This area of the nemery black is used to allow or disallow \* and # from being sent out of the system as the first digit when station is on an outside line. If the feature is disallowed, dialing \* or # as the first digit will access system features such as last number redial. If allowed, then system speed dial and last number redial can be not seed visithe primary extension (LK16).

KEYI	EUNCTION (OF	TIME	
SPKR - ON/OI	FF Line	JJAT	MEMORY BLOCK 2A7 - INTERNAL ALL
TEL#-			200
F/W -			
CLEAR-	LALLELL -		
ENTER- Ente	er option		
B/W-	A la bi i	OFF-1	LO COOR BEEN
GUIDE TO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
1 3	RUTAL	3 2 V 2	L1 L2 L3 L4 L5 L6 L7 L8
2A6		HELLER	
All CPU levels	A 2 1 1 3	I N T A	L9 L10 L11 L12 L13 L14 L15 L16
calls is prov	Lt is on, SMDR ou rided. If L1 is off, Ils is not provided	atput for incoming SMDR output for	MIC   TEL #   CLEAR   F1   F1   F1   F1   F1   F1   F1   F
			PRS 7 TUV 8 WXY 9 F8 F18
			* OPER # F9 F19

# GENERAL INFORMATION - SMDR INCOMING PRINT

8/W

This area of the memory block is used to allow or disallow the SMDR output for incoming calls.

OPERATIO	ON <del></del>			AND	-				>	DIS	SPL				A.R	
. Go off line.		e gant van dege profesjonen dege glebere gant van dege profesjonen dege glebere gant i de geologiet e dege en dege gleber		Е	O P	F		L	I A	М	E I	(M)	X		X	
Depress F2, then F6.		EJ SJ		S	Y		00.00 Vel. 00.00 Vel. 00.00 Vel.			A	289.33				6,6	
Depress F17.	Esg) [	[13] [6F]			1	N	Т	Α	L	L		CA	L	L	23	1500
								1							6.3	: 50
Depress L1 as required Depress ENTER key.				2			ninot pra SiC eatur								918 (	ú
Depress L1 as required Depress ENTER key.	to allow or	disallow	the inter	2											918 (	ų.
Depress L1 as required Depress ENTER key.  Depress SPKR key to go	to allow or	disallow	the inter	2											918 (	ű.
Depress L1 as required Depress ENTER key.  Depress SPKR key to go	back on l	disallow	the inter	2											918 (	ų.
Depress L1 as required  Depress ENTER key.  Depress SPKR key to go	back on l	disallow ine.	she inter	rnal a											918 (	ű.

# GENERAL INFORMATION - SMDR INCOMING PRINT

This area of the ricenery block is used to allow or disallow the SMDR output for incoming calls.

	FF Line	DIGIT	COUNT CODE		
TEL#- F/W-	VANGDIA -	rov			
CLEAR -			2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
ENTER - Ent	eroption	11 1313171			
	rainel hallel	8 2 0 9 8			
	FEATURE PRO				
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY			
113	ALUIT ALB	HAVE TO BE PROGRAMMED	L1 L2 L	3 L4 L5	L6 L7 L
2A7				2 (24) (23	7 [20] [27] [4
All CPU levels	O D T N	DODDA	L9 L10 L1	1 L12 L1	3 L14 L15 L
NOTES:		-THOUG			
l. In step 4, if	1 is on, the inter	nal all call feature		_	
is allowed.	If L1 is off (Deaf	ult), the feature is	MIC TEL#	CLEAR	F1.5
disallowed.	0 2 1 1	UUDDA	abou anub:	ets for the Act	F2 (2)
		OILGILIT -	32 (20) The Control of the Control o	Apr ou spilled to	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	in a property of the contract				Lebes In place
Landandan (	- storing by versitable as assessed for all one frameworks		SPKR FAW	ENTER	F3
Landandan (	e agus a ag the incential ann ann an deirichte an deirichte an deirichte an deirichte an deirichte an deirichte		SPKR FAW	ENTER	F3 F13
			ABC	DEF	F3
			1 ABC 2	DEF 3	F3 F13 F13 F14 F14
			1 ABC 2 SALE TO	Tago back	F3 F13 F13 F14 F14 F14 F15
			1 ABC 2	DEF 3	F3 F13 F13 F14 F15
			1 ABC 2 SEE TO SEE THE	DEF 3	F13 F4 F5 F6 A F16 F16
			TUV  ABC 2 9814 100	DEF 3 CONTROL OF THE	F3 F13 F13 F14 F15 F16 F16 F17
			1 2 2 98 H 10 3 GHI 4 5	DEF 3 CAN AND COMMON	F13 F4 F5 F6 A F16 F16
			1 2 2 986 80 GHI 4 5	DEF 3 CONTROL OF THE	F3 F13 F13 F14 F15 F16 A F15 F16 F16 F17 F17 F17
			TUV  ABC 2 9814 100	DEF 3 CONTROL OF THE	F3 F13 F13 F14 F15 F16 A F15 F16 F16 F16 F18

# GENERAL INFORMATION - INTERNAL ALL CALL

This area of the memory block is used to allow or disallow the internal all call system feature. When active, this feature allows all page calls to reach every multiline station, regardless whether they are programmed into a page zone or not. It is mostly used for emergerncies.

OPERAT	ION -			ANL	_					->	<u>D</u>	ISI	PL/	λY				
1. Go off line.				E	O P	F R	F O	- G	L R		N M	E	M	(	X	Ε	Ue	X
2. Depress F2, then F6.	][1][	J) EL		S	Y	S	0.00	2076	F	Ε	A	T	U	Di.	Ε	1	DIA 19	C
3. Depress F18. (See No	te 1).	[] [0]]	[61]	D	A	C	C	0 T	U -	N	T X		С	0	D	E	191	All
Enter number of digit. (01 ~ 14). Example: I			2016 P VS2	D	A	C G	C 1	O	Ü -	N 0	10 . 100		c	151	-	-	da.n	1 .1. b.
6. Depress ENTER key. 6. Depress the SPKR ke	y to go back	c on line.		And the state of t														
	3000	2 27 S	[ 184 ]															
614 614		[ ano]																

# GENERALINFORMATION - INTERNAL ALL CALL

This area of the namony block is used to allow or disallow the internal all call system foature. When active, this feature allows all page calls to reach every multipline station, regardless whether they are programmed into a page zone or not. It is mostly used for emergerncies.

The second of th

	KE	YE	11	ICI	10	N.C	OF	ELI	NE	)				-					-	-				
SPKR-	10	I/OF	EI	ine								REI		Sol	ATA	SYNTEE	100	ag.	0	103	100	N. T.E	W.	tow.
TEL#-																								
E/W -				344		5.4		200				1.5												
CLEAR				I.A.	<u> Pili</u>	210	-44		inenie e	e de la constante de la consta	in the second	nein.	9	3 -	- 88									
ENTER	- I	Ente	ra	ccol	int	cod	e di	gits	ass	ign	mer	nt												
B/W		15%	1							13		L										8.7	anH	ilo of
GUI	DE	TO	FE	AT	UR	E P	RO	GR	Δħ	A IV	IINI	3 0	h											
EMORY BLO		170-101-112		MEMO	distant.	12010	04110444	9 20000	NAME OF TAXABLE		K TH	150.000												
ROGRAMMED				IST BE				3 3 - 7		100	OGRA		:: l					-						
	F	1 9	Я	dami.	IT	l a	T a	12	I		12	Ιv	T	1	1	L2	L3	L4		L5	L	6	L7	L
2A8						1	-		-	1	1	1	H								1	3,3	-	d' Lan
ZAO	L	1-	-	-	-	1	4	-	-	1	1	100	Ц						-				<del></del>	
-						4			· .					T-										_
All CPU	1 or	Lith		To.	ĪΒ	1 121	Tri	To	ļ	TU	Fe	T		IL	.9	L10	L11	L1	2	L13	L	14	L1:	5 L
OTES:		eis.		125		+-	12	H.	-		18	19	H						TO 8	Non	esc,	1.61	TEE	म्प्रवृक्त,
	L.				l.	lX.			H	13	1-0	10												
displ	D	1/1	)ett	0	vai	ue :	SIL	0	gits	Īx	18	19			MIC	TEL #	_alq	CLEAR	-	00 2	2	2	183	F11
									F			0	P	L			_		]		_	Ĭ		F12
															SPKR	F/W		ENTER			3			
																					F4			F13
	Đ	И		0	a	IT	Tu	10		Tx.	Ta	1	T	1		ABC	7.	DEF	Jeec See	-	- I	ITИ		F14
					Parada (Ca	1	-	-		Ta	Ta	0		IL	1	2		3	3		F5			
							derin,			i i			l,ii											F15
														Gi	0 4	JKL		MNO	]		6	(A)		
														1	4	-	2	6	-					F16
												a be				red rep			os g	al <del>og</del> i	7	891	2429	F17
														PI	7	TUV		WXY			8			1717
														-		.0.011	ก็อาร์	080 0	3. GJ	key	HZ.	8 01	8	F18
														1		[anne	7		1	-	9	1	9	
															*	OPER (		#						F19
																100			7		10			
																		B/W	1		·	1		F20

# GENERAL INFORMATION - ACCOUNT CODE DIGIT

This area of the memory block is used to define the maximum number of digits for account codes. This value can be set from 1 to 14 digits in length.

OPERATION	- ANI						, marjajyyaa	DI			0.000				
Go off line.	-	T	nan		HU		#4.D	N	E	1100	1	х		X	X
		P	F	0	G	R	A	M	E BL	M	0	-	E	10	^
makangan sebagai an atau sebagai dan kemanan sanggan madakan dan pendebahan berama an sebelahan dan berama an Anggan berama dan sebagai pengan dan dan pendamanan dan berama dan pendebahan dan berama berama berama berampi Anggan berama dan sebagai pengan dan dan pendamanan dan berama dan pendaman dan berama berama berama berampi ber		Y 20.344 -1	Light.)					THE MARKET				DVI		obies v pasava	
Depress F2, then F6.	S	Y	S			F	E	Α	Т	U	R	Е	1		
skapit da filiati – da fini pasi se të në njegorime i se në pasi se pasi pasi për nga një fili se finitificati Sa të në nga të në njegorime dhe në njegorime pari pasi pasi pasi pasi të njegorime të në ndrojnë pasit ku një	-   -													3.A	77
(9) [119] [113] [114] [115] [116]		To		~				-	•			2.1	-		
Depress F19. (See Note 1).	C	О	B	E	1	0	U	T	G	0	_	N	G	183	
											-	ava i	S and	inui	7
[101] [101] [201] [201]		-	-		1	ad in	SIL	-	hav	114	471	G . 6	10.17.0	Shed The	-
Enter PBX outgoing code. Example: Digit 9.	C	P	B	X E	4	0	U	T	G	0	1	N	G		
A 1 ( A 1 ( A 1 ) ( A 1 ) ( A 1 ) ( A 1 )	٢	U	U	E	1		-	9							
A STATE OF THE STA										-		-			
Depress ENTER key. (See Notes 2 and 3).		P	В	X		0	U	T	G	0	1	Ν	G		
Manager Land Land Land Land Land Land	C	0	D	Ε	2	-	*	?							
A) La															
If a second PBX outgoing code is desired, repeat st	eps 4	and	5.												
157 C 2011 C 2011		3													
Depress the SPKR key to go back on line.															

### GENERAL INFORMATION - ACCOUNT CODE DIGIT

This area of the memory block is used to define the maximum number of digits for account codes. This value can be set from I to I4 digits in length.

	EUNCTION (OF	ELINE)	PART CREET CREET CREET
SPKR - ON/O	FFLine	TOTAL COME TO SEE	EMORY BLOCK SAID - TIE LINE DIGI
TEL#-			
CI FAR CI	nt PBX outgoing c	ode number	
ENTER - Ent	ar previous assign	ment	
	ent PBX outgoing	LATE-LIBL STAT	
D' H - Decreine	enter bx outgoing	code number	Go off line.
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY SLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED P	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
	481,486		L1 L2 L3 L4 L5 L6 L7 L8
240	701,400		
2A9			
7 2 3 9	7 7 3 3	al al del	
All CPU levels		2° 2° 2° 1 ° 20	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	•		
140123.			
1. During ster	3 any current b	BX outgoing code	Enterstation one seigned Example: Station
	is displayed.	on outgoing code	
	- January	TWIT ALTERNATION	MIC TEL# CLEAR F2 (2)
2. Depressing	the ENTER key	causes the display	[F12]
to incremen			
REST.	TIDI	0 3 1 7	SPKR signer signer of the man bear signer of the second signer of the se
		tgoing code set for	struct lengtin hat the station will be allowed to
code 2 is dis		PEALLINE	we when using a The line (Cap) 970 (ABC) New 2)
			1 2 3 55
T 2 3 9	7 1 5 1	a lalatel	F15
			Depres E(A) Rates (Se ONM 3) LIXI
LALLLE		TELLIOIS.	4 5 6 6
			67
	asilla s specific at	eprass TEL # key to a	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			7 8 9 5
			F18
			OPER D 11 FO NOTED ON 1.59 N 1939 F19
			* 0 # 510
			B/W F20

#### GENERAL INFORMATION - PBX OUTGOING CODE

This area of the memory block is used to assign up to two single digit PBX outgoing codes. These digits are dialed by a station user on a PBX line to access CO dial tone.

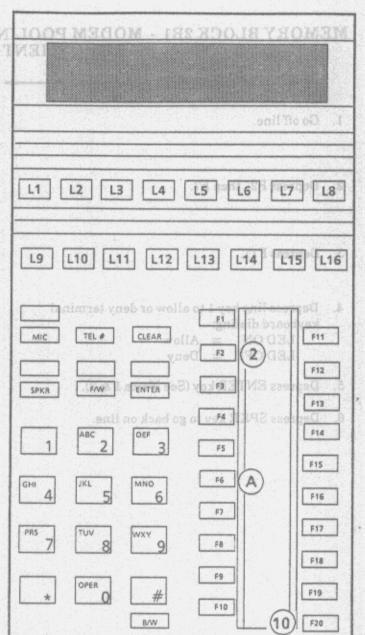
MEMORY BLOCK 2A10 - TIE LINE DIGI	T I	RE	ST	RI	СТ	10	N	AS	SI	GN	M	EIN	ž.	- 2	2KI BL	
OPERATION <	- AND - 39-divide above to DISPLAY national - W 3															
1. Go off line.		O	F R	F O	- G	L R	I A	N	E	M	0	X D	910 E	X	X	)
2. Depress F2, then F6.	S	<del>-</del>	S	-	8 VAC	P	Ε	1	-	U		Ε	1	0.1141	72010 EAST (2)	279
		10.00			T	1							-	67	72	
3. a Depress F20.	T	E	L	?	?	?		G		T		R	E.	S	0.0	A
4. Enter station to be assigned. Example: Station 102. (See Note 1).		To	1.	E	0	D 2	4	G	1	T	1	R	E	S	T	
	ш		gaib	en en		Eµ10	a vo	si S	(27		e d		isa	ange	-	2
5. Enter the maximum number of digits (digit string length) that the station will be allowed to	T	T	1	E	0	D	1	G	1	T	1	R	E	S	T	
dial when using a Tie line (01 ~ 99). (See Note 2).	_				10								Peir s			
6. Depress ENTER key. (See Note 3).	T	T	L	1 1	-	D 3	1	G -	1	D	1	R	E	S	T	X
7. Repeat Steps 4 and 5 for all subsequent stations or	depr	ess	TE	L#	key	y to	assi	gn :	a sp	ecif	ic s	tati	on.			
8. Depress SPKR key to go back on line.																

#### GENERAL INFORMATION - PSX OUTGOING CODE

This area of the memory block is used to assign up to two single digit PBX outgoing codes. These digits are disled by a state or user on a PBX time to access CO dial tone.

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line STATE AND TEL # - Selects station to be programmed F/W - Increments station number CLEAR - Clears previous assignment ENTER - Enters each assignment B/W - Decrements telephone number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY SLOCK THAT MAY MEMORY BLOCK THAT ROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED 4E1~ 4E10 2A10 CPU-EB or higher. NOTES:

- After step 4, the display will show any previous assignment. Default is: ?? (No restriction).
- 2. Depress the CLEAR key to set no restriction.
- Depressing the ENTER key will increment the display to the next station number.
- This digit inspection will occur on all trunk groups associated with Tie lines.



### GENERAL INFORMATION - TIE LINE DIGIT RESTRICTION ASSIGNMENT

This area of the memory block is used to limit the maximum number of digits that each station is allowed to dial when using a Tie Line.

MEMORY BLOCK 2B1 - MODEM POOLI ASSIGNMENT		
OPERATION	CLEAR - Cle YAJQSIQ COLENTER - Enter each assertment	
1. Go off line.	O F F - L I N E ( X · X X P P R O G R A M M O D E	)
2 <sub>83</sub> Depress F2, then F7.	S Y S . F E A T U R E 2	
3, Depress F11. [EFJ] [SFJ] [EFJ] [OFJ] [QJ]	PCDIALASSIGN	
4. Depress line key 1 to allow or deny terminal keyboard dialing:  LED ON = Allow  LED OFF = Deny	1. After step 4, the display will show any previous assignment. Defend is: 72 (No restriction). 2. Depress the CLEAR key to set no restriction.	
5. Depress ENTER key (See Notes 1 & 2).	<ol> <li>Depressing the ENTER key will increment the display to the next station number.</li> </ol>	
6. Depress SPKR key to go back on line.  219  A	4. This digit respection will occur on all trunk groups associated with The lines.	
1 00 L 1 CVS		

# GENERAL INFORMATION - TIE LINE DIGIT RESTRICTION ASSIGNMENT

This area of the memory block is used to limit the maximum number of digits that each station is allowed to distribute us og a Tie Line.

KEY	FUNCTION (OFF LINE)	SEPTEMBER, 1988
SPKR - ON/O TEL # - F/W - CLEAR - ENTER - Ente	reach assignment	ANNOT HOLL BUSINESS IN ACCOUNT.
B/W -	7 3 4 1 3 - 9 9 0	Cooffine
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MEMORY BLOCK THAT MAY MUST BE PROGRAMMED HAVE TO BE PROGRAMMED	
2B1 3	2B7 2D1 2 4 2	L1 L2 L3 L4 L5 L6 L7 L8
2. The amour	igher. WOJJA  eny; LED off.  t of time the modem is reserved is ble in Time Base Assignment 1.A	L9 L10 L11 L12 L13 L14 L15 L16.  (I stold sec) .SIR seerage 0. 8  MIC TEL # CLEAR F1
9 3 V O	AL LOW F WD	1 2 0EF F14 F14 F14 F15 F15
		GHI 4 STELL MNO F6 F6 F7 B F17 F18 F18
		* OPER # F10 F19

# GENERAL INFORMATION - MODEM POOLING / TERMINAL KEYBÖARD DIALING ASSIGNMENT

This area of the memory block is used to assign (system wide) modem pool access via computer terminal keyboard dialing. This allows data users the ability to reserve modems and then dial out from computer terminals instead of their stations.

MEMORY BLOCK 2B2 - ALLOW FORWA	ARI	0	VI	ER	RI	DE	 						<u></u>			Challe of the
OPERATION <	- AN	D -					noin	D	ISI	PLA	Y			A.S	KIS LIG	
1. Go off line.		O	F	F O	G	L R	-	N	E	M	0	X		X	X	)
2. Depress F2, then F7.	S	Υ	S	10 dB	MON-	F	E		Y#0		R	E	2	ISBN A	F203	A Company of the Comp
3. Depress F12. (See Note 1).		Α	L	L	0	W		F	W	D	13	0	٧	E	R	
			J	-		!		Tie	as	A p	ţmai	a Ei	ilus	te0		
4. Depress L1 to allow or deny forward override.  L1 LED ON = Allow  L1 LED OFF = Deny		A	L	Ł	0	W	12.64	F	VV	D	Má.	0	٧	E	R	
5. Depress ENTER key.		Α	L	L	0	W		F	W	D		0	٧	E	R	
6. Depress the SPKR key to go back on line.																
87 P P P P P P P P P P P P P P P P P P P	egy gyelle elektronista atata tagannya panden elektronista en elektronista elektron															

# SEVERAL INFORMATION - MODEM POOLING/TERMINAL KEYBOARD DIALING ASSIGNMENT

This area of the memory block is used to assign (system wide) modern pool access via computer terminal keyboard halfs at this allows data users the ability of reserve moderns and then diel out from computer reminals instant of their stations.

Entertainment in the control of the

KEY	FUNC	TION (OF	FLINE	1		
SPKR - ON/O			maa.	ATM	ENA	EMORY BLOCK 2B3 - DIT TRUNK TO
TEL#-				Addres.		
F/W -			10000	A dice		
CLEAR -	X.A.J	ASIU -<-	Profesional		- GV	
ENTER - Ent	er assi	gnment				
B/W - X . X		1 N F	111.	Jal :	Holls	. Co off line.
5(0)56-0	LL.	1000	121.75	Lestin		(29) 031 13116.
GUIDETO	FEA	TURE PRO	GRAM	MIMN	G	
MEMORY BLOCK BEING	MEMO	ORY BLOCK THAT	MEMORY	BLOCK TH	YAMTA	
PROGRAMMED	MUST 8	EPROGRAMMED	HAVE TO	BE PROGR	AMMED	
			-	1D7		L1 L2 L3 L4 L5 L6 L7 L8
2B2		And and and		- Formania de La compania del compania del compania de la compania del compania de la compania de la compania del compania de la compania del compania del compania de la compania del		
Political Production and the improvement any production		y was a second processing				
ENANI	I TI	138	BIT	LIT	Lid	Donasson 212
All CPU levels			N N	14 11	ЯТ	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:		the standard	Andrew Parkers	LELLE		
						1 그 사람이 보고 그리고 있으며 그 그리다.
After step 3     previous as	l, line k signme	ent.	will d	isplay M U	the T	MIC TEL & CLEAR SHOT TEL & ALLE AND ASSISTED OF THE PROPERTY AND THE PROPE
L1 LED ON		Allow for	ward or	verride		F2 (2)
LILEDOF	FT =					Figure 1 Four of Fibres and U.F. 1 (19)
NANTE			0	April 100 September 1981		SPKR FAV ENTER 53
			TA TU	180 117		F4 (1 SJ07)
						ABC DEF F14
FNANS	-		lo ly	1777		1 2 3 5
	- 2-4				LIG	L Repress ENT Mkey (See Note 2).
NANTE		I LIE	N N	MIU	9 7	GHI JKL MNO F6
						4 5 6 716
						F7 (B)
	trunk	a specific	rgisks (	n # US	Tasenq	PRS Steps and S for a Taxwed Tuve Tuve Tuve Tuve Tuve Tuve Tuve Tuve
						7 8 9 Fa
						F18
						DEPARTE SPK Key D go back on been
						* 0 #
						F10
						B/W F20

## GENERAL INFORMATION - ALLOW FORWARD OVERRIDE

This area of the memory block is used to allow or deny (on a system wide basis) the ability to re-direct a call forward previously set to a different target station.

MEMORY BLOCK 2B3 - DIT TRUNK TO			IN	Τ.	AS	SI	ΞN	MI	EN	T		10/	NO.		PK	2
OPERATION <	AN.	D -					<b>-&gt;</b>			PL	properties we a				W	200
1. Go off line.	E	O	F	F	G	L R	1 A	N M	E	TA	( M	X	D	X	X	)
	مشمنع إ	ASC 2		00.1	7/10		-	-	T	U	-	-		DE STATE	TROM MADE	266
2. Depress F2, then F7.	S	Y	S	ΩI		F	Е	Α		U	R	E	2			
	- n	Ti	T		T	В	V		Γ	Ī	Т	E	N	A	N	Т
3. Depress F13.	T	R	U	N	K	?	7		-		Ľ	مان	IN.	151	) []	A
	_			_					-		T ==	_	-	:23	-	M
4. Enter the trunk number to be assigned (01~40).  Example: Trunk 2. (See Note 1).	D	R	U	N	K	R	K 2	11	17.	T	E	E N	+	A N	N	X
			4.5	(2014)	wit.		lace	alen	HA			MC	LOS	1.1.1	1	
5. Enter the tenant number (1~3) to be assigned to	D	1	T	in	T	R	-	Y's	s()	22	T	-	N	Α	IN	T
the particular trunk. Example: Tenant 2. (See Note 3).	LI	R	U	N	K	0	2			T	E	N	A	N	T	2
1 Me 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	О	1	Т	Г	Т	R	К		Τ.	I	Т	F	N	Α	N	Т
6. Depress ENTER key. (See Note 2).	T	-	-	N	1	-	3			Т	-	N	1	1	Т	X
(2) 4 (5) MAG (5) (5) (6) (6)		1.0		1.1	1 14							-				
7. Repeat Steps 4 and 5 for all subsequent trunks, or	depr	ess'	rei	#	to a	ssig	n a	spe	cifi	c tri	ınk	Ta				
8. Depress SPKR key to go back on line.																
[ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [																
[ Fee L. L. L. L. Mar.																

#### GENERAL INFORMATION - ALLOW FORWARD OVERRIDE

This area of the memory block is used to allow or deny (on a system wide basis) the ability to re-direct a call forward previously set to a different target station.

a relief of a found control production of the control of the contr

Market State of the State of th

KEY FUNCTION (OFF LINE)	
BLOCK 284 - DIT / ANA ASS GUMENT COLOR STATE TO THE STATE OF THE STATE	MEMORY
TEL # - Enters Trunk number F/W - Increments Trunk number	
CLEAR - Clears previous assignment	
ENTER - Enters each assignment	
B/W - Decrements Trunk number	STOR PS
GUIDE TO FEATURE PROGRAMMING	L. Coofflin
MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED	
2B4 2C1, 2C2, 3A4 L1 L2 L3 L4 L5 L6	L7 L8
283	
THE CHAIN STATES TO THE STATE OF THE STATE OF THE STATES O	
CPU-EB2 or higher. T X M U R T L9 L10 L11 L12 L13 L14 NOTES:	L15 L16
Default trunk assignment: All trunks assigned (04-10) because ad all add (14-10) because ad all add (1	4. Entir th
2. Depressing the ENTER key will increment the display to the next trunk number.	F12
B.G.O.M. Y.A.G. T.I.G. SPXR TO ENTER 18 TO ROBED 120 ST	A Company of the Comp
	to the second second
Trunk Group to Tenant assignment in Memory	F14
Block 2C2.	
ENTER LEGY (See Pyote 2) DIT DAY (See Pyote 2)	BERRY SFIS B
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
4 5 6 <sub>67</sub> B	F16
Steps of for electrical Turbur equires This # to assign a specific trusic	F12
[ 7	F18
BELL COM THOUSE THE CHERT MODE	
DAY X X X X X X X X X X X X X X X X X X X	
aw.	F20
SPKR key to go back on line.	Danwase

# GENERAL INFORMATION - DITTRUNK TO TENANT ASSIGNMENT

This area of the memory block is used to assign DIT trunks to tenants. Each DIT/ANA trunk follows the day/night assignment of its tenant.

MEMORY BLOCK 2B4 - DIT/ANA ASSI	GN.	ME	IN?	r							La	eta	Ω.: 3. :			
OPERATION	AN	D -								PLA			nee H.		CI	
1. Go off line.	E	O P	F	F O	- G	L R	l A	N	E <sup>T</sup>	-	( M	-	D	E	X	)
2.g Depress F2, then F7.	S	Y	S	2.E	ADM NO. ST	F	E	A'	T	U	R	Ε	2		0.17	
3. Depress F14. Erg Stg Dr. Org eg	T	D	I	T	K	?	?		D	A	Y	10	M	0	D	E
4. Enter the trunk number to be assigned (01~40).  Example: Trunk 2. (See Note 1).	be T	D	4	-	K	-	-	100	D	A	Y	<b>Aurician</b>	M	OX	D	E
5. Enter the extension or station hunting number to be assigned to the chosen trunk. Example: Extension 140. (See Note 3).	Ĩ	D	I	T	K	0	2	30	D	A	Y	T	M 1	0	-	Ε
6. Depress ENTER key. (See Note 2).	Ī	D	I	Т			3		D	A	_	Т	M	O	D	E
7. Repeat Steps 5 and 6 for each DIT trunk required,	or de	pres	s T	EL	# to	as	sign	a s	peci	fic t	rui	ık.				
8. Depressing LK16 alternates the display between DAY and NIGHT modes.	T	D	U	T	K	0	3	1	G	H	T	Т	M	O	D	E

# \* GENELAL INFORMATION - DITTRUNK TO TENANT ASSIGNMENT

This area of the memory block is used to assign DPP trunks to tenants. Each DITVANA trunk follows the day/night assign ment of its tenant.

an an Alle Marie and Alle and Alle and Alle

The street of the same

SPKR - ON/O TEL# - Select F/W - Increm- CLEAR - Clea ENTER - Ente	FUNCTION (OF FF Line as trunk to be assignents trunk number ars previous assign ars each assignment ants trunk number	gned r ment	A OMITATO LI GOT AGRADO IGVOCAS
GUIDE TO	FEATURE PRO	GRAMMING	Go off line.
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
284	3 S W T A	1D8, 283, 3A4	L1 L2 L3 L4 L5 L6 L7 L8
CPU-EB2 or h	igher.		L9 L10 L11 L12 L13 L14 L15 L16 (I storid sed) diff asset god
previous ex displayed.  2. Depressing display to the second secon	the ENTER key the ENTER key ne next trunk.  numbers available and the termina should be assig	1000~8999 Is where they are ned to the same	MIC TEL # CLEAR  F1  SPKR F/W ENTER ICL F3  F12  F14  ABC DEF 3  F5  F15  F16  F16
5. DIT trunks keys (LK1 - used for out	- LK15) unless the	e assigned to line trunk is also being	PRS 7 TUV WXY 9 03 0 F8 1 192 s.f. F18
secondary, o	or virtual extension	ned to primary, ons, however, they m dialing number.	# OPER F10 F19 F20

# GENERAL INFORMATION - DIT/ANA ASSIGNMENT

This area of the memory block is used to independently assign day mode and night mode (ANA) extension terminations to incoming trunk calls. A trunk can terminate at one extension only, but several trunks can be terminated at the same extension.

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## GENERAL INFORMATION - DIT/ANA ASSIGNMENT

This area of the memory block is used to independently assign day mode and night mode (ANA) extension terminations to incoming trunk calls. A trunk can terminate at one extension only, but several trunks can be terminated at the same extension.

TEL # - F/W - CLEAR - ENTER - Ent B/W -	F Line	1 18 3 6 1	ORY BLOCK 286 - LCR LOCAL CA
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	GRAMMING MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	eoff line.
2B5	8 L1D7 A 3	286, 285 Y	L1 L2 L3 L4 L5 L6 L7
All CPU levels	C CAL	0 3 8 3 1	L9 L10 L11 L12 L13 L14 L15
After step 3     current assi	, line key L1 LEI gnment.	) will display the	MIC TEL # CLEAR F1
1 V O 1	449 3		F2 2 F1  SPKR F/W ENTER F3  F4  ABC DEF 3 F5  GHI 4 JKL 5 MNO F6  F7 B  PRS 7 TUV 8 WXY 9 F8
S V O J	JADD	0 3 8 3 3	* OPER # F10 F10

# GENERAL INFORMATION - LCR 1 + DIALING ASSIGNMENT

This area of the memory block is used to provide the LCR-E ETU with the information whether or not the system is in a 1 + dialing area.

OPERATION <	ANL	) —					>	-	-	-	AND DISPLAY FALL SASTEMENT												
. Go off line.		O P	R	F O	1000	L R	I A	N	E RU	M	(	X	E	X	X	)							
Depress F2, then F7.	S	Υ	S		38	F	E	Α	100000	-	Section .	E	2	C C	IS.	H-14							
Depress F16. (See Note 1).	L	С	R		L	0	С		С	Α	L	do	rol	0	٧	Æ							
THE DATE OF THE PARTY OF THE PA		arid	ysl	gai	5.11	w C	I.E.	i iJ						ingil inte		I							
a. Depress L1 to assign whether or not local calls will override LCR:  L1 LED ON = Local calls route through LCR  L1 LED OFF = Local calls override (by-pass)  LCR  b. Depress L2 to assign whether or not local calls dialed without a 1+ prefix, in a 1+ area, will bypass LCR:  L2 LED ON = Local calls in 1+ area bypass  LCR.  L2 LED OFF = Local calls do not bypass LCR.  (CPU-EB or higher.)	L	C	R		L	0	С		С	A	_	L		-	V	E							
Depress ENTER key.  APIG APIG APIG APIG APIG APIG APIG APIG	L	С	R		L	0	С		С	Α	L	L		0	V	E							

# GEHERAL INFORMATION - LCR 1 + DIALING ASSIGNMENT

This area of the memory block is used to provide the LCE ETU with the information whether or not the system is in a 1+ disling area.

	EA TE	R	- E		r as	sig	nme	nt	RO	GR	AN	1M	INC	9												
	ORY B	LOC	29/01/27	100	М	EMO ST BE	PROG	CK T	HAT	MEN	молу е то	BE PR	K THA	AT MA	37.4	L1	] [	L2	L3	] [	4	L5		L6	L7	j
	2B	6	2	A			0	0	9		M	3	0	0	In										(年32	274
AII	CP	U S:	lev	els.	. (S	ee i	Ster	41	).)	1	M	3	İq	0	IN	L9	][	.10	L11	] [	12	L13	3 [	L14	L	5
1.	Aft			p3, ent.		LE	D, w	ill	disp	lay	the	pr	evic	ous	1	MI	<u>171</u> 95	oj m P) 2 TEL	MB	CLEA	ale	de Inc	F1	1	) bai	70
		4	0	M	S	3	A		2	0	N S	3	0	0	N S	SPK	ALC: A	State	-	EXB			F2 F3	197	le Si bals bals tot c	2
	0		Ð	i M	2	3	A		\$	0	M	3	a		IN R	GHI -	m bs	TKL	75	MNO	ii pa	3-6	F6	1.00	M st	
			D		3	S			×		M		o	O	IN	PRS	4 7	phra-e	8 2	wxy	9	100	F8 9	В	6	
				M	A Mari	3	T	gal	30	Y and	S lone		T	die im	011	rs i.e.s.	*	OPER	the second second	II 87	_		F9 F10	a seq	Ste a sp	

## GENERAL INFORMATION - LCR LOCAL CALL OVERRIDE ASSIGNMENT

This area of the memory block is used to assign (on a system wide basis) whether or not local calls will override (bypass) LCR. This memory block is also used to assign whether or not the dialing pattern NNX+XXXX is routed through LCR, in a 1+ dial area.

<u>OPERATION</u>	AN	D -					->	<u> </u>	IS	PL/	AY	diamin di		SIA		
. Go off line.	E	O P	F R	F	- G	L R	I A	N	E	M	(	X	Ε	X	X	)
a tradicione della ante ano estre estr Tradicione della ante estre			21/1	IVI.	MA	HP	(U)	3.3	HU	ΤA	3"		30	IU:	2	
Depress F2, then F7.	S	Υ	S	16 <b>-</b> 10	013	F.	E	Α	J	U	R	Е	2	tour	000	nah
Andrews American Services Serv			-6	85	LS				CH					As	3.5	
Depress F17.	M	0	D	Е	M		P	0	0	L		Α	S	G	N	Г
19 LTG [LT] LTS [LT4 LT5 LT6	M	0	D	Е	M	?	7	6			53.1			110	5.	
	_													65;	TO	И
Enter the device number of the modem to be assigned (1~4). Example: MODEM 2. (See Note 1	M	0	D	E	M	2	2	HIE	A	S	S	1	G	N 7	7	
ASSISTED TO THE PROPERTY OF TH	). 5	L		1	!	1				E	R	M	1	1	1	
Dial the Single Line Telephone station number	M	0	D	Е	M		2		Α	S	S	1	G	N		Γ
associated with an SLI port to be assigned to this modem for modem pooling. Example: Station 150.	5	L	Т	1	5	0			T	Е	R	M	?	?	?	
249   S S S F	_															
Dial the Multiline Terminal station number	M	0	D	E	M		2		A	S	S	1	G	N		-
equipped with a DTA-E unit (and associated with an ESI-EB ETU) to be assigned to this modem for modem pooling. Example: Station 110.	S	L	T	1	5	0			Т	E	R	M	1	1	0	
Depress ENTER key. (See Notes 2 and 3).	М	0	D	Е	М		3		Α	S	5	1	G	N		Γ
B12	S	L	T	?	?	?			Т	E	R	М	?	?	?	

# GENERAL INFORMATION - LCR LOCAL CALL OVERRIDE ASSIGNMENT

This area of the memory block is used to assign (on a system wide basis) whether or not local calls will average (bypast LCR. This memory block is also used to assign whether or not the dialing pattern NNX + XXXX is conted through LCR, in a 1 + dial area.

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KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enters modem device number F/W - Increments modem device number CLEAR - Clears previous assignment ENTER - Enters each assignment B/W - Decrements modem device number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED L2 L1 L3 L4 L5 L6 L7 L8 1A, 1D2, 2B1 2B7 2D1, 4B4 L9 L16 CPU-EB or higher. NOTES: 1. After Step 4, the display will show any shether Voice Mail age previous assignments. TEL # F11 MIC F2 2 2. The assignments made cannot be entered unless both an SLT station number and a F12 TERM. station number have been assigned. SPKR F/W ENTER F13 3. Depressing the ENTER key will increment the MF tones will, or display to the next Modem Device number. F14 F5 4. Depressing the CLEAR key clears the SLT and F15 TERM assignment and returns the program to step 4. F16 6 B F7 7 F17 F8 F18 F9 OPER F19 F10 BAW. F20

#### GENERAL INFORMATION - MODEM POOL ASSIGNMENT

This area of the memory block is used to assign an SLI or VMI port and a Multiline Terminal equipped with a DTA-E unit (and associated with an ESI-EB ETU) to be used by each modem in the Modem Pool. A maximum of four (4) modems can be assigned to the Modem Pool, with each modem requiring a dedicated SLI or VMI port and Multiline Terminal equipped for data.

SEPTEMBER, 1988 MEMORY BLOCK 2B8 - VMI ASSIGNMENT Increment modern device number **OPERATION** AND 0 Go off line. 0 G R M 0 D R Y. E A U E LAJ'I Depress F2, then F7. S S 3. Depress F18. eral kraj traj oraj es N E E E Set L1~L4 to assign whether Voice Mail equipment or Single Line Telephones will be connected to each port of the VMI. (See Note 1). LED ON: Voice Mail (Default) LED OFF: SLT (CPU-EB or higher) unless both an SLT station number and a Set L9-L12 to assign whether DTMF tones will, or will not be automatically sent to each of the VMI ports Depressing the ENTER key will increment (See Note 2). LED ON: Send DTMF tones LED OFF: Do not send DTMF tones (Default) (CPU-EB3 or higher) Depress ENTER key Depress SPKR key to go back on line. 817

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CHAPTER 3

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#### GENERAL INFORMATION - MODEM POOL ASSIGNMENT

This area of the memory block is used to assign an SLI or VMI port and a Multiline Terminal equipped with a DTA-E unit (and associated with an ESI-EE ETU) to be used by each modern in the Modern Pool. A maximum of four (4) moderns can be assigned that the Modern Pool, with each modern requiring a dedicated SiA or VMI port and Multiline Terminal equipped for data.

and the state of t

SI			KE	YF	UN	CI	101	110	DFF	LII									-	-		-		
-	KR	- (	ON	OF.	FL	ine		1 6				TM	37	MA.	DI	242	LYPAS	T. SECT.	1 0	SEE	SEC	O.U	H.Y	SOM
	CL#																							
	W -	_			-	-	-		100	1.00	46.4	16												
	EA						98		-05	nda entre		in-Unique	Secure	- (1	NA.									
Er	NTE	R.	Er	iter	188	ign	mer	ıt																
B/	W-	<u>X</u>	1	LX			13	114				13	1.3	10										70. /5
	GI	UIE	)E	TO	FF	ΔΤΙ	IR	F D	RO	GR	A R	I NAI	NG	1 41		-				-			-entri	no off
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	GRAMI		× DEII	-			PROGI		C. C. 101					MAY										
					75	IV	NOGI	- None	NED	HAV	18.1	150	GRAN	MMED	5	L1	L2	L3 [I	4	L5	16	L6	L7	L8
				-							4	<u>C1</u>	-					-3   [.	- 1	1.0			27	Leo
	2	B8	}			America	Alessa.				di i		ilin palais		-									
	ينبش									gate more										-			-	
	1.11						125	N		B		H	13			L9	L10	11 [	12	L13	7 -6	14	LT	5 L16
Al	CF	PU	lev	els.	(S	ee S	ster	184	and	d 5.	)					123	LIO L	-11	.12	6.13	1 [	-14	1	
A.c	DTE	:5:					Sec.					dia	linkly						be	ricte	Rest			LEDC
	T 1	- 1	4 -								irdish. Lebar													
l.	LI		/4 C	orre	spo	na	to v	IMI	por	ts 1	54	res	pect	ivel	у.	0 000 000	unk acc	shieh ta	z inaf	300	E1 :	and S	3.7	Elozoft.
2.	1.0	1~T	12	COL	esn	one	l to	VM	Tno	rte	1~	d ro	eno	ctive	,ler	MIC	TEL #	CLEA	RSO.	I sas	activ E			/E11
	440	100 To 100			448				w lac		•		aper	JULY 1		4. A THE STATE OF						1/		
	110															1000				stoka.	F2	(2)	PP:	D GHLI
	40																			200	38203	(2)	277	P12
	23					5	A	g	Īγ	8		Я	5			SPKR	F/W	ENTE			F3			- Incommend
				Y	2	S	A	q	Y	8		Я	2			SPKR	F/W	ENTE		2) <u>C</u>		(2)		- Incommend
8		\$			2	S	A	q 3	Y	8		Я	) T		•	SPKR	F/W	.(ENTE		2) C				F12
		S			3	S	A	q	Y	8		Я	2	171	9	SPKR	ABC	DEF	N. 90	, C	F3 (1.7)	HTV	9.4	F12
8		\$			2 3	S	A	q	y Vi	8		Я	7		•	SPKR 1		DEF		, C	F3		9.4	F13 F14
		\$			70 77	S	A	q m	y	8		Я	7			SPKR 1	ABC	DEF	N. 90	, C	F3 (9.8) F4	HTV	9.4	F12
		S			3	S	A	9	V	8		Я	7			1 GHI	ABC 2	DEF DO	3 ad	, C	F3 (1.7)	HTV	9.4	F13  F14  F15
	<i></i>	S			3	S	A	q	V	8		Я	7	1	2		ABC 2	DEF DO	3	, C	F3 F4 F6	NTE	9.4	F13 F14
		S			3	S K	A	q m	V	8		Я	7	3		1 GHI 4	ABC 2	DEF DO	3 ad	, C	F3 (9.8) F4	HTV	9.4	F12  F13  F14  F15  F16
		2			3	K		9	V	8		Я	7		2	1 GHI	ABC 2	DEF DO	3 ad	, C	F4 F6 F7	NTE	9.4	F13  F14  F15
	<b>u</b> 3	S			3	S K	A	9	У	8		A	C   T	4	8	1 GHI 4	ABC 2	DEF DO	3 ad	, C	F3 F4 F6	NTE	13 es	F12  F13  F14  F15  F16  F17
	ud	\$			3	K	A	9	V	8		Я	2		2	1 GHI 4	ABC 2	DEF DO	3 ad	, C	F4 F6 F7 F8	NTE	9.4	F12  F13  F14  F15  F16
B	<i>ud</i>	S			3	K	A	9	y u	8		Я	7		2	1 GHI 4	ABC 2	MNO WXY	3 6	, C	F4 F6 F7	NTE	13 es	F12  F13  F14  F15  F16  F17
B	ud	S			3	K	A	9	У	8		7	7	10	2	1 GHI 4	ABC 2	MNO WXY	3 ad	, C	F4 F6 F7 F8	NTE	13 es	F12  F13  F14  F15  F16  F17

# **GENERAL INFORMATION - VMI ASSIGNMENT**

This area of the memory block is used to assign whether Voice Mail equipment or Single Line Telephones will be connected to each of the four (4) VMI ports and whether DTMF tones will be sent or not. The equipment connected determines the dial tone that is provided on hookflash.

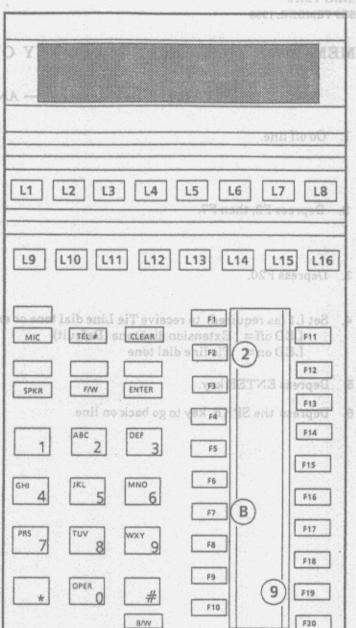
OPERATION			AN	D ·					>	_	-	LA	Y	tel	En	- 21		
. Go off line.				0	F	F		L R	L	N M	Ε	М	(	X D	E	X	X	3
$\frac{1}{2} \left( \frac{1}{2} \left$				P	R	0	G	No.	A	IVI	253.9	200	2.00	-	-	355. 300.8	100	Note:
Depress F2, then F7.	12   13		S	Υ	S	100	E DI	F	E	Α	Т	U	R	E	2	438	M-A	0
			L									- (harris)				38	Z	L
. Depress F19. (See Note 1).	Ere I Le	l Ferl		L	C	R		В	Y	Р	Α	S	S	Ė		E		E
	mark from	المناسبين ال	-	P .	T	111	L	4	N	E	(194)	K	E	Y	V 6	2	-	8
LED ON: Bypass LCR LED OFF: Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR LED OFF: Restricted	trunk acc	cess code	S gro	E	by	pas	s LC	cr.	(Se	e N	ote	2).	apo	973	05 8	1 5-	fj 13	
LED ON: Bypass LCR Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR Restricted  Restricted		pro	gro	oups	s by	207	s LC	CR.	(Se	e N	of	2).a	apo	973	05 8	de	1J	
LED ON: Bypass LCR LED OFF: Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR LED OFF: Restricted		cess code	gro	oups	by	pas	s LC	cr.	(Se	e N	ote	ž). bno	apo	973	120	de	rJ eJ	
LED ON: Bypass LCR LED OFF: Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR LED OFF: Restricted  Depress ENTER key. (See Note 3).	Participant Sept.	pro	gro	L	by	207	s LC	CR.	(Se	e N	of	2).	ogs ges	110	120	d-	r e l	
LED ON: Bypass LCR LED OFF: Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR LED OFF: Restricted  Depress ENTER key. (See Note 3).	Participant Sept.	ASUS CONTRACTOR	gro	L	by	207	s LC	CR.	(Se	e N	of	2).	ogs ges	110	120	d-	67	
LED ON: Bypass LCR LED OFF: Restricted  Depress L2 thru L8 to select which LED ON: Bypass LCR LED OFF: Restricted  Depress ENTER key. (See Note 3).	Participant State of the State	A STA	gro	L	by	207	s LC	CR.	(Se	e N	of	2).	ogs ges	913	120	d-	67	

## GENERAL INFORMATION - VMI ASSIGNMENT

This area of the nemory block is used to assign whether Voice Mail equipment or Single Line Telephones will be connected to each of the four (4) VMI ports and whether DTMF tones will be sent or not. The equipment connected determines the distribution which is the while the model ash.

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL# - Changes Assignment SON MOTOR S F/W -CLEAR -ENTER - Enters assignment B/W -GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED 1D7 285, 286 2B9 CPU-EB or higher. NOTES: 1. After Step 3 line key LED's 2 thru 8 will

- After Step 3 line key LED's 2 thru 8 will display the previous assignment. LEDs 2 thru 8 correspond to trunk access code group 2 thru 8.
- L1 LED is always off and cannot be changed. Attempting to do so results in error tone.
- Once ENTER is depressed, no further changes can be made. If new changes are required depress F19 again or TEL# key to re-enter the memory block.



## GENERAL INFORMATION - LCR BYPASS ASSIGNMENT

When dialing a station assigned for LCR, this area of the memory block is used to assign (system wide) whether or not Trunk Access Code Groups 2 thru 8 will bypass LCR. NOTE: Reorder tone is received by a station assigned for LCR when that station dials an access code not assigned to by-pass LCR.

ND-20292 CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 2B10 - RECALL KEY OPERATION FOR TIE LINES DISPLAY Street and HATEL **OPERATION** ANDN Go off line. D GR M MO 0 A 21 S EAT UR 2. Depress F2, then F7. 112 L13 | L14 | L15 | L16 E CAL ASGN T E Depress F20. Set L1 (as required) to receive Tie Line dial tone or extension dial tone. (See Note 1). display the previous assignment. LEDS 2 thru 8 correspond to trunk access code group 2 thru LED off = Extension dial tone (Default) LED on = Tie line dial tone Depress ENTER key. Ut LEU is always off and cannot be changed Depress the SPKR key to go back on line. can be made. If new changes are required 873 1,075 3025

## GENERAL INFORMATION - LCR SYPASS ASSIGNMENT

When dialing a station easigned for LCR, this area of the memory block is used to assign (system wide) whether or not "mink Access Code Groups 2 thru 8 will pypase LCR. NOTE: Reorder tone is received by a station assigned for LCR when that station distributed in code not assigned to by pass LCR.

								(0								to the second of			" Harrison to Lair			- 3557	\$ 20	1771	17	SE 17	0R	M
			N/C	OF	ELi	ne	H	W.V	(1)	125	34.3	q II	0.5	HD	B	LU.	II.	OT	SEM	UM	A			13,83		<u> </u>	44.55	
	L#	£ _	3.5						200																			
	W -		4.5			Val. o																						
	EA	-	-		I.A	<u> 11</u>	EIL		5	ggillating of		and a second	Despise.		ľ	1												
EN	TE	R -	En	ter	eac	1 as	sigr	ıme	ent																			
B/V	W -	X		X			3	И				3		0												1941	Lito	
	GI	UIC	E	го	FEA	TL	IRE	PF	200	GR.	ΔM	MI	NG	9				-										
MEM	ORY B	-	200	2377 77	-9000	MORY			10.77		ORY 8	32755	0785000	-	1													
PROG	RAMN	MED				T BE PI	- JAc.				TOB	77.5																
						71			100	Parent.	1~	1 301	EVEN S	1000	15	L1	7	L2	L		L4	П	L5	T	6	L7		L
	2B	4	n	+						46			E FU		H				-			d h-				-		
	4 D	EL,	J	+					_		1	L	1		-	-					-		-		-			-
						100															1.0		1					
-					r lyin	ez 1			*****		FIA	lu.	T is	-		LS		L10	L1	1	L12	2	L13	L	14	_L1	5	F,
CP	II-I	EB	2 or	SUPPLIES.					3			t Aur.	[.7%]												-			_
CP	U-I	EB:	2 or	mi	, in c									100	E													
CP NC	Sta	atio	ns t	that	aco	ess	Tie	al	tone	e. I	dia Dire	ct a	cce	are	e f	С	ıc	TE	EL#	CI	EAR		F	1	L		F	1
1.	Sta	atio	ed b	that by e	aco	cess isio ffec	Tie	al	tone	e. I	dia Dire	l ac	cess	are	T f	M	ic .	TI	100000000000000000000000000000000000000	- Sentino	ent.		1 159 21012	211	(2)	tru(	F	li.
N C	Sta aff Tie	atio	ed b	that by e	aco xter	cess isio ffec	Tie	al	tone	nsi	dia Dire	l ac	cess	are	e f	M SP			100000000000000000000000000000000000000	ered Nati	ent.		100	211	(2)	tru(	E	12
1.	Sta aff Tie	atio ect	ed b	that by e	ace xter ot a	cess nsio ffec	Tie n di ted	al	tone	e. I ensi	dia Dire on o	l ac	cess cce: ton	are	f T				FAW	EN N3	SPE SPE SPE		) 199¢ xl(n); F	3		10 s	F	12
NC 1.	Sta affi Tie	atio	ns ted b	that by e: is no	v ter	ess isio ffec	Tie n di ted	al i	tone	e. I ensi iensi	dia Dire on o	l accet a	cess cce: ton	s are	T f			AB	FAW CALCULA	EN LO	396 396 TER	1	togues (Link	3	loin	10 s	F	13
NC 1.	Sta aff Tie	atio ect	ns ted b	that by e: is no	v ter	cess nsio ffec	Tie n di ted	al	tone	e. I ensi	dia Dire on o	l accet a	cess cce: ton	are	T T			AB	FAW	EN LO	SPE SPE SPE	1	LOUNK LOUNK	3	lair 3	fo s	F	13
NC 1.	Sta affi Tie	atio ect	ns ted b	that by e: is no	v ter	ess isio ffec	Tie n di ted	al i	tone	e. I ensi iensi	dia Dire on o	l accet a	cess cce: ton	s are	T f	SP		ĀB	F/W	EN LE	See Paris	1	togues (Link	3	lair 3	10 s	F.	13
NC 1.	Sta affi Tie	atio ect	ns ted b	that by e: is no	v ter	ess isio ffec	Tie n di ted	al i	tone	e. I ensi iensi	dia Dire on o	l accet a	cess cce: ton	s are	T f			AB	F/W	EN LE	396 396 TER	1	unk unk up up up	3 4 6	oin i3 ib	t to	F.	13
NC 1.	Sta affi Tie	atio ect	ns ted b	that by e: is no	u v v v	ess isio ffec	Tien di	al i	tone	e. I ensi iensi	K K	l accept a distribution of the second of the	cess cces ton	s are	r	SP	1 1	ĀB	F/W	EN CO	P 10	] . [ 	Per le se le	3 4 6	lair 3	t to	F F	13
NC 1.	Sta affi Tie	atio ect	ns ted b	that by e: is no	U U	cess isio ffec	Tien di	al I	tone	e. I	K K	l accet a dial	cess cces ton	areass o	r T	SP	1 1	ĀB	F/W 2	EN CO	TER SOC	] . [ 	Per le se le	3 3 4 6 6 7 7	oin i3 ib	t to	F F	112

# GENERAL INFORMATION - RECALL KEY OPERATION FOR TIE LINES

This area of the memory block is used to assign (system wide) the type of dial tone that will be returned when the RECALL key on a multibutton set is depressed while using a Tie Line. If DID trunks are in use, the system should be programmed for extension dial tone.

MEMORY BLOCK 2C1 - TRUNK TO	TRUN	K G	RO	UP	A	SS	IG	NN	IE.	NT				2.53	HOLS	
OPERATION <	A	ND ·					<b>—</b> >	<b>-</b> )	DIS	PL	AY				W	
								9/11/2	mie	GER I	tox				TV	
1. Go off line.		0	F	F	-	L	I	N	E		1	X		Х	Х	)
		P	R	0	G	R	Α	-	-	M	Ò	-	E	III	3	,
	e akking samphalman disabet nagaring p		TART				9 8	LINE TO THE				10	eest.		EVAOR	
Depress F2, then F8. 21 . Ad Ed SJ		SY	-	à		G	1	0	U	T-	Γ					-
															25	
110 [111] [112] [113] [114], [415] [114]	Tell					esia colprina						1				
Depress F11. ATJ STJ STJ STJ OTJ		T	R	U	N	K	-	Т	R	U	N	K	10-1	G	.U	0
	L	TR	U	N	K	?	?									36.1
International [ 123			225													
Dial the trunk number to be entered.	2/4	Т	1	U	N	K	BLX	T	R	u	N	K	751	G	13	-
Example: 01 for Trunk 1. (See Note 1).		TR	U	N	K	0	1	-	Т	R	U	N	K		G	X
Francisco (FFF)	1002															
Dial the Trunk Group (1 ~ 8) the trunk is		Т	R	U	N	K	-	Т	R	U	N	K		G		-
assigned to. Example: 4 for Trunk Group 4. (See Notes 2 & 4).		T R	U	N	K	0	1	-	Т	R	U	Ν	K		G	4
83 Outs 2	h (2)															
Depress ENTER key. (See Note 3).		Т	R	U	N	K	-	T	R	U	N	K		G	T	-
Las Los Los Los	289	R	U	N	K	0	2	-	Т	R	U	N	K		G	X
Security Sec	Anamara I															
For each subsequent trunk to be assigned, reptrunk.	eat steps	5 an	d 6,	or d	epr	ess'	TE	L#	key	to	assi	gn a	sp	ecif	ic	
Depress SPKR key to go back on line																

#### GENERAL INFORMATION - RECALL KEY OPERATION FOR TIE LINES

This area of the memory block is used to assign (system wide) the type of dial tone that will be returned when the KECALU key on a multibutton set is depressed while using a Tie Line. If DiD trunks are in use, the tystem small be programmed for extension dial tone.

professional and the contract of the contract

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enter new trunk number F/W - Increment trunk number CLEAR-ENTER - Enter each assignment B/W - Decrement trunk number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK SEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY ROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L5 L4 L6 1D4, 1D5, 1D7 2C1 All CPU levels. L10 L11 L12 L13 L14 L15 NOTES: 1. During step 4 any current Trunk Group assignment for the trunk number entered is MIC TEL # CLEAR F11 displayed. 2. When assigning trunks to Trunk Groups, F12 F3 ENTER program changes do not take affect until all FAN SPKR trunks in the Trunk Group are idle or when a F13 second initialization is performed. F14 F5 Depressing the ENTER key will cause the F15 display to increment the trunk number. F6 GHI MNO F16 4. If trunks are connected in ascending numerical F7 order, to prevent collisions, it is recommended F17 that high numbered loop start trunks be assigned C F8 to unused low numbered Trunk Groups and low F18 numbered loop start trunks be assigned to high F9 numbered Trunk Groups. OPER F19 Example: A system with 40 loop start trunks F10 should be programmed as follows: 8/W F20 Trunk Group 1 → Trunks 36~40

#### GENERAL INFORMATION - TRUNK TO TRUNK GROUP ASSIGNMENT

Trunk Group 8→ Trunks 1~5

This area of the memory block is used to program individual trunks into Trunk Groups. This is necessary because system features such as trunk dial access and code restriction are based on Trunk Groups and not individual trunks.

MEMORY BLOCK 2C2 - TRUNK GROU	JP TO	Γ (	E	NΑ	NI	` A	SS	IG	NI	ИE	NΊ	107	MO.	二月	2192	
OPERATION <	– ANI	) <b>–</b>					- Ny	DI			11.1		1932		N.F	
1. Go off line.		O	F	F	- G	L	I A	N	E	Tith	( 0	X	_	X	X	)
ing pangkapangan ngapangan pangkapan ngapangan ngapangan ngapangan pangkapangan ngapangan ngapangan ngapangan pangkapangan ngapangan pangkapangan ngapangan ngapangan ngapangangan ngapan ngapangan ngapangan ngapangan ngap Mangkapangan ngapangan ngapangan ngapangan ngapangan ngapangan ngapangan ngapangan ngapangan ngapangan ngapang		(ASA S	AHT :	c) á ji	A NEW	wid M	TAF	rt 355	jug v	BONS	9 <sub>/</sub> 5	DV.			PARTICULAR S	
2. Depress F2, then F823 A3 E3 S3 T	S	Υ	S	G.	h	G	R	0	U	P					2	-
3. 3 Depress F12. 1 [813 [813 [813 [813 [813 [813 [813 [8		T	R	U	N	К		G		T+	E	NT.	i al	N.	-	A
Depress F12.	T	E	N	A	N	T	?	G	•	1	E	N	Α	N	3 0	4
														drin Big		-
4. Dial tenant number (1 ~ 3).  Example: Tenant 1. (See Note 1).	T	T	R	U	11500	K	1	G		Т	Е	1	1	N	12000	
ESTME SMA Rack		mai	itm: dw	a do	ulle idha		s q					di i		rge alno		
5. Depress L1 to L8 to assign the appropriate Trunk	Group	s to	the	ten										unan man		
Depress ENTER key. (See Note 3).		Т	R	U	Ν	1 3	lm	100	iĝ.	1	-	100	_	N	-	
4 15 16 7	LT.	E	91111	Α	THE	1100	2		1000	G131	000		57.27 7	10 (0)	ابيا	-
7. Repeat steps 5 and 6 for all subsequent tenants, o	r depre	ss T	EL	# k	ev	to p	rog	ram	as	pec	ific	ten	ant.	der, ach um		
B. Depress the SPKR key to go back on line.									ni d	háf					ura -	
614 614 W. O. C.	3		ni i			TEW								eini Pine Pine Pine		
Appropriate applications in the project of the service and service are the set of the project of the service and the set of the project of the service and the	innerimed.													atria. Anti		

#### GENERAL INFORMATION - TRUNK TO TRUNK GROUP ASSIGNMENT

This area of the memory block is used to program individual trunks into Trunk Groups. This is necessary because system features such as trunk dial access and code restriction are based on Trunk Groups and not individual trunks.

process of the contraction of the process of the process of the contraction of the contra

SPKR - ON/O	EF Line	LINE)						
TEL # - Enters	s new tenant numl	oer		MANNETH .	A-1000 1200	262.343	124.Y3	THE PROPERTY OF
F/W - Increment	nts tenant number							
The same of the sa	ers each assignme	nt	VI		Barrer Co.			
B/W - Decremen	nts tenant number	LE ESESTAT						90.45
GUIDETO	FEATURE PRO	GRAMMING	-				inne.	Tio oU
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED						
2C2	2C1	2A2, 2B3, 2C3, 3A4, 3C2	L1 [	L2 L3	L4 [	L5 L6	L7	L8
All CPU levels	경기는 사람들들의 이번 그는 사람이 많아 되었다.	T R K . G	L9	L10 L11	L12	L13 L1		5 L16
assignment	p 4 any previous for the tenant en tern of L1 to L8.	is Trunk Group tered is shown by	MIC	TEL#	CLEAR 3 18da	F1 F2	2)	F11
tenant in si used:	top 5, the follow	ups to a specific ing procedure is	SPKR	F/W 98	ENTER	F3 F4	(2)	F12
L1 to L8 co	rrespond to Trun	k Groups 1 to 8		ABC 2 (8	OEF 3 O.A		dess ite	F14
LED on:	Assigned to tenant		sairned 3 for 7		3 V.A	1 72 11 1	on seed	F15
LED off: 1	ot assigned to ter	nant	GHI	10 sand cal	MNO Pedin		(A. (A.	2 (13.93)
. Depression	the ENTER ke	y will increment	4	5	6			F16
the display to	the next tenant	number, X X	PRS	Trust (	See <del>Hotel</del>	F7	ENTE	Figo
X 8 . 5	A .	RKGS	7	TUV 8	9		c)	
	An approximately time exemple as impressed the extension of the delice.	the annual stage of the second stage and the stage of the						F18
en a specific	TEL # key to assi	equired, or depress	d Crounts to	OPER	ail subsec	69 101 0 101 101 101 101 101 101 101 101	steps 5	E19 3/
			_ ×	L UI L		F10	Group	Trunk
				anil no s	B/W	vast 51 HS	Zanis	F20

# GENERAL INFORMATION - TRUNK GROUP TO TENANT ASSIGNMENT

This area of the memory block is used to assign up to eight system Trunk Groups to each of the tenants.

OPERATION <	ANI						190			LA'				HA		
<u> </u>	1747				ja sa Jina karintahan	_3:	1901	DI		108	1			83	TV.	22
Go off line.		O P	F	F O	- G	1000	Α		E	M	0		EC	X	X	1
BJ TJ BJ BJ BJ EJ BJ TJ Depress F2, then F8.	S	Y	s	10.2	Leu	G			U	Р	Dist.			D (M)	uuto L	
	Ľ		3		1	9			0					\$	25	
Depress F13.		Т	R	K		G	-	A		С		G		130	10	
11 27	T	R	K		G	?	0.017						331		C.S. N	100
TALE CALE SITE OF A							113									
Dial Trunk Group number (1 ~ 8).		Т	R	K		G	-	Α		С		G				
Example: 4 for Trunk Group 4. (See Note 1).	T	R	1		G	4	orti we		wi	A	rQ.	С	igi	G	_	
EPE		100						100								
Dial access item code (A.C.G. 1 ~ 8) to be assigned		Т	R	K		G	-	Α		C		G	vij	pace	191	
o the Trunk Group chosen. Example: Dial 3 for tem code (A.C.G.) number 3. (See Note 2).	T	R	K		G	4		103	of I	Α	188	C	13	G	3	
193 D. M. C. 1933							nest i					5. m				
Depress ENTER key. (See Note 3).		Т	R	K	ngd	G	-		133	-	-	-	monte	sib-	_	
C	T	R	K		G	5		-		Α		C		G	Χ	
Repeat steps 5 and 6 for all subsequent Trunk Group Frunk Group.	s re	quir	ed,	ord	lepr	ess	TEI	#	key	to	assi	gn.a	asp	ecif	ic	
Denverse the SPKR key to go head on line	-															

#### GENERAL INFORMATION - TRUNK GROUP TO TENANT ASSIGNMENT

This area of the memory block is used to assign up to eight system Trunk Groups to each of the tenants.

F/W - Increment CLEAR - Clear ENTER - Enter	a new Trunk Group it Trunk Group ir access code grou er each assignmen it Trunk Group no	p assignment t	dyla —				ine.	ll Tio 60
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	GRAMMING MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED						
2C3	92010 A	2E12 Y	E L1	L2	L3 L	L5	LG L	7 L8
All CPU levels NOTES:  1. During step assigned f displayed.	4 any current a	CCess code group	М	c TEL		-	14 (50	15 L16
2. ACCESS IT	EM A	CCESS DIAL CODE	Sp)			ot Group	Wall a	fswamp
1 2 3	9 U O B 9 8 70	(Fixed)		1	2 (105%)	3 008) 70	ENTER	F15
		(Default) (Default) (Default) sin V orl	ды раца	4 IKE	5 MNO	lia rol de		F16
7 8	75	(Default) (Default)	PRS	7 Tuv	8 wxy	o v E		F17
<ol> <li>Depressing t display to in</li> </ol>	the ENTER key wi	ll cause the xt Trunk Group.		* OPER	0 #	£ F1		F19

#### GENERAL INFORMATION - TRUNK GROUP TO ACCESS CODE GROUP

This area of the memory block is used to assign access item codes to the system's Trunk Groups. Access item code 1 cannot be changed, as indicated in note 2 above.

MEMORY BLOCK 2C4 - VOICE MAIL F	IUNT	'G	RO	UF	> A		uo H					ALE AON Esta			SPK TEL
<u>OPERATION</u>	AND	***********	211	3107	BIS		01	DIS	SPI	A	Y	030		AR ero	E/W.
1. Go off line.		O	F	F	G	L	An e	-	E	ALL:	(0	X	0,10	X	X
		0.354		15930 08430				17. HQC X61A.R				RY	17/6. pt		V ROBATIN PACISTAN
2. Depress F2, then F8.	S	Y	S	2.E		G	R	0	U	Р				Service of the servic	25
Depress F14. (See Note 1).		Н	U	NI	_		-		0		-	Total	70	110	O I A
Depress 114. (See 110te 1).	T	E	L	?	?	?	G	R	0	U	P			7	TOM
Sect Start Start				aber else											
Enter VMI port extension number to be assigned the Voice Mail Hunt Group.	to T	H	U		-	-	G	R	0	U	Р		yes	sigi	ih
Example: 147. [8] [879] [WH] [879]	record Section	E	L	1	<b>4</b>	1000					61	temi G	A) (	19.0 19.0	00
Depress ENTER key. (See Note 2).		Н	U	N	Т	(3)	G	R	0	U	Р				
194   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944   1944	I	E	L	X	X	X	0.0							6	
Repeat steps 4 and 5 for all VMI ports to be assign	ned to t	he '	Voic	e M	ail		nt C	rou	p.	(Se	e N	ote :	3).	8 0 5	
Depress the SPKR key to go back on line.	1 2 '-						75								
[ c1x ]															

#### GENERAL INFORMATION - TRUNK GROUP TO ACCESS CODE GROUP

This area of the semony block is used to useign acress item codes to the system's Truck Groups. Access item code I carries be changed, as indicated in note 2 above.

- This is apply that the property of

KEY	FUNCTION (OF	FLINE)	
SPKR - ON/O	FF Line	DEMENT ASSE	TEMORY HLOCK NOS - DELAY ANNOUN
F/W - Increment CLEAR - Clear ENTER - Enter	nts item number ars current assign ers each assignme ns item number	ment (3)	
GUIDE TO	FEATURE PRO	GRAMMING	anil The oD
PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED 2B3, 2B4, 4C1	L1 L2 L3 L4 L5 L6 L7 L8
All CPU levels		TRUNKI?	L9 L10 L11 L12 L13 L14 L15 L16
1. After step 3 assignment	, the display will	show any previous	Enter to be assigned (01 - 40).  Mic TEL # CLEAR ASSIGNED AND AND SHEET THE CLEAR ASSIGNED AND AND AND AND AND AND AND AND AND AN
to incremen	t to the next exten		F2 2 F12 SPKR FAW ENTER F3 F13
3. A maximum can be prog group.	n of 4 VMI port e trammed into the	xtension numbers voice mail hunt	ABC DEF 3 FS F15
			4 5 6 6 7 F16 F17 PRS TUV 8 WXY 9 F8 C
			# OPER # F19 F19

### GENERAL INFORMATION - VOICE MAIL HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign VMI port extension numbers to the Voice Mail Hunt Group. If no VMI-E ETU is installed, memory block 4C1 should be programmed BEFORE 2C4.

MEMORY BLOCK 2C5 - OPERATION	DEL	AIA	NNOU	AN		I.C. I	, I	A	100									AL VEY	
Or Barretton									je	iaui me	-	7023		-	un		HI	TH	
I. Go off line.					-	F	F		L	1	N	E	1118	-	X	-	X	X	=)
and a particular and a particular and a second and a particular and a second and a second and a second and a s An experimental representation of the second and a second a			franklike en profesioner en		P	R	0	G	R	A	-	ЯU	-	M	0	D	E		-
engelige der det ver ein eine vor der der de deutschaften der de deutsche vor eine ein de deutsche der eine ver Der einste Propielier der der der eine der der deutschaften der der deutschaften der deutschaften der deutscha				-		ART :	00 ye	1780	To de la constant			DESTRUCTION OF THE PARTY OF THE	-	018	20	158 (1)	SOUR -	PÓ N	Ales HCS
2. Depress F2, then F8.	3 4			S	Y	S	•		G	R	0	U	Р						-
kin dipakah minjan jegapan per untuk mengahan kanan 19 den dagan pepada apada 1962 - 1944 ti sanan pepada 196 Kanah mendalah mengan penda danah mendalah mendalah mendalah mengan mendalah mengalah pendah pepada pendah me				Ш											-		ξ1,	15	- 1
3. Depress F15.	and the second s	againstala e conserva annigo profesionis			D	E	L	Α	Y		Α	N	N	0	U	N	C	E	I
Bri Coli Tari Eri S	rij im		العا	T	R	U	N	+	-	?			1		_	-	-	n e	-
																	183	TU	3/3
Enter the trunk number to	be assig	med (01	~40).		D	E	L	Α	Y	151	Α	N	N	0	1	N	-	E	
Example: Trunk 2.		4.31		T	R	U	N	K	0	2					Jan	dith	8188	(0)	
												BT.	EN						
5. Depress L1 as required to a	llowor	disallow	Delay			7.8													
Announcement.										co in									
	418	ABC 7										II. D							
B. Depress ENTER key (See N	Note 1).		Beaution of the Control of the Contr																
	Onel I	Jan.	o Gr																
7. Depress SPKR key to go ba	ck on iir	1e.	Charman																
	Yave	YUT	100																
1.8/4																			
619	Me .																		
Special Property Services	and the second	Benned	- Marian																
L ora LL																			

#### GENERAL INFORMATION - VOICE MAIL HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign VMI port extension numbers to the Veice Mail Hunt Group. If no VMI-E ETU is installed, memory block 4C1 should be programmed BEFORE 2C4.

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ı	e D	V D	K	EY	FU	NC	TIC	N (	OF	FLI	NE	)				Г													
		KR L#						be r	orogi	ran	ıme	rd	131			+	315		RORM	17		- 8	33		30	BE	Y S	ON	a
	F/V	V - I	ncr	eme	nts	ite	n n	ıml	er	CALL																			
		EAL		Ent	pre	000	ha	G -	nme	mé			li conserva		37														
į	B/V	V - I	)ecr	eme	r.s	trui	nk n	um	ber	116				Lo		$\vdash$													
		GU	מוו	E T	) F	FA.	THE	2F	PRO	G	A	AAA	ALKI	6		H										.01	TII I	to of	
1	IEMO	ORY BL			D2.35				THAT	047.20	24.75.22	mF.Th	CK TH	2.77	IAY	F													
P	ROGI	MMAS	ED	-	100	3200	E PRO	GRAN	MED	НА	VE TO	BEP	ROGA	мма	ED	F		7 [			1	_		20		- Total		1 0	
1		L.			20	<u>C9</u>				21	D1	20	)2			L	L1	11	L2 L	.3	l L	4	L	5	(a)	6	L7	JL	L8
	2	C	)		_			property.		-	Salari yan	in the second				-													
L		100			1_								G		П	F		-			, ,		_		_	The same		7.6	
(	CP	U-E	В3	or b	igh	er.				F			g		U	1	L9		L10 L	.11	] [r	12	L	13	F	14	L1!	5 [1	.16
1	VO	TES	)																										
1		Dep	res	sing	h	e E	NTI	cR :	key	cau	ses	the	e di	spla	ay				er to be				i In	D (8)		02.9		dn B	
		to ir	ncre	mer	it to	th	e ne	xt t	runl	k ni	uml	er.	g		Tu		MIC		TEU#		CLEA	-		The second		10)		F11	and the same
																1		_		1		_		F2	1	2)		F12	_
		1														15	SPICE		E FAW		ENTE			F3				112	
		ā				<u>A</u>	4				200	rindeside	0		V	1	8 -	- g	chosen (	100	214177	3		F4		Jari		F13	
	100			Laf.						2.			L.		Ш	Ir		7	ABC ABC		DEF		rt I	F4		Q ::		714	
		production of the same of the							pineriota apar							11		1	2			3		FS		,			
	4	of mirror		A.	0	2	A	T					Q.		U	1		-	Processor and Pr		Note	995		F6		Bank	5)	F15	٦,
	X	Ð.	Ŀ		8	A				El	0		q	10-	Ш	IL	н	4	JKL 5		MNO	6						F16	
																1_								F7	4				$\overline{}$
				A S			J. d	1 8		sb.				1 8	100	1	RS.	7	TUV 8		WXY	9	67	F8		(c)	234	F17	
																-						2	4 4 62				2211	F18	
																IT		7	OPER	lm	0.70	0	B 0	- F9		SPP.	2500	F19	78
																1	1	k			7	E		F10	0			713	
																					B/W				L		Ш	F20	

### GENERAL INFORMATION - DELAY ANNOUNCEMENT ASSIGNMENT

This area of memory block is used to program the Delay Announcement feature for each desired trunk.

MEMORY BLOCK 2C6 - UNIFORM DIAL ASSIGNMENT  OPERATION	AN		rr'		IK		2000	SE, 25 den		CO.		2813	2	4	P	W. Salan Sal
1. Go off line.	AN	O P	F	F	- G	L R	Inc.	N M	E	gaci	( M	X	D	X	X	)
2. a Depress F2, then F8.1 [43 [53] [5]	S	Υ	S	13 •	790N	G	Total Control	0	Distance of the last	P	<u>12</u> 23	inic	15 20	D. R. YI	TO NO	- The state of the
3. Depress F16, [811] [811] [111] [011] [011]	U	•	D	•	?	?		Т	R	K	•	A	. 23	C	-3. 193 03	G
4. Enter the uniform dial item number to be assigned (01 ~ 20). Example: 02. (See Note 1).	U	•	D	•	0	2	inn Ya	T/1	R	K	16	A	5 <b>(</b> )	G	• X	G
5. Enter Trunk Access Code Group Number to be assigned to Uniform Dial Number chosen (2 ~ 8). Example: Dial 4 for Trunk Access Code Group 4.	U	•	D	0	0	- 2		T -	R	K	•	A		C	4	G
6. Depress ENTER key. (See Note 2).	U	-	D	-	0	- 3		T -	R	K		A		C	• X	G
7. Repeat Steps 4 and 5 to assign all Uniform Dial Number.	ımbe	rs	requ	iire	d, o	r de	pre	ssī	EL	# to	as	sign	n a			
8. Depress SPKR key to go back on line.	And the second s															

#### GENERAL INFORMATION - DELAY ANNOUNCEMENT ASSIGNMENT

. This area of mettory block is used to program the Delay Announcement feature for each desired trunk.

- Commission and American

SPKR - ON/O TEL# - Select F/W - Increme CLEAR - Clea ENTER - Ente	FUNCTION (OFF F Line S Uniform Dial No ents Uniform Dial ers previous assign rs each assignments Uniform Dial	mber Number ment t	EMORY BLOCK SC7 - NIGHT CHIME.  Co offline.
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	FEATURE PRO MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
2C6	2E1 U Q 9	2C1, 2C3 4E1 ~ 4E10	L1 L2 L3 L4 L5 L6 L7 L8
2. Depressing	the ENTER key	causes the display niform Dial Item	MIC TEL # CLEAR  F1 F11  SPKR FAW ENTER F3
Yote 9)	ma selected. (See	aups to the night and	ABC 2 DEF 3 F5 F13
	3 M I H 2	NIGHT	GHI 4 5 (E MNO 5 08) F6 F7 6 F7
adiorección descripción de presidentes.	o santo la come de care de come de la come d	be.	PRS 7 TUV 8 WXY 9 F8 C
			# OPER # 01 (9 F10 ) 511 8   F19

# GENERAL INFORMATION - UNIFORM DIAL TO TRUNK ACCESS CODE GROUP ASSIGNMENT

This area of the memory block is used to assign Trunk Access Code Groups to the various Uniform Dial Numbers required. With Tie Line service, this assignment determines which trunks will be used when accessing uniform dialing.

MEMORY BLOCK 2C7 - NIGHT CHIME	SSIGN		T								217		
OPERATION <	AND -		lmuV	<u> </u>	OIS	PL		eir LEI		120			
1. Go off line.	THAT WAR	0		I A	N M	E	M	(0	X		X		
2. Depress F2, then F8.	S Y S		G			U	Р	2			0	5	
ari ari ari [eri [sri] [rri] [ori] [ei] 3. Depress F17.	N I G	Н	T 7	С	Н	1	M	E	n ad	88	3.1	91	
LIME LOSSES CONTRACTOR OF THE	ssigned		riedm	dno univ	ı Gr	l m	ss C	800	ult. A al	efa	By c		
4. Dial the night chime number being assigned (1~3 Example: Night Chime 1. (See Note 1).	N I G		I en rolin	C	H	edi edi	M.	₫.	eni sue	1901 1901	Den io is		1
Depress L1 to L8 to assign the appropriate Trunk (	roups to th	e nigl	ht chi	me s	ele	cte	ł. (S	See	Not	e 2)			
3. Depress ENTER key. (See Note 3).	N 1 G	Н	Т	С	Н	1	M	Ε					2
7. Repeat steps 5 and 6 for all night chimes to be assi 3. Depress the SPKR key to go back on line.	ned.												

# GENERAL INFORMATION - UNIFORM DIAL TO TRUNK ACCESS CODE GROUP ASSIGNMENT

This area of the memory block is used to assign Trunk Access Code Groups to the various Uniform Digit IVambers required. With Tie Line service, this assignment determines which trunks will be used when accessing uniform dieling.

"The Proposition one ordinal

santa na a

SPKR - ON/OI	UNCTION (OFF	LINE)	REMORY BLOCK SCS. EXTERNAL BIN
TEL#-Enter	new Night Chime		
F/W - Incremen	t Night Chime nu		
CLEAR -	se DISPLAY	AMD, secondary seconds	
	ers each assignme at Night Chime nu	The state of the s	
Di W - Decrettie	it right Offine it	All	. Co off line.
GUIDE TO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	
	2C1, 2C9	al lalvis	L1 L2 L3 L4 L5 L6 L7 L8
2C7			AN ESSENTIAL A COT PAINT.
All CPU levels	N 6 N	EXT RI	L9 L10 L11 L12 L13 L14 L15 L16
	Night Chimes tenants (1-3).	(1 ~ 3) that are	MIC TEL# CLEAR F11
Chimes, lin		Froups to the Night rrespond to Trunk	SPKR FW SENTER 3 53 F13
LED OF		to Night Chime ned to Night Chime	187 ABC 10 1 DEFUE to add to appropriate add [F14]
<ol> <li>Depressing display to in</li> </ol>	the ENTER ke	ey will cause the xt Night Chime.	GHI JKL 5 MNO F6 F16
4. Trunk grou will not acti	s associated with vate the external	DIT or DID trunks chime contacts.	PRS 7 TUV 8 WXY 9 F8 C 7 F18
	N G L	EXT RI	* OPER (4 530V) and F9 . TV/S and F19
			B/W   F20

#### GENERAL INFORMATION - NIGHT CHIME ASSIGNMENT

Repeat stops 5-7 for all subsequent External Ringing Centrols, to be assigned, or depress I EL # key to

This area of the memory block is used to assign the Trunk Groups to any or all of the 3 available Night Chime circuits to provide a relay contact closure to connect external common audible ringing, when the tenant is in night mode.

OPERATION <	- AN	D ·			190	$\rightarrow$	-	DIS	SPI	AY				AA Na	IN.	
. Go off line.		O P	F R	F O	- G	L R	I A	N	E	M	(	X	Ē	Х	Х	)
Depress F2, then F8.	S	Υ	S	12.88	01 fv	G	LCG-08	0	U	-				CD	MDS S	
ati eti ati Eti Eti Eti eti ei	E	Х	Т		R	1	N	G				1151	191	32	101	
[8852] [887] [306]	N	0	eda	3)		1)	0.00							ins.		Total Control
Dial the number of the External Ringing Control circuit being assigned (1~4).  Example: Ext Ring 1. (See Note 1).	E.	X	T	E	R	V	N A	L	X	e t eye	101	dil 3 -	891 891	upri	-	1
Dial the number of the desired ringing interval (1~5) to be assigned to this External Ringing	E	X	T	Di	R	I	N	G	2			10	Ø3.			1
Control circuit. Example: Interval 2. (See Note 2).	81			10 1	liw									lepr		8
Depress L1 to L8 to assign the appropriate Trunk G (See Note 3).														elec		
Depress ENTER key. (See Note 4).	E	X	T	E	R R	I V	N A	G	2							2

- 9. Depress the SPKR key to go back on line.

#### CENERAL INFORMATION - NIGHT CHIME ASSIGNMENT

This area of the memory block is used to assign the Trunk Groups to any or all of the 3 available Might Chime circuits to provide a relay contact closure to connect external common audible ringing, when the

The subject of the Market and the state of the

" has an and a second s

KEY FUNCTION (OFF LINE)	REMORY BLOCK 209 - ECR. RELAY AS HEN
DE LES COLLEGES	TATA TORIGA B SATTING BRIDGE AND PRINCE SALVES BUILDING
TEL # - Enter new Ext. Ring Control circuit #	
F/W - Increment Ext. Ring Control circuit #	
CLEAR - Clears the interval assignment	
ENTER - Enters each assignment	
B/W - Decrement Ext. Ring Control circuit #	U 1000 11
GUIDE TO FEATURE PROGRAMMING	
MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THA	
PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAM	
	L1 L2 L3 L4 L5 L6 L7 L8
2C1, 2C9	
2C8	
RELIAY ASSIGNAL	L9 L10 L11 L12 L13 L14 L15 L16
All UPU levels.	
NOTES: STORY ALJ	3 R E
1. There are 4 External Ringing Control cir	cuits F1
(1-4) that any or all of the Trunk Groups (1-4)	3) can MIC TEL# CLEAR F11
be assigned to.	71 (2) 131 (1) 131 (2) (2)
	114 000 1 TO 3010 1 TO F12
2. Each External Ringing Control circuit ca	n be SPKR FAW ENTER F3
assigned one of five ringing intervals (1	~5).
During step 4, the previous interval assign	
is displayed.	1847 Dat Chin External Ridgo x Dei 284
INTERVAL	Marie Ingeline Stand Stand Stand Stand
NUMBER RINGING PATTERN	Cos (515)
	GHI IKL MNO
1 0 1 1 2 0.5 sec. ON / 0.5 sec. OFF 2 1 sec. ON / 1 sec. OFF	A TA TO BE TO SETTLE OF TO THE BUSINESS OF THE SET OF THE PARTY OF THE
3 2 3 M 2 sec. ON / 2 sec. OFF	A DIELEC JUSTI SIGULAND VOICE ILD 81 39 1 517
4 0.5 sec.ON / 0.5 sec. OFF	PRS 7 TUV 8 WXY 9 F8 C
0.5 cac ON /2.5 cac OPP	(8) 518
5 Continuous (Always ON)	15 9305, 99C) AB3 1 157 N 10am V
SISTEMATO A STATE	* OPER # F19
3. When assigning Trunk Groups to the Exte	rnal # F10
Ringing Control circuits, L1-L8 correspon	d to B/W F20
Trunk Groups 1~8 respectively.	

 Depressing the ENTER key will cause the display to increment to the next External Ring Control circuit.

= Assigned

LEDOFF = Not assigned

LED ON

 Trunk groups associated with DIT or DID trunks will not activate the external ring contacts.

#### GENERAL INFORMATION - EXTERNAL RINGING CONTROL ASSIGNMENT

This area of the memory block is used to assign Trunk Groups to any or all of the 4 available External Ring Control circuits and to assign each of these circuits distinctive ringing control/intervals (1 of 5 available patterns).

OPERATION <	AND			dia	ibai	3 10	Co.	DI	SP	LA	Y	inter			WV	
1. Go off line.		O	F	F O	G	L	I A	N M	Ε	М	(	X	175	Х	X	)
2. Depress F2, then F8.	5	Υ	S	0.19	alpa	G	R	0	U	P		INC	76 XX	0.36 V/	10747	
Depress F19.11 [813] [813] [813] [813] [813]	R	E	R	E	L	A ?	Y ?		Α	S	S	1	G	N.	101	1
Dial the number of the relay being assigned (04~10). Example: Relay 04. (See Note 1).	R	ins 8/8	12 .	A	S	G	N	9(0.0	101	R	Ε	L	10.0	Υ	0	4
Depress L1, L2, or L3 to assign the selected relay	R		) si	Α	Jo.	lou.	N	igi nir blv	rig:	R	0.00		19.10	Υ	5.	4
to Night Chime, External Ring or Delay Announcement respectively. Example: L1 (Night Chime). See Note 2.	N	1	G	H as:	T	9	С	H OV	I.	M	E					
Dial the number of the Night Chime (1~3) to be assigned to this relay. Example: Night Chime 2.	R	1	G	А	S T	G	N C	Н	8.0	R	E	L	A 2	Y	0	4
Depress ENTER key. (See Note 3).	R		MD MD	A V	S	G	N	N	T	R		L	Α	Υ	0	5

GENERAL INFORMATION - EXTERNAL RINGING CONTROL ASSIGNMENT

display to increment to the next External Ring

while the the same of the same

This area of the nemoty block is used to assign Trunk Groups to any or all of the 4 available External Hing Control circuit; and to assign each of these circuits distinctive ringing controlintervals (1 of 5 available patterns)

Self-transfer of the self-transfer of the con-

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TWINN OF A TEL # - Enters new relay number F/W - Increments relay number CLEAR - Clears assignment (See Note 1) ENTER - Enters each assignment B/W - Decrements relay number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L8 2C7, 2C8 2C5 2C9 L9 L10 L11 L12 L13 L16 All CPU levels. (See Note 2.) NOTES: 1. Although there are a total of 10 relays (1~10), relays 1~3 are permanently assigned to External MIC CLEAR F11 Page zones 1~3. 2 F12 During step 4, any previously assigned £3: F/W ENTER 01 function for the selected relay will appear. If SPKR F13 there was no previous assignment, the display 54. will show VACANT. F14 ABC £5: 2. If L2 (External Ring) is depressed, a number F15 from 1 to 4 has to be entered. If L3 (Delay F6 GHI MNO Announce) is depressed, no additional digits F16 are required, and you proceed with step 7. 6 SEX. (CPU-EB3 or higher.) F17 WXY C F8 3. Depressing the ENTER key will cause the F18 display to increment to the next relay number. 19 OPER 9 F19 4. Trunk groups associated with DIT or DID F10 trunks will not activate the External Chime or BAW F20 External Ring contacts.

#### GENERAL INFORMATION - ECR RELAY ASSIGNMENT

This area of the memory block is used to assign either Night Chime (1-3), External Ringing Control (1-4) or Delay Announcement functions to control relays 4-10. Relays 1-3 have a fixed assignment to External Page zones 1-3.

OPERATION  OPERATION	AN.				0.71	71.0	rber T		SP	LA	Y		per			
1. Go off line.	E	O P	F R	F	G	L R	1	N M	E	M	(	X	E (	-	X	)
2. Depress F2, then F8.	S	Y	S	089	# 780 E 01	G	R	0	U	P	S.	Α	S	E	77.00 0.7.00 0.7.00	CHR
Depress F20.	v	V	Ε	?	A ?	S	S	1 2	G	N	(8)	ale	ve!	US	/ 3  0	LA
4. Dial number of VE (01 ~ 48) being assigned.  Example: VE 01. (See Note 1).	E	V	E	Е	A	S	S	0	-	N	1000	<b>?</b>	?	<b>E</b>	91	1
5. Dial extension number to be assigned to the VE number chosen. Example: Extension 200. (See Note 2).	E	V	E	E	A	S	S	0	G	300	2	-	0	É	0	1
6. Depress ENTER key. (See Notes 3 & 4).	E	X	- 20	Ē	A	S	5	0	G	+	X	X	V	(E)	0	2
7. Repeat steps 5 and 6 for all subsequent VE numbe Virtual Extension.  8. Depress the SPKR key to go back on line.		9.6		81) ii ii 11) ii	io (	ilw leat	vez iezi	R k	ST tot	EN ent		ine ine	od v	and share	0e dis dis	

#### GENERAL INFORMATION - ECR RELAY ASSIGNMENT

This area of the riemory block is used to assign either Night Chinas (1-3), External Ringing Control (1-4) ar Delay Announce sent functions to control relays 1-10. Relays 1-2 have a fixed assignment to External Page zones 1-3.

	UNCTION (OF	FLINE)	
SPKR - ON/OH		NMENT I	ERMORY BLOCK 2DI - TIME BASE ASSI
TEL# - Select			
F/W - Incremen	nt VE ar extension numb		
ENTER Ente	er each assignmen	er	
B/W - Decremen	nt VE	16	
- A Secreme			in the office.
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
			L1 L2 L3 L4 L5 L6 L7 L8
2C10	THE THE REPORT OF A		
2220		S     2   kg   4	
All CPU levels		2 3 9 9 3	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:			
Talalala	Tel TeleTa	Tell Industrial	
<ol> <li>During step</li> </ol>	4 any previous	extension number	Deprey time at the liens to be
assigned to	a VE number ch	nosen is displayed.	MIC TEL # CLEAR - F11
	er of VE numbers of stations install	is 48 regardless of	12 (2)
the number	of stations install	ed.	
2. Extension n	umber entered i	n step 5 cannot be	SPKR FAW ENTER SIGN BEST TEV SOL DEBIC
already ass	gned to a port	or to another VE	EN The Caust 02, for a total of 20
number.			Fig. 1986
3 3 2 0	1 3 3 5 6	IN IN MALE	1 2 (Sep 3 and ) 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		y will cause the	F15
display to i	ncrement the VE	number.	GHI IKL MNO F6
4 10	Trong to to		4 5 6
		ogramming for that be done until the	Range steps I more or all items required.
extension is		e done until the	PRS TUV WXY
envellativit ta	A MARKEY		7 8 9 0 18 C dd 18 F18 C
			OPER 44 F19
			* III (10) III
			B/W F20

#### GENERAL INFORMATION - VIRTUAL EXTENSION ASSIGNMENT

This area of the memory block is used to assign Virtual Extension numbers. The total number of Virtual Extensions is 48, which are extensions 200-247 in system default.

MEMORY BLOCK 2D1 - TIME BASE A	SSIC	IN	ИE	NT	ľ											
OPERATION <	– AN	D -					>	D	SP	LA	Y		0.00	Inc R-	- 74	
1. Go off line.		0	F	F		L	1	N	Ε		(	Х	197	Х	X	)
		Р	R	0	G	R	A	M		M	1	D	and the last	HU	<u> </u>	19.17
2. Depress F2, then F9.	S	Y	S	DA1	0.01	Т	1	M		E) E	В	Α	S	Ε		0/1
An entre granting at the entre plant in grant to the destruction of th													1	<del>                                      </del>	25	
3. Depress F11.	T	-	M	Ε		В	A	S	Е		1	0	S	E	C	
Printed framework Continued framework printing framework	D	E	P	R	E	S	5		L	1	N	E	rv o	K	E	Y
4. Depress line key associated with the item to be	T	L	М	E	Ī.,	В	A	S	E		1	0	S	E	C	- F
changed (associated LED lights).  Example: LK 8 - Call Forward No Answer.  (See Note 1).	F	W	10000	ub 188	N	à a				av						X
5. Dial count value to be entered (01~99).	Т	Ti	M	E		В	Α	S	E	0131	1	0	S	Е	С	
Example: Time Count 02, for a total of 20 seconds. (See Note 3).	F	W	100000	85 100	N	0		Α	N	S	LLIII S. P. T.	3	DIR V	101	0	2
5. Depress ENTER key. (See Note 2).	Т	Ti	M	E		В	Α	S	E		1	0	S	E	C	
	E	X	Н	0	L	D	, S.X	R	E	C	Α	f.	L	ฮาตุ อไต	Χ	X
7. Repeat steps 5 and 6 for all items required.		hat the									dati					4
B. Depress the SPKR key to go back on line.													1101			

#### - GENERAL INFORMATION - VIRTUAL EXTENSION ASSIGNMENT

This area of the memory block is used to assign Virtual Extension numbers. The total number of Virtual Extensions 48 which are extensions 200-247 in system default.

Selected State of the Company of Security Section

JAY BURELLAND MELLER STREET

the same of the sa	FUNCTION (OFF LINE)	NESS OCCUPANTA DA NOS TONORES
SPKR - ON/O		MORY BLOCK 2D2 - TIME BASE ASSIC
TEL # - Selects		
F/W - Increme	nt to next timer	N/A
CLEAR -	***************************************	
ENTER - Ente	ers each timer count	
3/W - Decreme	nts to previous timer	Go off Han.
GUIDETO	FEATURE PROGRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT MEMORY BLOCK THAT MAY	
ROGRAMMED		
	MUST BE PROGRAMMED HAVE TO BE PROGRAMMED	L1 L2 L3 L4 L5 L6 L7 L8
		L1 L2 L3 L4 L5 L6 L7 L8
2D1		
3 7 7 7	1. 13 2 A 8 1 3 M 11	
		Uspress 112
All CPU levels	(See Note 1.)	L9 L10 L11 L12 L13 L14 L15 L1
NOTES:		다 맛이 되었는데 바람이 아니다 그 때문에 되었다.
L3 Delay (CPU L4 Start L5 DSS/I	Park Recall 3 min Announce Auto Release J-EB3 or higher) 10 min time (SMDR) 20 sec	SPKR FAW ENTER (8 530 / 62) 850 F13 F14 T 2 3 F5
L6 Non F	x-Hold/Transfer (Camp-On)	GHI JKL MNO F6
L7 Auto	callback/Trunk Queuing	F1
나는 기업이 그가 그리면 점점 하지?		PRS TUV - WXY - O TO TO TO THE PROPERTY OF THE
cance	20 sec.	
L8 Call f	rward/no answer 20 sec.	7 8 9 F8
L8 Call for L9 Exclu	sive hold recall 1 min.	7 8 9 F8 F18
L8 Call for L9 Exclu	sive hold recall 1 min. nal page access 5 min.	7 8 9 F8 F18
L8 Call for L9 Exclusion External L11 Internal L11 Intern	sive hold recall 1 min. nal page access 5 min. al page access 1 min.	7 8 9 F8 F18 F18
L8 Call for Exclusion L10 Exter L11 Interrulation L13 Valid	sive hold recall 1 min. nal page access 5 min.	7 8 9 F8 F18 F18 F19

- Depressing the ENTER key causes the programming to move to the next item associated with the next line key.
- Time out = time base (10 seconds) X count (01~99).

#### GENERAL INFORMATION - TIME BASE ASSIGNMENT I

This area of the memory block is used to assign time out counts to various system base timers. Refer to Section 350 for explanation of each timer.

BASE x COUNT = VALUE

							ijit_i(meri				oni				185	
OPERATION -	ND					->	- <u>I</u>	ois	PL	AY	01			E.		E ID
		0	F	F	-	L	1	N	E	3024	(	Х	4	X	X	)
Go off line.		P	R	0	G	R	Α	M		M	0	0	Ε			
egint kan di sejangan saktungan sakt			200	13/2	101.5	SEES!				8000			11,12k2	2018	7507	sik
Depress F2, then F9.	S	Y	S	Gat.	103	T	1	M	Е	1313	В	A	S	E	6.A.A.	0.95
										-				K	2.0	
Depress F12.	T	1	M	E		В	Α	S	E			1	S	E	C	
[19] [11] [112] [113] [114] [115] [116]	D	E	P	R	E	5	S		L	r.L.	N	E.	Uni	K	E	Y
	-	Τ.		-	_	-		-	-					: 6:	110	N)
Depress line key associated with the item to be changed. Example: LK1 - MFR Time Out. LK1	1	1000	M	E		В	A	S	E	20.00	12.2	1	S	E	C V	
LED lights. (See Note 1). A6343 9 170 346	M	F	R		IT.	11	M	E		0	U	L		0.755	X	X
Dial count value to be entered (01 + 99).	T	Į,	M	E		В	Α	S	E		s	1.	S	E	c	
Example: Time Count 10 for a total of 10 seconds (See Note 3).	M	F	R		T	1	M	E	ille.	0	U	T	00 00	-	1	0
Depress ENTER key. (See Note 2).	T	Fr	М	E	Π	В	Α	S	E	10 E	EX ct.	1	S	E	C	Г
Debress Birt Birkey, (See Note 2).	T	A	L	K		S	-	A	R	Т	TJ	IVS.	ed		X	X
		seat.	-									ila				
Repeat steps 5 and 6 for all items required.					9-91				arT		H-x					
Advantages 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							Qu	almi	nΤ			iles o o d			۲J.	
Depress the SPKR key to go back on line.	9.												で発記 1つ		BJ	
123		sèc min									sw:				67	
											g la					
	1										aq la				u	
please and the second s								EME							HJ	
Les L. L. L. M.															Li	
			. 8.		134.1	190									HJ	

#### GENERAL INFORMATION - TIME BASE ASSIGNMENT!

This erea of the memory block is used to assign time out counts to various system base timers. Refer to Section 350 for explanation of each timer.

TO THE TOTAL CONTROL OF THE PROPERTY OF THE PR

KEYF	UNCTION (OFF	LINE)	
SPKR - ON/OF		THE TAINTIEN	emory block 2D3 - Time base assign
TEL # - Select			
CLEAR -	etween the two ti	mers	AM:
	r each timer coun	t value	
	tween the two tir		
THE RESIDENCE OF STREET	UM MIA	THE DICES Y	Go off line.
	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED 2	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	The state of the s
			L1 L2 L3 L4 L5 L6 L7 L8
2D2			
M I M I	1 7 2 4	a a Mir	27/2
Y. BLOU .	M E I	2 3 8 6 3	L9 L10 L11 L12 L13 L14 L15 L16
All CPU levels. NOTES:	(See Note 1.)		[6] [22] [23] [23] [23] [23] [23] [23] [23
NOTES.			[대][[[[다 다 다 [[] [[] [[] [[] [[] [[] [[] [
LINE KEY L1 MFRT L2 Talk St	TIMER ameout art Timer d Ringing (CO line		F2 2 F12 SPKR FNW FNTER STATE F3 F13 F13 F14
	d Ringing (Extens	ion) 15 sec.	1 2 3 F5 TVIES F15
	ail Automatic Di		4 6 03 VAN ALA B WILL OF F16
	nnounce Start (C		PRS TUV WXY F17
programmi		key causes the the next item ey.	* OPER # F9 D F19
3. Time Out = T	ime Base (1 sec.) X	Count(01~99).	8/W F10 F20

that the Vising Manager of Manager

#### GENERAL INFORMATION - TIME BASE ASSIGNMENT II

This area of the memory block is used to assign time out counts to MFR and Talk Start base timers. Refer to Section 350 for explanation of each timer.

BASE x COUNT = VALUE

FAR.
XX
HANT THE
Enterna
I N
KE
N L
- 0
I N
- 0
(C 4 D
9) V - 8, 32
6 D
si O

#### GENERAL INFORMATION - TIME BASE ASSIGNMENT II

This area of the semony block is used to assign time out counts to MFR and Talk Start base timers. Refer to Section 350 for a openation of each timer.

BASE x .: OUNT = VALUE

Man to a street of a service and

	UNCTION (OF	Aller San and Charles and Char				
SPKR - ON/OH		S CODE: ASSIG	61333		<u>KORY BLOCK 21</u>	<u>GHN</u>
TEL # - Selects	line key					
CLEAR -	LASTEIG					
AND DESCRIPTION OF THE PARTY OF	ers timer count va	1				
B/W - X	ers umer count va	lue				
2010	3/1 27 27 27	ELECTRONISMS				0 .1
GUIDE TO	FEATURE PRO	GRAMMING				
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	L1	L2 L3 L4	renorea Grenor	10
2D3				L2 L3 L4	L5 [L6] [L7]	L8
	1000	2223334	Landard T	on Buttone Charles	Laurenger P. L. San Sunt	n r
CPU-EB-2 or h	igher level.	N B T L	L9	L10 L11 L12	L13 L14 L15	L16
1. During step	4 the display show	vs the current time		item to be set.	The Problem of the Control of the Co	<b>a</b> .≱
X Xcount.	AISLLLIA	NATERN	MIC	TEL # CLEAR	topie: itentis: (Se	11
					F2 (2)	
LINEKEY	TIMER	DEFAULT		JOSEPH COMMENT	o place loss was de	12
3 3 3 3	Automatic		SPKR	F/W ENTER	F3	2
erer transi	Disconnect	M 8 3 60 min.		55. (See Note 2).	Shannan A 3	13
2. Time Out =	Time Pass (10	22/2004/00/00/00/00/00/00/00/00/00/00/00/00/			F4	
SIMILE	Time Base (10 count (01~99	A C C EX Sully		ABC 3 (8 DEF	<ol> <li>Accessor (1997) 11 11 (1997) 11 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15</li></ol>	14
X X . 3 5	A G I A			2 3	F5	
hate shared a decrease when the sale of the sale	or the state of the same of th				F1	15
			GHI 4	JKL MNO	F6	
ecific item.	key to assign a vo	ed, or depress TEL #	1004	و افسان اکستان	old bag capas is the	16
					F7 F1	
			PRS 7	wxy	apress the S [16R] ex	<u> </u>
					FI C	18
				OPER	F9 (D)	
			*	0 #	F10	9
				BAW		0 ]
			hukis Nor			

### GENERAL INFORMATION - TIME BASE ASSIGNMENT III

This area of the memory block is used to assign the time out count for Trunk to Trunk Transfer Automatic Disconnect. Refer to Section 350 for an explanation.

BASE x COUNT = VALUE

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OPERATION	AN	D -					>	DI	SP	LA	Y			RA	3.3	
Go off line.	F	O	F	F O	- G	L	1	N	E	M	(	X	E	Χ	X	)
and the second of the second s	-	II -	IX	, v	9	IX.		ivi	10 (10					ESLES SUIDAN SUIS Y	BC NO.	8100
Depress F2, then F10.	S	Υ	S	9, 34	27.20	Α	С	С	Ε	S	S		С	0	D	E
	悎													EL	12	
B. Depress F11. See System Feature (Access) Code	A	C	C	E	S	S		C	0	D	Ε					
List of this section.	П	IT	E	M		N	U	M	В	E	R	?	?	131	PU	D.
. Dial the number of the item to be set.	A	C	С	Ε	S	S		C			1	Т	E	М	2	3
Example: Item 23. (See Note 1).	1	N	T	E	R	N	Α	L		P	A	G	E	(94/0	X	X
Dial new access code, or depress CLEAR key for	A	C	C	E	S	S		C	II		1	Т	Ε	M	2	3
VACANT. Example: Access code 55. (See Note 2).	L	N	Т	Ε	R	N	A	L	202	Р	A	G	E	-	5	5
Depress ENTER key. (See Note 3).	A	C	C	E	S	S	117	C	1.0	III.	1	Т	E	M	2	4
Security Sec	E	X	Т	E	R	N	Α	L		Р	A	G	E	-	X	X
7. Repeat steps 5 and 6 for all subsequent items requ	ired.	or d	epr	ess'	TEI	L #	key	to a	ıssi	gn a	sp	eci	fic i	tem		
production and the second seco																
Depress the SPKR key to go back on line.																

## GENERAL INFORMATION - TIME BASE ASSIGNMENT III

This area of the memory block is used to assign the time out count for Trusk to Trunk Transfer Automatic Disconnect. Refer to Section 350 for an explanation.

BASE x COU VI = VALUE.

#### KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Allows item number selection F/W - Increment item number CLEAR - Clear access code ENTER - Enter each assignment B/W - Decrement item number **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L8 2E1 L10 111 L12 L13 L14 L16 All CPU levels. (See Code List on next page.) NOTES: Call Forward Busy No 1. During step 4 the display shows the previous F1 Access Code assigned to the item chosen. 1 CLEAR F11 MIC 2 2. The Access Code entered in step 5 cannot F12... already be assigned to another Access Code F3 F/W ENTER SPKR number or be associated with the Station F13 Numbering Plan. F4 F14 3. Depressing the ENTER key causes the display F5 to increment to the next item number. F15 F6 4 F16 F7. F17 TUVTO FB F18 F9 F19 B/W F20

#### GENERAL INFORMATION - SYSTEM ACCESS CODE ASSIGNMENT

This area of the memory block is used to reassign the feature Access Codes of the System. For a list of the Access Codes, refer to the page immediately following.

150.000.000		ber selention	SPKE ON/OFF Line TEL # - Allows tem panel
	SYSTEM FEATURE (AC		IST mest inemers of - WY
		40.000	CLEAR - Clear sucess co ENTER - Enter sech assi
LEXIBLE CO	DES:		B/W - Decremen: item nun
ITEM	FEATURE	DUIMMARDODEFA	GUIDE TO FEATHUR
03	BGM over station speaker		Se Anomam Duise Social Anoma in
04	Call Forward All/Originator	GOWERTH DOLL STATE OF THE STATE	TORR METRUM COMMARDOS
05	Call Forward All/Destination	4	7
06	Call Forward All/Attendant	4	281
071 211	Call Forward Busy No Answer/Or	iginator 4	2
08	Call Forward Busy No Answer/De	stination next sall a	VII CPU levels. (See Cod
09	Call Forward Busy No Answer/At		5
13	Call Park	clay shows the previous	During step 4 the dig
14	S Call Pickup/Directed	o Une item chosen.	Access Code saigned &
15	Call Pickup/Group	gred in step 5 cannot	The Access Code en
17	Ex-Hold, SLT	another Access Code	already be assigned to
A 7 013	Internal All Call (Non tenant)	THE PARTY STAR THE TANKER	Numbering Plan.
ME	Internal Call Zone 1 (Non tenant)		Detroited and Secretary
23	Internal Call Zone 2 (Non tenant)	key causes the display	20 indicate of the carden
English participation of	Internal Call Zone 3 (Non tenant) Internal Meet-Me Answer (Non te	nant)	
215.]			
	External Call Zone 1 (Non tenant)  External Call Zone 2 (Non tenant)		
24	External Call Zone 3 (Non tenant)		56
Latti	External All Zone (Non tenant) External Meet-Me Answer (Non t	anant)	
26	Night Call Pickup		30
27 053	Night Mode		38
Andreas productive strategic strateg	i partimon proprio material para fariga de la papa de material de la proprio esta esta considerar en compresed		58
29	Station Speed Dial Program for Si	하고 있다. 그는 학생님 그들이 하지만	31
30 31	Station Lockout Station Lockout Cancel from Atte		11.
	(CPU-EB or higher)		62
32	Special Code Program Change (St	ation Lockout) TAMAC	GENERAL INP
34	Trunk and MFR Select/Test	(	37
35 to dail a	There is a said to be believed but the actor	lock is used to reassign the	ns area of the memory.
36	Extension Number	me arear from marrian after	I .
37	Extension Number		2
38	Extension Number		3

i oktobio istorio.

	39	Trunk Access Code 2	MEMORY BLOCK 382 -
	40	Trunk Access Code 3	70
	41	Trunk Access Code 4	OPERATESN
17	42	Trunk Access Code 5	72
	43 X · X ) 44 3 0 0 M	Trunk Access Code 6	73 ealline O 1
		Trunk Access Code 7	74
T	45	Trunk Access Code 8	75
	46	Automatic Call Back/Trunk Queue	Z. Depress F3. 1+
	47	Callback Request Message	#
	50	Tone Override/Attendant Override	* 0
60	~79	Uniform Dial (CPU-EB2 or higher)	Not Assigned
	90	Voice Mail Hunt	63
-Fu	91 ZA AT	Voice Mail Message Waiting	54
Y	92 × 3 4	Hookflash to CO (SLT only) (CPU-EB2 or higher)	Not Assigned assigned
	93	CO Release (SLT only) (CPU-EB2 or higher)	Not Assigned
	94	Account Code-Forced/Verified (CPU-EB3 or higher)	Not Assigned

#### FIXED CODES:

Attendant Call		Depress ENTER key 0	
Trunk Access Code 1		Depress SPKR key to ge	
Trunk Access Code 1  Last Number Redial  Off-Line for System Programming  Speed Dial (Station)  Speed Dial (System)  Internal Voice/Ring Signaling  Callback Request/Message Retrieve  Account Code Entry		<ul> <li>State of the state /li></ul>	
Off-Line for System Programmi	ng	# * 0	
Speed Dial (Station)		# 00 ~ #19	
Speed Dial (System)		# 20 ~ #99	
Internal Voice/Ring Signaling		1	
Callback Request/Message Retr	ieve	1	
Account Code Entry		# #	
Callback Request Message/Can	cel	•	

5. Depress 1.3 and/or L4 to assign or eliminate the 3rd, and/or 4th. Attendant, as needed.

#### MEMORY BLOCK 3A2 - ATTENDANT 3rd AND 4th ASSIGNMENT DISPLAY AND -X X 1. Go off line. MODE M G E S Depress F3. Depress F6. Not Assigned Depress F12. (See Note 1), E NE K CG Release (SLT only) (CPU-EB2 or higher) Depress L3 and/or L4 to assign or eliminate the 3rd. and/or 4th. Attendant, as needed. Depress ENTER key. 7. Depress SPKR key to go back on line. 是自由一一种13

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#### KEY FUNCTION (OFF LINE) MORY BLOCKSON SPKR ON/OFF Line TEL#-F/W -CLEAR -ENTER - Enters attendant assignment B/W -GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK THAT MAY MEMORY BLOCK BEING MEMORY BLOCK THAT HAVE TO BE PROGRAMMED MUST BE PROGRAMMED ROGRAMMED L7 18 L5 L6 L3 L4 L2 L1 1D8 3A3, 3A4, 3A2 101 L16 L14 L15 L13 L12 L10 L11 L9 All CPU levels. NOTES: During step 3, L3 and L4 display any previous F11 TEL # CLEAR MIC attendant assignment. F2 F12 L3 LED ON = Third Attendant assigned 3 F3 OFF = Third Attendant not assigned ENTER F/W SPKR F13 F4 L4 LED ON := Fourth Attendant asssigned F14 OFF = Fourth Attendant not assigned F5 F15 (L1 and L2 LEDs show ON to indicate F6 attendants 1 and 2 are assigned.) GHI F16 F7 F17 2. When assigned, these attendants are PRS TUV WXY F8 automatically assigned to TENANT 1. F18 F9. s ö sc: 3. 3rd and 4th Attendant positions can not be F19 removed when: F10 Any stations are assigned to it for dial 0 F20 key to ge bwalcon line (1D8). When any DSS/BLF console is assigned to

# GENERAL INFORMATION - ATTENDANT 3rd & 4th ASSIGNMENT

it (1C1).

respectively).

3rd and 4th Attendant Assignments must be assigned on the first ESI ETU, (ports 3 and 4

This area of the memory block is used to allow a 3rd and 4th Attendant to be assigned to the system. An ATTENDANT Multiline Terminal must be an ETE-16D-().

	OPER.	ATION	-		— AA	D .				-	<u> </u>	DIS	PL	AY					1	IAS	ij
G	off line.						O P	F R	F O	- G	L R	A	M	E	M	E	X D	E	X	X	)
De	press F3, then I	6.[2]				S		S	1.0		A	Т	Т	Ε	N	D	-		-	LA	C
De	epress F13.	] [2]	Esil C	1.1 [01]	E		A	T	T	?	0	٧	E	R	F	L	0	W	el l	195	i i
	nter attendant n				23.64 Landardor Landardor Landardor	A	Α	T	T 2	1 0	0	V	E	R	F	L	4	W	ing ide	711 C	
I		F3	897991	10/4	Just			be	ngi	ass.	Jon.		<del>perio</del>	-		ATP	Ta	190	2	-	T
E	nter second atte	ndant nur ow to. Ex	mber (1 -	~ 4) wher attendant	e 4.1	A	T	T	2			<b>→</b>					4	J. D			
		01	QuiMi	[ 74]	To the							.be	ngi	88.6	971.0	8.8	als i	i eso	sbi	ted t	8
D	epress ENTER	key. (See	Note 2)	[ VV ]	F	A	A	T	3		0	V			# 2 °	100	2	W 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	m	ed V	1
R	epeat steps 5 an	d 6 for ot	her atten	dants as r	equir	ed.					i an										

### GENERAL INFORMATION - ATTENDANT 3rd & 4th ASSIGNMENT

assigned on the first ESI ETU, (ports 3 and 4

This area of the nomory block is used to allow a 3rd and 4th Attendant to be assigned to the system. An ATTENDANT Weitiline Terminal must be an ETE-16D ( ).

TE F/ CI EN	W- EATT	Inc AR ER De	ON Enterent - Cl - E	/OF ers nen ear inte	rF I nev ts a s ov ers e	vat tter verf each	tendar low ass	dan nt n ass sign	t um ign me	ber mer nt	arc it		-98 -98 11 S			- 9	(DAN				1801	00	(BLC	(S;G)	43
PROC	ORY	BLOC	K BEI		M	AT IEMOI ST BE	RY BLO	OCK T	HAT	MEN	MORY	AM BLOC BE PRI	K THA	TMA	200	L1	L2	L3	L4	] [	.5	L6	] [E	7) [	8
2.	Du ass	S: rin sign	g sinne	tep nt i	or t	he d	lisp atte	lay nda	nt t	ows to be	an;		lisp	T	A	MIC SPKR	TEL #	L11	CLEAR ENTER	oV. e	F1 F2 F3		WYE :	F11	16
	7		N		И	177	И	IA	M		I	15	IT	I	A	1	ABC 2	T	DEF 3	ioqs ix2l	F4		E) e suurs to to be a te 4).	) F13	
	X.	3	S M	A	V	1	И	A	M	3		×	1	7	A	GHI 4	JKL 5		6 VXY 9		F6 F7 F8	-15	PM3 s	F15 F16 F17	
														all		p() bss	OPER 1		#		F9 F10		etops sitte	F19	

# GENERAL INFORMATION - ATTENDANT OVERFLOW ASSIGNMENT

This area of the memory block is used to program the Overflow feature on the attendant positions.

OPERATION -A	ND —			>		DI	SPI	LAY								- W	
. Go off line.			O P	R	F O		L R	-	M	-	M	Ò	X I	E	ol.	X	)
Depress F3, then F6. 23 [83] [83]		S		TANK					T	E	apidi	D	-	-	Т	VAC:	se.
Depress F14. (See Note 1).	67]	A	T	T	<u>-</u>	Т	E	N	Α	N T	T E	N	A A	S. N	G T	N 1	) V
. Depress F/W key. (See Note 3).		A	Т	T	2	T	E	N	Α	N T	T	N	A	S N	G	N	
Dial the number corresponding to the Tenant (1 ~ 3) to be assigned. Example: Tenant 2. (See Note 4).	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A	T	T	2	T	E -	N -	A	N	T	N	Α	s N	G		
Depress ENTER key.	[N. 1972]	A	-	T	- X	- T	E	N	Α	N	T	N	A	S	G	N	
. Repeat steps 5 and 6 for all attendants requi	red. (Se				1^							1					
B. Depress the SPKR key to go back on line.	Tongson Assessment																

# GENERAL INFORMATION - ATTENDANT OVERFLOW ASSIGNMENT

This area of the n emory block is used to program the Overflow feature on the attendant positions.

and the first program alternative in the control of 
F20

KEY FUNCTION (OFF LINE) EMORY BLOCK 3B1 - FIRST RING PA SPKR - ON/OFF Line TEL # - Returns to attendant 1 F/W - Increments attendant number set CLEAR -ENTER - Enter : each assignment B/W - Decrements attendant number set **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED JUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L5 L8 3A2, 3A3 3A4 1C1, 1D8 L9 L10 L11 L13 L14 L15 L16 All CPU levels. NOTES: Depress Lil to L8 to assign the appropriate first 1. During step 3 the display shows any current anderired Trunk Groups Liera to assignment for the attendant to be set. TEL # 9 CLEAR IS TO TO ISE neb syn Ett Edications between t ending The 3rd and/or 4th attendants must first be F12 allowed in memory block 3A2 before assigning 3 ENTER them to a tenant. F13 14 3. ATTENDANT 1 is always assigned to F14 4 DEF TENANT 1. FS-F15 4. This assignment cannot be made when: Α F6 any station is assigned to this attendant F16 F7 any DSS/BLF console is assigned to this F17 attendant (1C1). F18 Therefore, all related assignments must first be F9 cleared to allow this assignment to be made. F19 E10

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#### GENERAL INFORMATION - ATTENDANT TO TENANT ASSIGNMENT

B/W

This area of the memory block is used to assign the four possible system attendants to a particular tenant(s). A maximum of three Tenants are available.

EMORY BLOCK 3B1 - FIRST RI	NG PAT	re:	RN	AS	SS	IGI	NIM		VT	epu:			ITO Erru				
OPERATION <	AN	D -				->	- <u>D</u>	ISI	PLA	\Y	me:	dn			inci		10
. Go off line.		П	0	F	F	Too	L	1	N	E	Ligh read	(	Х		Х	Χ	)
	, pl., degges, processor, seguines seguines de la defension de la degles de la degles de la degles de la degle La degles personas de la degles d		Р	R	0	G	R	Α	M	3711	M	0	D	E	110	U	
Depress F3, then F7.	וניו וני	S	Y	S	2	E 8 T	2VA	F	E	Α	T	U	R	E	1	MAS	KLIAN
Angeligian and Angeligian Angeligian and Angeligian		H		8	AE GE	2.4	3.8								A	Δ.5	6
. Depress F11.		1	S	Т		R	1	N	G		P	Α	T	T	E	R	N
117 [172 L13 [L14 L15 [L16	[La] [rio	D	E	P	R	E	S	5		L	T	N	- Landerson	1119	K	E	Y
corresponding LED indications between OFF.  LED ON: 1Hz interrupted tone (0.5 sec. OFF				dan ngi	d d	919	is el	ns.	ens k 3	din pede			ind m ten	ti b			
LED OFF: 2 secs ON, 4 secs OFF (Defau (See Notes 1 and 2).	alt)			bs	a S	iesi		Y.B.Y	vla	18	1	77	IAC	IW	AM.	ra. St	
Depress ENTER key.	Co A	1	S	T	123	R	-	N	-	la la se	P	-	I	T	E	R	_
[ 100 ] [ 100		D	E	P		E				L	1	N			K	E	١
	Z											Din.					
Depress SPKR key to go back on line.				teni ei	() 1a	เขณ รอด์	e1n		ngia				(Ls)	ore.		Thi	

### GENERALINFORMATION - ATTENDANT TO TENANT ASSIGNMENT

This area of the memory block is used to assign the four possible system attendants to a particular tenant(s). A max mum of three Tenants are available.

KEY	UNCTION (OF	FLINE)	
SPKR - ON/O	F Line	ASSIGNMEN	RMORY BLOCK 182 - CENTREX BINGHY
TEL#-			The state of the s
F/W (Forward) CLEAR -			
ENTER Acri	I ALTE	The statement of the st	- AND
B/W (Backward	ms desired 1st. ri	The control of the second	
		11 3 3 0	Go off line
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	3
		3B2, 4B6	L1 L2 L3 L4 L5 L6 L7 L8
3B1			
	photograph contract and a second	port from particular to the super-	
2 14 1 2	BEL OF A	2 2 7 10 2	Steament 2
CPU-EB3 or hi	gher.Ulo Rio	RUNK	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:			
LK1=Trunk LK2=Trunk LK3=Trunk LK4=Trunk LK5=Trunk LK6=Trunk LK7=Trunk LK7=Trunk	Group 2 Group 3 Group 4 Group 5 Group 6 Group 7		SPKR FAW SENTER STEED F3 3 STEED F12 F13 F14 F14 F14 F15 T1 F15 T
2. This assignm for COI-E an	ent is valid for C i TLI-E ( ).	OI-EB as well as	4 5 6 F16  (S 930 / 90 F7 B)  PAS 7 TUV WXY 9 F8
			# 00 00 00 00 00 00 00 00 00 00 00 00 00

### GENERAL INFORMATION - FIRST RING PATTERN ASSIGNMENT

This area of the memory block is used to assign in a Trunk Group basis, one of the 2 available ring patterns, to the 1st. ring cycle, after an incoming call is detected.

OPERATION <	— AN	D <b>-</b>	engaja spira			913.6			PLA		Albania Marian	6 m m			For AR	I W	13
Go off line.			0	F	F			L	N	Ε		(	X	N.S.	Х	X	)
			P	R	0	G	R	A	M	-	M	0	0	8	IIU	9	
Depress F3, then F7.	and the second s	S	Y	200,00	2	8 YEQ	MSM Nac	F	E	Α	-	-	2	E	9038 904	MARI	OR
8] [1] [3] [3] [4] [5] [8]	LU				984	2.2	3.8									88	
		6	-	N	Т	R	Ε	X		R		N	G	I	N	-	
Depress F12.	[67]	C	E	U	N	K	E	G	R	0	U	P	?	10	88	1000	100
															: 8	313	2
Dial Trunk Group number (1~8) to be assign Example: Trunk Group 1	red.	C	Т	Χ	nas	R	1.	N	G	mi	slin	T	R	K	i ei	G	1
Example: ITAIK Group [ ALSE]	DIM.	D	E	P	R	E	S	S		L	dn dn	N	E	J713	K	E	1
Depress L1 to L8 to assign the appropriate ripattern and detection time(s) to the Trunk Group selected. (See Note 1.)  LED ON: 1 Hz interrupted tone (0.5 sec. Of the Control of the Contr	Axes										g dn g dn g dn g dn	Gro Gro Gro		Tru Tru Tru	1 6 5 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	LK LK LK	
0.5 sec. OFF LED OFF: 2 sec ON, 4 sec OFF tone (Defaul	L											ori	30			N.	
A COM IN	140	C	Т	X	Г	P	1	N	G	T	T	Т	R	K	Т	G	I
Depress ENTER key. (See Note 2).	U	D	E	P	R	E	S	S	0	T	al i	N	E	Si J	K	1 1 7 7	+
Tatal San	ENS.		1														
Repeat steps 5 and 6 to assign all Trunk Gro required, or depress TEL# to assign a specif Trunk Group.	ups ic "																

8. Depress SPKR key to go back on line.

### GENERAL INFORMATION - FIRST RING PATTERN ASSIGNMENT

This area of the memory block is used to assign to a Trunk Group basis, one of the 2 available ring patterns to the lat. ring cycle, after an incoming call is detected.

Inda Tracket State

KEYI	UNCTION (OF	FLINE)			aker B	35M2TT
F/W - Increme CLEAR - ENTER - Ente	F Line Trunk Group nu nts Trunk Group rs each assignments Trunk Group	number	JOC NA -			2
GUIDE TO	FEATURE PRO	GRAMMING			line.	DooD
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY  MAVE TO BE PROGRAMMED				
3B2	486 A 3 3 4	3B1 5 2 Y 2	L1 L2 L3	] [ [4 ] [ [	5 L6 L	7 L8
CPU-EB3 or hi	TIPLI OF	FORCED NO.OF	L9 L10 L11	L12 L	13 L14 T	15 £16
corresponde	nce.3 3 A	g duration time	MICO OFFICE TO	CLEAR TO RAND	gib to pedmun	Fig.
LK2=More LK3=More LK4=More LK5=More	than 0.1 sec but le	ess than 0.45 sec less than 0.65 sec less than 0.9 sec	SPKR F/W	ENTER [	F3 3 2 2 2 3 3 4 4 3 8 8 8 9 1 5 1 4 4 3 8 8 8 9 1 5 1 4 4 4 8 8 9 1 6 9	F13
	than 1.5 sec but le		GHI 4 JKL 5	MNO SO	as SPIGE key t	F15
2. Depressing display to th	the ENTER key e next Trunk Gro	increments the up number.	PRS 7 TUV 8	wxy 9 [	F7 B	F17
3. The Trunk decremented	Group number is with the F/W and	s incremented or l B/W keys.	* OPER O	# [	F9 F10	F19

### Lines connected to COI-EB ETUs.

4. This assignment is valid for CENTREX or PBX

### **GENERAL INFORMATION - CENTREX RINGING ASSIGNMENT**

This area of the memory block is used to assign one of the two Ring Patterns available to particular types of incoming ring signals. The assignments correspond to the duration of the incoming ring signals and are programmed in a Trunk Group basis.

- 3. The Trunk Josephaumber is incremented or decremented with the F/W and B/W keys.
- d. This assignment is valid for CENTREX or PBX.
  Lines connected to COLES ETUS.

#### GENERAL INFORMATION - CENTREX RINGING ASSIGNMENT

This area of the memory block is used to assign one of the two Ring Patterns available to particular types of incoming ring signals. The assignments correspond to the duration of the incoming ring signals and are grounded in a Trunk Group basis.

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	UNCTION (OF	FLINE)	EMORY BLOCK 3B4 - RAA SLT ASSIGN
F/W - CLEAR -	unber of Forced Accou	int Code digits	UXA-
	FEATURE PRO	RECERT	- Astronomy
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY	Depress 63 then 61
	2E1	107	L1 L2 L3 L4 L5 L6 L7 L8
3B3	Colorada bitana akina		
10115	<u> </u>	R A A - S	AT leavinged
CPU-EB3 or h	gher.	17.17.17.13.14.13	L9 L10 L11 L12 L13 L14 L15 L16
During step displayed.	Total Committee	value already set is	Dial station number of the SLT port associated with the IAA matter station number of RAA.  With the IAAA matter station number of RAA.  With the piece Station No of RAAA = 10.  Station No of RAAA = 10.
2. Forced Account to 13 digit	unt Code digit co Default assigni	ount assignment is ment is 10 digits.	SPKR F/W ENTER F3 3 F13
made unles	all the previou	digits cannot be s Forced Account	1 2 3 55 7398 8 19 19 19 19 19 19 19 19 19 19 19 19 19
Code entrie position.	s are cleared firs	t at an Attendant	GHI 4 JKL 5 MNO F6 F16 F16
			PRS 7 TUV 8 WXY 9 F8 F17
			* OPER # F10
			B/W F20

### **GENERAL INFORMATION - FORCED ACCOUNT CODE DIGIT ASSIGNMENT**

This area of the memory block is used to assign the number of digits (1-13) for the Forced Account Codes.

MEMORY BLOCK 3B4 - RAA SL	TASSIGNM	EN	T		122	114	135	22.9	<u>nu</u>						DES
OPERATION <	AND	-		12170			ISI			110	rado.	203	elsc	3 - \$	EL:
1. Go off line.		O	F R	F O	- G	L R	I A	-	E	M	0	X D	E	X	X
2. Depress F3, then F7.	S S S S S S S S S S S S S S S S S S S	Y	S	2	2710	7317	E	E'	Α	T	U	R	E	1	YSON 3
I provide a final than the content of the content o												-		2	3.5
3. Depress F14.  [213] [	012) [61]	R	T	?	?	?	L		Т	E	R		?	G ?	? -U9
4. Dial station number of the SLT port asswith the RAA and then station number Example: Station No. of SLT = 150 Station No. of RAA = 104	r of RAA.	R	A	A 1	5	S O	L	T	Т	A	S	S	1	G	N 4
5. Depress ENTER key.	SXE														
6. Depress SPKR key to go back on line.	7 P P P P P P P P P P P P P P P P P P P	186		ă, b	ioon.		to ous irst	ive:	iğ i	the			lns strii		ima Co
	ari F sea														
1															

### GENERAL INFORMATION - FORCED ACCOUNT CODE DIGIT ASSIGNMENT

This area of the memory block is used to assign the number of digits (1-13) for the Forced Account Codes.

and the Secretary and the second

E. Hepress SPKH key to go back on line.

SPKR - O TEL# - Se F/W (Forw	N/OF elect	F Lin		A GO		INE)	TO		T.		IF								Ant.		
CLEAR - ENTER - B/W (Back	Clear Enter	s stat	ion ni SLT	ımbe assig	rs nme	ent					A-								0)45)		
MEMORY BLOCK B PROGRAMMED	2.00	MEM MUST E	TURE ORY BLO SE PROGR	CK THAT	ME	RAN MORY VE TO	BLOCK BE PRO	THA	T MA MME	Land Cont	L1	] [	L2	L3	] [	4	L5		.6	L7	1
CPU-EB3 (	or hig	her.		9 -	9		-	N	U	H	L9	] [	L10	L11		12	L13	] [	.14	L15	]
1. Default	assig	nmer	nt is N	o Co	res	pond	lenc	e.			М	11C	TEL		CLEAR		12	61	ATE	elqu	
2. To clear	the key a	setti	ng, du ien th	ring e EN	ster	p 3 c	on the beautiful	interpretation of the contract	th	е	SPI	-	FA TX(S)	-	ENTER			F2 F3	3	l of i	
10 6 1	IT	0 1	Ш	9		B			νį			1	ABC	2	DEF	3	C. Chirtie	F5	19 19	4	
ОИ	I	0 1	П	9   -	To.		T				GHI	4	JKL	5 (1	MNO	]	-	F6	B	i eag	Q
779		01.				9			M	H	PRS	7 1 of 8	TUV 1900 OPER	-	WXY (	7		F8 F9	aqa.	at St Ded	
															8/W	_		F10			

### **GENERAL INFORMATION - RAA SLT ASSIGNMENT**

This area of the memory block is used to assign a guaranteed connection between the RAA and an SLT modem port. Remote maintenance operation is guaranteed by this assignment.

ND-20292 CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 3B5 - STATION HUNTING PILOT NUMBER ASSIGNMENT DISPLAY AAS SOIS - SETU **OPERATION** AND 1. Go off line. X RO D E G R AM MIO 2. Depress F3, then F7. S E 3. Depress F15. G P 0 N. 0 4. Dial the STATION HUNT GROUP NO. (1-8). G Example: HUNT G. No. = 2 5. Dial the HUNT GROUP PILOT NO. (EXT NO. HUNT G NO other than PE and VE). G Example: PILOT NO. = 190

# 6. Depress ENTER key. (See Note 1). H U N T . G - P I L O T N O . H N T . G 3 - P I L O T ? ? ?

Depress SPKR key to go back on line.

specified.

7. Repeat Steps 3 to 5 for the HUNT GROUPS to be

#### GENERAL INFORMATION - RAA SLT ASSIGNMENT

This area of the memory block is used to assign a guaranteed connection between the RAA and an SLT modern port. Remote maintenance operation is guaranteed by this assignment.

300 - 148

the whiteholder

TE F/W CL EN	L#- 7 - I EAF TEF	ON Sel ncre R - C Pecre	ect me lea	FF ts a ents	Lin nev s the Pilo eac	w H e H ot N h as	unt unt um	Gro ber	oup oup Ass	nun	mbe nbe	г	H.	
PROGR	RY BLO		NG	м	мем	ORY	LOC	PRI	М	EMO	O BE I	PROGR	HAT M	
CPU	J-EE	33 or	hi	igh	er.	H		N	0		T	A	T	I S
100	essig	ress nme ber.	ent	HI O	the UN'	ГС	RO	ER UP	k	ey the	sh	ifts xt į	th grou	ip?
100	essig	nme	ent	0	the UN'	F) G	RO	UP B	to	the	ne	ifts xt i	grou	р
100	issig	nme	ent	0	υN,	F) G	RO	UP B	to	the	ne	xt į	grou	р

# GENERAL INFORMATION - STATION TO HUNT GROUP PILOT NUMBER ASSIGNMENT

This area of the memory block is used to assign the Pilot No. to the Hunt Group No. (1-8).

MEMORY BLOCK 3B6 - STATION TO HU	NT	GR	.01	JP	AS	SSI	GN	IM	EN	T				82	192
OPERATION -AM	VD -			red			ISI	dru	H:					LAS	
1. Go off line.	E	O P	F	F O	G	L R	A	M	E	М		X D	E	X	X )
2. Depress F3, then F7.	S	Y	S	2	1 3 V	120	F	E	Α	J	υ	R	E	1	OMEN!
3. Depress F16. [Et] Et] [II] [OI] [E]	S H	T	A N	T	1	O G	N ?		Н	U	N	T	. 01	G	ro4
4. Dial the required STATION HUNT GROUP  NO. (1-8).  Example: HUNT GROUP No. = 2	0	1	A -	E	X	0 T	N E	CA N	H S	U I	-	T N	70	G ?	The second second
5. Dial an EXT NO. to be assigned as a member of this STATION HUNT GROUP.  Example: EXT No. = 100 (See Notes 1)	S 0	T 1	A -	T	1 X	O T	N E	N	H	U	N	T	1	G 0	0
6. Depress ENTER key. (See Notes 2)	S 0	T 2	Α -	T	I	0 T	N E	N	H	U	N O	T	?	G ?	2 ?
7. Repeat Steps 3 to 5 for the HUNT GROUPS to be assigned.	S	T	A	T	1	O	N ?		Н	U	N	Т	ŀ	G	

8. Depress SPKR key to go back on line.

# GENERALINFORMATION - STATION TO HUNT GROUP PILOT NUMBER \* ASSIGNMENT

This area of the lacmory block is used to assign the Pilot No. to the Hunt Group No. (1-8).

The second second

FUNCTION (OI	FLINE)	White areas of several and a s
OFF Line	idministics A an	EMORY BLOCK 3B7 - STATION HUNT TV
ars extension assi	gnment	ZVZ
ers each assignme	ent	
nen s extension nu	imber - 1110	Go off line.
O FEATURE PR	OGRAMMING	
MEMORY BLOCK THA	MEMORY BLOCK THAT MAY	
385	3B7, 3B8	L1 L2 L3 L4 L5 L6 L7 L8
- Color Consultation Consultation Supplement		
HORESH	3 2 7 4 11	Depress F17
higher.	C DI TIME	L9 L10 L11 L12 L13 L14 L15 L16
n nen sinsini dingana kanasa silagan ada		
red as members of Pilot numbers occupted. The same of the same of the same of the same of the ENTER of the next extens	of a HUNT GROUP or uniform numbers me extension can be nore than one HUNT xtension can be ore than once on a key advances this	1 2 3 F15
group.		4 5 6 F16
T J H A	T N N I	
	TO THE	7 7 8 WXY 9 F8
	MEMORY BLOCK THAN THE BROWN AS AND TELEPHONE AS MEMORY BLOCK THAN MUST BE PROGRAMMED AS AND THE BROWN AS AND THE SAME AS AND THE SAME AS AND THE SAME AND THE SAM	ents extension number ars extension assignment ters each assignment ters

### GENERAL INFORMATION - STATION TO HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign extension numbers to the various Hunt groups (1-8).

	OPERATION	– AN	D <b>-</b>				mbe	- D		PLA		i w ten		i eda dana		2.4.5 19.01	- 4	
	Go off line.			0	F	F		45.		N	Е	ens.	1	х		X	X	1
	Go on time.			P	R	0	G	R	A	М	-	М	0	D	Ε	and	5	
	Depress F3, then F7.		S	Υ	S	2	38 O	OMEN BVA	F	E	Α	T	-	R	E	111	Y80	00
Statement St.	81, [41], [91] [81] [81] [81]	LU			e justinale	88		88					38				81	ing.
	Depress F17.		Н	U	N	Т		S	E	Α	R	-	-					Ī
	BEJ [E13] [E13] [E13] [E13] [OLJ	1.61	Н	U	N	Т	1.	G	?	L	L		hd	115	10.8	83 :23	TC	15
	Dial the HUNT GROUP NO. (1-8) for which t search method is to be assigned.	he	Н	U	N	Т	L	S	Ε	Α	R	С	Н					I
	Example: HUNT GROUP NO. = 1	264	H	U	7233	I	100	G	10	818	E	8121	N	Dan	A	R	29	
	(E) (E) (ASTREE) (WA	SPICE.	3					unu ixe				, lb	elg.			11 9.		-
	Assign the search method.  Depress LK1 key.	2.3716	H	U	N	T	801	S	E	A	R	C	H	C	U	Lo	A	+
	LED OFF: LINEAR (Default) 10 LED ON: CIRCULAR		T	10	110	1-1-		, -				-	SI	OF	_	UNT	-	
	IRI (ANIO ES)	HD														engo enge		
	Depress ENTER key (See Note 1).	A	Н	U	N	Т	Τ	S	E	Α	R	C	Н	T	Ī	0.07		I
	[ st ] [ sw] [ sw]	7	Н	U	N	Т		G	2		L	1	N	E	A	R		1
	Depress SPKR key to go back on line.	K.																

### GENERAL INFORMATION - STATION TO HUNT GROUP ASSIGNMENT

This area of the nemory block is used to assign extension numbers to the various Hunt groups (1-8).

KEY FUNCTION (OFF LINE) emory block 188 - Station Hunt SPKR - ON/OFF Line TEL # - Selects a new Hunt Group number F/W - Increments Hunt Group number CLEAR -ENTER - Enters each assignement B/W - Decrements Hunt Group number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 L7 L8 3B5, 3B6 3B8 3B7 CPU-EB3 or higher. L9 L10 L11 L12 L13 L14 L16 NOTES: 1. Depressing the ENTER key advances this NORWARD destination is UH of program to the next HUNT GROUP. TEL # CLEAR F11 MIC F2 F12 SPKR F/W ENTER F3 3 F13 FØ F14 DEF F5 F15 F6 GHI MNO 4 F16 B F7 7 F17 £8 F18 F9 F19 F10 8/W F20

8. Depress SPKR key to go back on line

### **GENERAL INFORMATION - STATION HUNT TYPE ASSIGNMENT**

This area of the memory block is used to assign the Hunt Search method for each Hunt Group.

- · Linear (Default)
- Circular

sideijandyjaptok jedalo	OPERATION <	— AND	+			->	Ī	IS	PL	AY	401		2 (199	dia.	- Se		
ı	Go off line.		0	F	F	-7	L	uli	N	1	mu	(	×	-	-	Х	)
			P	R	0	G	R	A	M	3.0	M	0	10	E	lou	la	
2.	Depress F3, then F7.	s	Y	S	2	100	Take	F	Ε	Ά	T	U	R	Ε	1	nji AAAA	NG49
A CONTRACT	का या का झि थि है। वि						88			ð	38	3.5	8				ales
	Depress F18.		dia	l b.t	-		6	-	-	W	D		A	S	G	N	2
3.	611 St.	EJ	-	N	T		G	?	F	VV	ט	THE REAL PROPERTY.	A	3	G	IN	43.5
Charleson Control	gard bland to the Chine Service based beauty			1				77				Langue				ar	O
	Dial the STATION HUNT GROUP NO. (1-8) which the HUNT FORWARD destination is		U	N	Т		G		F	W	D		Α	5	G	N.	
	be assigned.	) H	U	N	Т	. S	G	1	TV	F	W	D	7	?	?	ara	
	Example: HUNT G. NO. = 1.	gi aquitores se tirres.															
delication of the last	E E Batha Ma	5803															
	Dial an EXT NO. or HUNT PILOT NO. as th	ne [	U	N	Т		G		F	W	D		A	S	G	N	
1	HUNT FORWARD NO. Example: EXT No. = 300	Ī	_	N	Т		G	1	-	<del>district to</del>	W	D	3	0	0		
delessand		· himman															
and special	23 CHM 240	40					1						-				_
Ą	Depress ENTER key. (See Note 1).	H	-	N	T		G		F	W	-		A	S	G	N	1
Spirit Spirit Spirit		End	U	N	Т		G	2	-	F	W	D	?	?	?		
	Repeating Steps 3 to 5 until station hunt forward destinations can be registered for al	l the															
- 4	HUNT GROUPS.	- Linnan															

8. Depress SPKR key to go back on line.

### GENERAL INFORMATION - STATION HUNT TYPE ASSIGNMENT

This area of the memory block is used to assign the Hunt Search method for each Munt Group.

the properties and the property of the company of the

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Selects a new Hunt Group number F/W - Increments Hunt Group number CLEAR - Clears FWD destination assignemt ENTER - Enters each assignment B/W - Decrements Hunt Group number **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 3B5, 3B6 L7 L8 3B7 **3B8** CPU-EB3 or higher. L9 L12 L13 L14 L15 L16 NOTES: 1. Depressing the ENTER key advances this er Pos Group 2. (See Note 1). program to the next HUNT GROUP. CLEAR TEL # MIC F11 F2 F12 SPKR F/W ENTER 3 F13 F4 F14 F15 4 6 F16 B F7 F17 FB. F18 8 F9 OPER F19 F10 B/W F20

## GENERAL INFORMATION - STATION HUNT GROUP FORWARD ASSIGNMENT

This area of the memory block is used to assign an extension No. or Hunt Group Pilot No. as the Forward destination of a DIT or DID incoming call when all extensions in the Hunt Group are busy..

OPERATION	—— ANI	) <b>-</b>					D			5%	iw in GY		ids Inac Incre			L A V - E A	
1. Go off line.			O P	F R	F O	G	L R	l A	N M	Ε	M	( 0	X D	E	X	X	)
2. Depress F3, then F7.		S	Y		-	18 YH	PATRICULAR E	-	1	-	T	-	-	E	120	MAR	NOR DOR
Depress F19.	il [el]		T	R	U	N	K		G	- 1	P	0	OR	L	Q (828)	G ?	
Dial Pool Group number (1 to 8). Example: Pool Group 2. (See Note 1).			T	R		N	K	. 0	G	C-100	P	0	O R	L	:8:	G 2	21/
5. Depress L1 to L8 to assign the appropriate	e trunk gro	ups	to			ol G					See				10000		
Depress ENTER key. (See Note 3).																	
Repeat Steps 5 and 6 to assign Trunk Gropprogram a specific Pool Group.	ups to all th	ie d	esir	red	Poo	l Gr	our	s, o	r de	epre	ess .	rei	# l	сеу	to		
B. Depress SPKR key to go back on line.	28.9																

## GENERAL INFORMATION - STATION HUNT GROUP FORWARD ASSIGNMENT

This area of the reemory black is used to assign an extension No. or Hunt Group Pilet No. as the Forward destination of a D.T or DID incoming call when all extensions in the Hunt Group are busy.

The control of the state of the

SPKR - ON/OH	UNCTION (OFF	LINE)	MÖRY RLOCK 3810 - LINE POOL GROU
	new pool group n	umbar	
F/W (Forward)	- Increments pool	group number	
CLEAR -	THE CHICKES POOL	group number	- ave
ENTER - Ente	rs each assignmen	nt	
B/W (Backward	) - Decrements po	ol group number	300 On OH 1108
GUIDE TO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	Degrees 5.3, then 5.7
	1A	3810	L1 L2 L3 L4 L5 L6 L7 L8
3B9	- properties of the second	22.19	
203	The state of the state of	the state of the s	
TIX	31 TO TIU	AL LIBIOIS	OS 7 Elenged
CPU-EB3 or h	igher.	12 2 3 3	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:			Dial station number being assigned
assignment by the LED	for the Pool Grou pattern of L1 to L		MIC TEL# CLEAR F2 F11
Group in St L1 to L8 corespectively LED ON:	ep 4, the following prespond to Tru		SPKR F/W ENTER 53 3 F13  1 ABC DEF 3 F5 F15
3. Depression the display	of the ENTER k to the next Pool G	ey will increment roup number.	GHI JKL MNO F6 . F16
			7 8 9 68
			* OPER # F10 9 F19

### GENERAL INFORMATION - TRUNK GROUP TO LINE POOL GROUP ASSIGNMENT \*

This area of the memory block is used to assign up to eight system trunk groups to each of the pool groups.

Service Servic	OPERATION ~		- AND			adg	->		IS	PLA		100						
	Go off line.			0	F	F	1 411	L	Ь	N	Ε	1070	(	Х	200	Χ	X	)
				P	R	0	G	R	A	M	101	M	0	D	E	10	U.S	
	Depress F3, then F7.	Telle	S	Υ	S	1	5.28	5016 11.25 11.60	F	E	A	Т		-	E	1	Albay (Richa)	OR All
	Majalingalakan Menerikan menumban dipangan menandi dipangan perancial Republikan Majalingan dipangan menumbahkan mengalakan mengalakan pengan pengan pengan pengan pengan pengan pengan pengan Jahan 1975 dipangan pengan	padi. Maraja daliparut i funccione cui argumentat pari un proprio de della martia compressione productivo di consiste consiste		+				1.0									38	100
	Depress F20.	territari i energiali i energialisti Oli propostori energia i propostorio en		P	0	0	L		Α	U	Т	0		E	X	Т		
	[913] [513] [813] [513] [514]	TEM LAT	1 1.0 T	E	L	?	?	?					7.0	111	1 20	88	H-1	Š
	Dial station number being assig	med.		1-	-						-			Te	Tve	-	231	3
	Example: Station 104		-	P	0	0	0	4	A	U	L	0		E	X	1	art	-
	Each extension line position L1 in Step 3 should be selected. (Se LED ON = Assign Pool Auto LED OFF = Do Not Assign p	Extension	1				Exte		on (	PAI	E) fo	or th	ne s	ta ti		hos	en orc	
		4301 1 >52																
	**************************************		1.40															
	Denress ENTER key (See Note	1 18 1	12				qui											
	Depress ENTER key. (See Note	e 3).	L Hall	ir	9.03	9451			leo'	l od							13.	
		2000					ai i		leo'	To F	HTT	gia M	an . the		not		.El Jep	

## GENERAL INFORMATION - TRUNK GROUP TO LINE POOL GROUP ASSIGNMENT

This area of the memory block is used to assign up to gight system trunk groups to each of the pool groups.

SPKR - ON/OFF Line  TEL # - Select station to be assigned  F/W (Forward) - Increment station number  CLEAR -  ENTER - Entry to each station assigned  B/W (Backward) - Decrement station number  GUIDE TO FEATURE PROGRAMMING  MEMORY BLOCK BEING  MEMORY BLOCK THAT MEMORY BLOCK THAT MAY  MUST BE PROGRAMMED  MEMORY BLOCK THAT MAY  MUST BE PROGRAMMED  MEMORY BLOCK THAT MAY  MAYE TO BE PROGRAMMED	Cooffine.
3B10 1A	L1 L2 L3 L4 L5 L6 L7 L8
CPU-EB3 or higher.  NOTES:	L9 L10 L11 L12 L13 L14 L15 L16 Degrees F11
<ol> <li>When programming appearences for a 6 button station, L1~L5 are selected on the programming station.</li> <li>The primary extension of the specified TEL is always set as a Pool Auto Extension and cannot be changed.         (LED always ON)</li> <li>Depressing the ENTER key causes the assignment to advance to the next station number.</li> </ol>	F1 F
T E L N A M E - T E L 1 0 4 N A M E ; S T	F7 B F17  PRS 7 TUV WXY 9 F18  F18  F19  F19  F19  F19

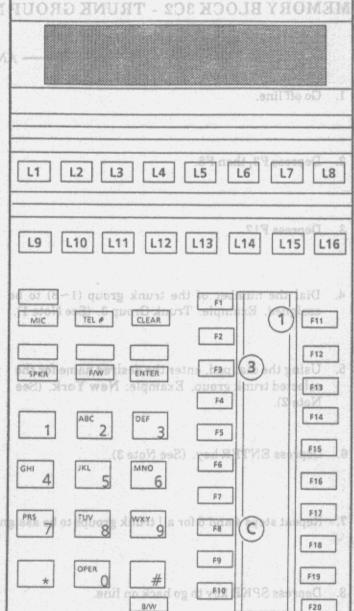
# GENERAL INFORMATION - LINE POOL GROUP AUTO EXTENSION ASSIGNMENT

This area of the memory block is used to assign Line Pool Group Auto Extensions (PAEs) at line key appearance of Multiline Terminals. Primary extensions are automatically assigned as PAEs.

AS F R L L M	F O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D G N N 2	L R N A ?	LA I A	Y N M	E HL	daat M	(	X	n E	710 9 - 81 - 81 - 81	X	
R R R R R R R R R R R R R R R R R R R	F 0	D G N 2	L R N	I A A	N M	E Al	M	(	X	n E	X	X	10
R R R R R R R R R R R R R R R R R R R	?	N 2	R N	A A	M	B1.	M	0	X	E .	JIU OBJA		
R R R R R R R R R R R R R R R R R R R	?	N 2	N A	A	M	0.6 S Apos	95O 84	34A 34M	Ð	149130	JIU OBJA		
S L L L M	2	N 2	N A	A	M	Appr	95O 84	34A 34M		149130			1.0
L L	2	N 2	A ?	A	M		9 98 1	120.0	S	c	dise		
L L M	6 1% 6 1%	<b>?</b>	A ?			Ε		Α	5	C			OF
L	6 1% 6 1%	<b>?</b>	?	M				-		S	L	G	1
L	6 1% 6 1%	<b>?</b>	?	M	-						7 1	2.5	
L	6 1% 6 1%	<b>?</b>	?	M	-			od:	id.	20	18731	-134	K
L	6 1% 6 1%	onq.	?		E						:21	T(	10
L		1		Nobel L	Lare	in v	ruce	s. evis. r	9752	3.0	na.d	OLT.	
М	Ε	Tax.		πō b	19/3	a lac	974	1.6	-	J,n	olas	12	
artensar.	Ε	N	Α	M	E	_	Т	Ε	L	1	0	4	
L		i ipi	Х	Х	X	Х	Х	X	X	it i	T 01		
L							- CALL	and the			cha		
M		N	Δ	M	E	_	Т	E	1	1	0	4	8
(4.57)	E	-	S		37	ИЗ	0	23	-	884	101	-	
		931	911.			11.00	C 2373K	- OF	3.13	771	din	311	
L		N	Α	M	E	-	Т	Ε	L	1	0	4	
M	E	;	S	T									_
3).													
1.0		N	Α	M	Ε	-	T	E	L.	1	0	5	_
L	1000	1	X	X	X	X	X	X	X				
			M E ;	M E ; S	M E ; S T 3).	M E ; S T  3).	M E ; S T	M E ; S T	M E ; S T	M E ; S T	M E ; S T	M E ; S T	M E ; S T

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TE	L.#	- U	N/C	)FF	Lir	ne r	um	hor	10.0	- 100			3.19	
F/W	V - I	nere	eme	nts	to r	ext	cha	irac	ter					
CL	EA.	R - (	Clea	ırs	nan	ie .	1254					opinitali-		
EN BAU	TE	R - 1	Ent	ers	nan	ne a	ssig	med		- 1				
B/V		tem	ove	S Ia	st c	nar	acte	rer	iter	ed			10	
	GL	JID	ET	0	EA	TU	RE	PR	OG	RA	MI	<b>MIN</b>	G	L
MEMO		L	BEING	H			BLOC			EMOI	RY BLO	OCK TI	HATN	IAY.
PROGR	MMA	ED	12	H Au	MUST	BE PR	OGRA	MMEC	Н	AVET	0 86 6	ROGR	AMN	ED
			L	-										
ರ	C.	1		-				1	1					
M	A	M			11	O	8	ā		×	1/1	U	Я	
	1 0	DII	150	wl.			3	5			-1/1		g	
NO	TE	S:	g st	ep-	4 tl	ne c	lisp	lay	she	ws	an	y pi	evi	ou
NO	Du na Ea	S: me: ch c	g st assi char epre	ep gne act	4 tled to	ne o		lay ation ed by nbe	y ser of	ws lose lec	n. ting mes	a d	evi ial Jse W k	ke,
NO 1.	Du na Ea	S: me: ch c	g st assi char epre	ep gne act	4 the d to er is ng i s a ove	ne o the s en t a gui	disp e sta tere nur de.	lay ation ed by nbe The	y ser of	lect ti W	n. ting mes	a d	evi ial Jse W k	ke,
NO 1.	Du na Ea	S: me: ch c	g st assi char epre	ep gne act	4 the d to er is ng i s a ove	ne o the s en t a gui	disp e sta tere nur de.	lay ation ed by nbe The	y ser of	lect ti W	n. ting mes	a d	evi ial Jse W k	ke; th
1. 2.	Du na Ea	S: me: ch c	g st assi har epre oelo ed t	ep gne act	4 thed to er is a ove	ne of the sen ta guid to t	tere nur de.	lay ation ed by nbe The	y ser of	lective ti	n. ting mes and viou	a d	ial Jse W k	ke, th ey
NO 1.	Du na Ea and tab	S: urin me: ch c d de le t use	g stassi	ep gne act ssii w i	4 the d to er is a cove	ne o the sen ta guito to t	tere nur de.	lay ation and be the mext	y ser of F	ows lectification with the second sec	n. ting mes and viou	a d B/V is er	ial Jse W k	ke; th
1. 2. E. P. R. E. S.	Du na Ea and tab are	S: ch cd de de le use	g stassi	ep gne act ssii w a o m	4 thed to er is a sove	ne co the sen t a guitto t	tere nur de. he r	lay ation and be the second of	y ser of or or KE	ows lectory Wore YS 9	ting mes and viou	a d B/V is er	ial Jse W k	ke, th ey
1. 2. E	Du na Ea and tab are	S: urin me: ch cd dele le le use	g stassichar	ep gne sact ssii	4 tll ded to er is s a ove	ne co the sen ta guit to t	dispestatere nurde. her	lay ation ed by The The next AD	n ch y se r of F or KE 8	ows lect ti W pre- YS 9	ting mes and viou	a d B/V is en	ial Jse W k http	ke, th ey



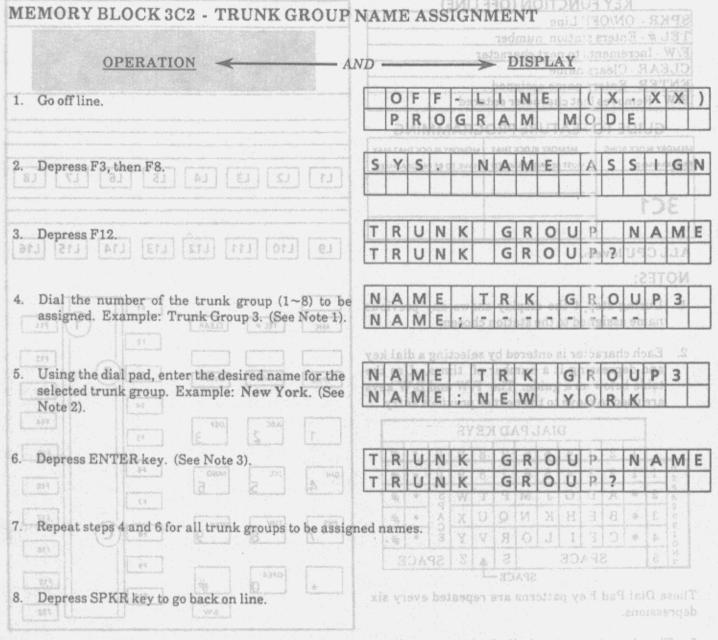
 The character string is limited to seven digits including spaces.

depressions.

 Depressing the ENTER key causes the display to increment to the next station number.

### GENERAL INFORMATION - TELEPHONE NAME ASSIGNMENT

This area of the memory block is used to assign user names to each station, and/or voice mail box.



- The character string is limited to seven digits including spaces.
- A Depressing the ENTER key causes the display to increment to the next station number.

#### \* GENERAL INFORMATION - TELEPHONE NAME ASSIGNMENT

This area of the nemory block is used to assign user names to each station, and/or voice mail box.

		- (	N/C	OF	Li	ne	ON	(0	FF	LIN	E)	1	10	ITA	LIAPT	TMI	1 KS	1 . 1	CIZ 3	HO:	OJE	I Y	HOMS
_	L#			-								125											
CI	EA	R	Clo	the	e ne	xt l	ette t na	r po	siti	ion		· According											
EN	TE	R-	Ent	ers	eac	ren eh a	t na ssig	nme	ass ent	ign	mer	16											
B/	V - 1	Mov	ves l	ac	on	e le	tter	pos	itio	n							5 10 10 10					nr:	Tio of)
	Gl	JID	ET	0	EA	LTL	JRE	PR	00	iR/	MI	MIN	IG										110 (100
	RAMA		BEING		7.563		BLOC					OCK TH	3.00	110									
						20	01			H		3			L1	L2	L3	L4	L5	77	L6	L7	L8
3	C	2							1				I										
			or h	igh	er.	1	T					rla			L9 [	L10	L11 [	L12	L13		.14	L1	5 L16
NO	TE	S:			4	II	1					1 4		ila									
1.	Af	ter	a t	run	k g	grou	ip l	nas	be	en	sele	cte	d, 1	the						F1	T	T	1
	dis	spla	ау	wil	1 :	sho	w	any	y p	re	vio	us	na	me	MIC	TEL #	CLE	AR	-				F11
			mei	1t.	De	tau.	it na	ıme	: C	O C	AL	(a).			The state of the state of	200	200	8.4116	110	F2	18 1	0.0	Denre
	ass	rRu			10.0										, C	J bas	S. Ind. , I	414 150	14 1 140	74	1404 33	100	and are
2.								ea	ch	tri	ınk	gro	up	is		J bas		1,1,5			5	(2)	F12
2.	Th	e n	am	e a:	ssig	ne	d to	ea	ch rs,	tru	ınk udi	gro	up	is es,	SPKR	F/W	ENT			F3	3	2	F12
2.	The	e n	ame d to	e as	ssig	gne 8) cl	d to	cte	rs,	incl	udi	ng si	pac	es.	SPKR		ENT	ER			3	Ĭ	-
2.	The lim Eac	e n liter ch c	amed to	e as	ssight (	gned 8) cl	d to	d by	rs, y se	lect	udi	a di . U	al l	es. cey	SPKR	F/W	ENT	ER (SE)		F3	$\sim$	Ĭ	F12
2.	The lim	e n liter ch c	amed to	e as eigl acre	ssig ht () er is ig i	gned 8) cl s en t a	d to hara tere nun de.	d by	rs, y se r of	lect	udi ing mes	a di B/W	al k	tey	SPKR 1	F/W (2 & 2)	TINE	ER (SE)		F3	$\sim$	Ĭ	F12 F13 F13 F14
2.	The lim	e n liter ch c	amed to	e as eigl acre	ssig ht () er is ig i	gned 8) cl s en t a	d to hara tere nun de.	d by	rs, y se r of	lect	udi ing mes	a di . U	al k	tey	SPKR 1	F/W (2 & 2)	TINE	3	() () () () () () () () () () () () () (	F3	$\sim$	Ĭ	F12 F13
2.	The lim	e n liter ch c	amed to	e as eigl acre	ssight (	gned 8) cl s en t a guid to t	d to hara tere nun de.	d by	rs, y se r of F	lect ti /W	udi ing mes	a di B/W	al k	tey		F/W	ENT CALCO	3		F3 F5 F6	$\sim$	Ĭ	F12 F13 F13 F14
2.	The lim	e n liter ch c	amed to	e as eigl acre	ssight (	gned 8) cl s en t a guid to t	d to hara tere nun de. he n	d by	rs, y se r of F	lect ti /W	udi ing mes	a di B/W	al k	cey the eys	1 GHI 4	ABC 2	ENT DEF	3 6		F3 F5 F6 F7	$\sim$	d) a	F12  F13  F14  F15
	The lim	e n iter ch c l de le b	ame d to har epre ed to	eigl acressin was	ssight (	gned 8) cl s en t a guid to t	tere	d by	rs, y se r of F or	lect time /W prev	ing mes and viou	a di . U B/W s en	al k	cey the eys	1 GHI 4	F/W	ENT CALCO	3 6		F3 F5 F6 F7		d) a	F12  F13  F14  F15  F16
D S P. R	The lim Eac and tab are	e n ited ch c l de le b use	amed to	e as eigl acre ssin w as o mo	ssig ht(	gned 8) cl s en t a guid to t	tere num de. he n	d by nbei The ext	rs, y se r of F or	lect tincl /W prev YS 9	ing mes and viou	a di B/W s en	al keese like	tey the eys	1 GHI 4	ABC 2	ENT DEF	3 6	Z PCY	F3 F5 F6 F7 F8	E	d) a	F12  F13  F14  F15  F16
D S P. R	The lim Eac and tab are	e niter	har pre peloved to	e as eigl acree ssin w as	ssignt (in the state of the sta	gnee 8) cl s en t a guid to t	terenunde.	d by he	rs, y se r of F or KE	VS 9 9 W	ing mes and viou	a di U B/W s en	alkse   ketry #	tey the eys	1 GHI 4	ABC 2	ENT DEF	3	Z PCY	F3 F6 F7	E	d) a	F12  F13  F14  F15  F16
O S P R S S S	The lim Eac ance tab are	e naitech chicked le buse	amed to har prepelored to 2	acreeigh	ssignt () arrising i sa a pove	gneed 8) class en taguida to	tere num de. he n	The ext	rs, vse roff For or S	lect tincl /W prev YS 9	ing mes and viou	a di . U B/W s en	all keese like try.	tey the eys	1 GHI 4	FFW ASC 2	ENT DEF	3 6 #	C e y	F3 F5 F6 F7 F8	E	d) a	F12  F13  F14  F15  F16  F17
D S P. R	The lim Eac and tab are	e naite	amed to har epre elected to A B C	acree as eight	ssignification in the state of	gneed specific specif	d to hars	acte d by hber The ext	rs, y se r of F or F or F or T U	incl lect time W prev YS 9 9 W X	uding mes and viou	a di B/W s en	alkse   / ke try # # # #	tey the eys	1 GHI 4	FFW ASC 2	ENT DEF	3 6 #	C e y	F3   F4   F5   F6   F7   F8   F8   F9   F9	E	d) a	F12  F13  F14  F15  F16  F17

Depressing the ENTER key automatically advances the display to step 3.

depressions.

### **GENERAL INFORMATION - TRUNK GROUP NAME ASSIGNMENT**

This area of the memory block is used to assign names (of up to eight (8) characters, including spaces) to each trunk group. These names will appear in the displays of Multiline Terminals so equipped, when receiving ring transferred, DID, Tie line or DIT calls, to an idle extension.

OPERATION			AND	-		2833	1011	>	- <u>D</u>	ISP	LA	Y				Sici AR B'R	
Go off line.				O P	F	F O	777	L R	I A	N M	E HU	M	(	X	-	X	X
Depress F3, then F9.		4.1	S	-	S	ore at	073	1	N		T	38 13	Α	L	1	Z	E
Depress F11.	1 [01.1]			1	S	Т		1	N	1	Т		Δ	L	1	Z	E
the recovery columnian according to all the appropriate equi-			D	<del>ilaaina</del>		R	E	S	S		L	i	N	Ε	-	K	-
Depress L1, L3, L5, L7, L9, L11, L13	3, and L18			E di	,ba:	leet ous LL).	se ivi CAI	nen 19 OC	d s		w o		N And (I)	E grad W dns		ter ige gie sign	A ; th ; see ; th
Depress L1, L3, L5, L7, L9, L11, L13	3, and L18			eds one	,ba:	leet ous LL).	se ivi CAI	nen 19 OC	d s		w o		N And (I)	E grad W drie	ante more more	ter spi	A ; th ; see ; th
Depress L1, L3, L5, L7, L9, L11, L13  Left Service And Later Control of the Later Control of	3, and L18	5.		the care	gor gor sos	S of	Se Lye	nen P.	T R	nsi nsi 1	A G	nds unle eng (8)	N I I E	E vy	E S	spi sign sign sign mile	A h h h h h h h h h h h h h h h h h h h
Depress L1, L3, L5, L7, L9, L11, L13  467  C E 44  Depress the ENTER key. (See Note  ARS  ARS  ARS  ARS  ARS  ARS  ARS  AR	3, and L18	5.		the care	gor aga	S of	Se LVE	ren Per I Press	T R	o o	A G	nds unle eng (8)	N ark (D)	E vy	E S	spi sign sign sign mile	A h h h h h h h h h h h h h h h h h h h
Depress L1, L3 L5, L7, L9, L11, L13  L5, L7, L9, L11, L13  Depress the ENTER key. (See Note  ARR  ARR  ARR  ARR  ARR  ARR  ARR  A	8, and L18 s 1 & 2).	tions	will g	st q pan	n rouse of the control of the contro	in section in the sec	Se l'ye	property of the street of the	T R	TALL	A A G G G G G G G G G G G G G G G G G G	ons selection of the se	N arrange (G)	E was z	a surrent di	spi sign sign sign mile	A h h h h h h h h h h h h h h h h h h h
Depress L1, L3, L5, L7, L9, L11, L13  LETT STATE  Depress the ENTER key. (See Note  AND STATE  AND	8, and L18 s 1 & 2).	tions	will g	st q pan	n rouse of the control of the contro	in section in the sec	Se l'ye	property of the street of the	T R	TALL	A A G G G G G G G G G G G G G G G G G G	ons selection of the se	N arrange (G)	E Z Z S wood a see .	a surrent di	interior in the control of the contr	A h h h h h h h h h h h h h h h h h h h
Depress L1, L3, L5, L7, L9, L11, L13  LETT PRINTS  Depress the ENTER key. (See Note  APR STATE  APP STATE  APR	8, and L18 s 1 & 2).	tions	will g	st q pan	n rouse of the control of the contro	in section in the sec	Se l'ye	property of the street of the	T R	TALL	A G object of the second of th	ons selection of the se	N arrange (G)	E Indiana San San San San San San San San San	a j	interior in the control of the contr	A si

3. Depressing the ENTER key automatically advances the display to step 3.

### GENERAL INFORMATION - TRUNK GROUP NAME ASSIGNMENT

This area of the memory block is used to assign names (of up to eight (3) characters, including spaces) to each trunk group. These names will appear in the displays of Multiline Terminals so equipped, when receiving ring trunsfered, DID, Tie line or UT truly to an attention.

A trade light and the same and

KEY F	UNCTION	(OF	FLIN	(E)			I						
SPKR - ON/OF	Line	-			MO	FFAS	4	LAIT	MI-UM	anar.	6,3112	100.18	EMORY
F/W -													le de
CLEAR -	9.6	1921	21			_	1	WA					
ENTER - First	initializatio	n con	20000	d			1						
B/W -		La constituta de la con	STATE OF THE STATE OF				1					and the second second	
A SHE CASE AND SHEET	AND WARRIED	1 2 3 1		1000		100	1						Go off lin
GUIDE TO	FEATURE	PRC	GR/	AMN	IINC	G G		HEAT					
MEMORY BLOCK BEING	MEMORY BLOC	K THAT	мем	ORY BLO	CK THA	TMAY	1						
PROGRAMMED	MUST BE PROGRA	MMED	HAVE	TO BE P	ROGRA	MMED	1						
3 5	LALIT	Tall	1111			2 4	1	L1	L2 L	3 L4	L5	L6	.7 L8
204							1					the state of the	
3D1							-						
							1						
ALL CPU leve	ls			51 CH 2 1 1 1 1			1	L9	L10 L1	11 L12	L13	L14 L	.15 L16
3 2 1	AIT		M 1		41	4 5	1						Degress F
NOTES:							+						
programmi returned to automatical	V.T.Z.E	ind the property of the	he spogra	yster mmir INE all tra	n da ng st mod	ita is tation le.	w e	SPKR 1	F/W ABC 2	ENTER  DEF  3  MNO 6	F3 F4 F5 F5	3	F11 F12 F13 F14 F15 F16
				TIT		-	1				F7		
			en de ferida en				1	PRS	TUV	WXY			F17
				131	5		9	7	1/1/8	9	F8		
				أدروه والمراوية	and the second second		1					76	F18
									OPER		F9	(D)	
		3.1			2 1			0 *	0	#			F19
				بأبسنيا			1				F10		
							1			B/W		Ц	F20

### **GENERAL INFORMATION - FIRST INITIALIZATION**

This area of the memory block is used to reinitialize the system software and hardware. The system program is returned to default and all calls in progress are dropped.

<u>OPERATION</u>	– AN	D·					>	Jan Strategy	SP	27/07/2007	- C-1				- 39	EAJ
Go off line.			0	F	F	-	L	1		E	8211	(	Χ		Χ	Х
			Р	R			R	2000	М	22	M		D	E	GH OCC	200
Depress F3, then F9		S	103	5036.6						1		Α	L	1	Z	Е
															1	a
agginia signi, dalam paramatan paramatan a maja palama, maja masa manatan a manatan ka ma maganan palamatan pamatan garandan garandan bahasan pamatan garandan garandan pamatan ka maja maja maja maja m	garanteen op	T						I							teratus densa	
811 211 411 211 211 211 011 011 Depress F12.	E1	H	2	N	D		1	N	1	Т	1	Α	110	(rad	Z	E
			_	IN	U			IN	1	-	1	A		-	-	121
															158.10	
Depress ENTER key. (See Notes 1 and 2).	2000	+	-	u bu sin	10, D	N	_	T	100	11.7	a.	STI S	z	E	LE JE	0291
Bepress ENTER Rey. (See Notes I and 2).			1101	1	N	IN	P	R	0	G	R	E	S	S	755.20	493
ESTATE STATE OF THE STATE OF TH	9392	۳		Ass	196	H 16		Ett	9	O	EPA:	i be	100	-	20010	STAR
Section 1				mi :		ni l	la e	980								
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																
NOTE: Briefly, the display on all s	tation	is w	illg	go bl	lanl	c, th	ien	IN	TI	AL	IZE					
will be displayed momenta	rily be	efor	e re	tur	nin	g to	tim	ie ai	nd d	late						
	12	+		Τ.	_	_	Т	_	Г	1						
D D D D N I	T 1	A	L	1	Z	E	-	-	-	-						
8/4 B   B   B   N   I	11	A	11	11	12	1=	_	1	1	1						
		7	1	7	-	1	1	1	T	7						
(1) e1   1   A254										1						

#### GENERAL INFORMATION - FIRST INITIALIZATION

This area of the memory block is used to reinitialize the system software and hardware. The system program is returned to default and all calls in progress are dropped.

MARIEMAN CARROLL TO STUBBLE HOLDER

KE	Y FUNCTION (OFF	LINE)	
SPKR - ON	OFF Line	MULL	EMORY BLOCK 3D3 - SLOT INITIALIZA
TEL#-			
F/W -	VA YETSY	FT	02A
CLEAR -		194	
B/W-	condinitialization co	ommand	
D/W-			A SHOULD
GUIDE	TO FEATURE PRO	GRAMMING	
MEMORY BLOCK BEI		MEMORY BLOCK THAT MAY	
PROGRAMMED		HAVE TO BE PROGRAMMED	Depresa T.3, then T.9.
			L1 L2 L3 L4 L5 L6 L7 L8
202			
3D2			
			7
ALL CPU	vels.	1 2 3 6	L9 L10 L11 L12 L13 L14 L15 L16
		MODULE	
NOTES:			#####################################
1. Depress	A. A. Walnut I	Telefile.	Dial abdule of lower [1-4] of the slot to be
1. Depress	ing the ENTER key	causes the system	MIC TEL# CLEAR 1995 P11
time is	e to reset. Any traffelessed.	ic occuring at this	Example: Monte I (See Note 1).
wille 19 t	eleased.		
2. Make s	ure that all battery	switches on the	
ETU's a	re turned on before p	erforming a second	
initializ	ation. Failure to do	so may result in	TOURSHIP OF OT FILE PRINTED
program	loss.	3 Jule of	ABC OEF ON SOURCE ABC
			1 2 3 55
			F15
1 2 1	LNITIA	7 0 1 2	GHI A JKL 5 MNO F6 TIME STEEL
		3 Jula olm	
		The state of the s	TOWN Hen initialized
alsinia	A 1 7 1 1 1 A		PRS TUV WXY G F8
			Tegra not uttaitzed
TELET	1 JANTI	NITION	
			OPER #
			× 510
			Light was to go be closed in the

### **GENERAL INFORMATION - SECOND INITIALIZATION**

This area of the memory block is used to reinitialize all system hardware. All system software and user programming is retained, after the second initialization.

OPERATION <	- AND	-				>	D	ISP	LA	Y							
. Go offline.		F	-	-		-   1 G   1	L R	-	N	E	M	( 0	X	· E	X	X	)
Depress F3, then F9.		S N	4 5	Sobo	138.5	1 9	1	N	1	T	1	Α	L	1	Z	E	089
polypipingka Belomengen - Samoneman Bengingun - Inganingan Singapingan Singapingan Singapingan Singapingan Sin Kanada palamengan dan pendanan pengangan menangan pengangan kanada pendanan pengan dan bengan pengan menangan Kanada pengangan pengangan pengan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengan															\$2	3.6	
Depress F13, [67] [67] [67] [67]	e	-	s I		-	r L	Ε	7	N	Τ	T	I L	A	L	1 *	Z	Ε
															:23	TO	И
Dial module number (1~4) of the slot to be initialized.  Example: Module 1. (See Note 1).			S		) .	E L	E	1	N.	ot:	T	1 L	A 0	T	d:	Z	E
	ix se		n			i w		nol	lac	ř. E II							2
Dial slot number (1~8) to be initialized.	[	Dali	S	L	5	Т	119	f	N	T.	T	1	Α	L	1	Z	E
Example: Slot 5. (See Note 1),		M	0   1	וס	J T	L [	E	1			S	L	0	T	5		
Depress ENTER key.	140	1	s I		)	г		1	N	1	T	1	Α	L	1	Z	E
Talentina I I I I I I I I I I I I I I I I I I I		M	C	ו	1		Ε	?			S	L	0	Т	*		
# 10 YXM & YVI	2995	1	s I	LC	) -	тТ		1	N	1	Т	1	Α	L	T	Z	E
(2) when not initialized		-	-	Г		-	N	1	Т	1	A	L	1	Z	E	D	
E11 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	

### GENERAL INFORMATION - SECOND INITIALIZATION

This area of the memory block is used to reinitialize all system hardware. All system software and user programming is retained, after the second initialization.

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SPKR TEL#	ι- (	)N/O	FFL	ine	LETO'A	FLINE	20000000	17/53	a ar	yam	CLASSING TO STATE OF THE VICTORY
F/W -		ncre	nents	modu	ule an	d slot r	numbe	r	-		
CLEA	R-			Ÿ,	SPLA	161			dw		in the second second
ENTE	R-E	nter	s each	slot	initia	lizatio	n				
B/W -	24	110	1.3	10 F.OF	numb	11 11 11 11	-	115			Jo off line.
GI	UIDE	TO	FEA	TURE	PRO	GRA	MMIN	IG o			
MEMORY 8		ING		ORY BLO		1 55 17 17	Y BLOCK T				
ROGRAMA	MED		MUST 8	E PROGR	AMMED	HAVETO	BE PROGR	RAMMED	1	1	L2 L3 L4 L5 L6 L7 L3
20	2	-									L2 L3 L4 L5 L6 L7 L8
3D	2	-	-	-		- Constanting	and the same of the same				
75 50 18 48					14			q i a	7 -		
CPU-I	EB3 o	r hi	her.				T	1 3	L	9	L10 L11 L12 L13 L14 L15 L1
NOTE	S:				receptor Toronica			on and the control	and a real		
E. Do	ring	sten	4 the	etata	10 00 1	l to L	100	8.18			Dial specion nu post to be initialized.
the	type	of ca	ard as	signe	d to t	he slot	chose	n. See		AIC.	Stephen Stephen
fig	ure b	elow				3100	0110361	Det		n I C	TEL# CLEAR F2
Li	L2	L3	L	4	L5	L6	1.7	Tro			F12
2 1 22	14	1.0			16		L7	L8	- I	PKR	FAW ENTER 63 53
COI	TLI	SL	MF E/	A 100 PM 100 PM	OT	CNF	NOT	VM			F4 3 F13
			127	. 10.	JUD		USED	1			ABC DEF F14
L9	L	10	L11	L12	L13	L14	L15	L16	71 -		2 3 be 3 be 1185   Jon no Ver col
ESI	ES	SI	ECR	NOT	NOT	NOT	NOT	NOT	GHI		JKL MNO F6
EA	E			USED	2	USED				4	
1121		1/4	- 1	ED	MI		191		PRS		75 SSA STATE OF STATE
			غيالست			Lili	LEL	2 2	9 ["	7	10V 8 WXY 9 F8
Ter		ON:		ssign	ed igned						F18
		TA.		Ju 455	gned	1-1-	IMI				OPER 0 # F9 D 8 F19
		and the same of	the residence				121	2   2	9-	~	F10
											B/W F20
12	1 1				40 1 1						1. di diamento
		1.5			И .		MI	1 3			Depress ENTER key
					ببياني	1111					(1) When initialized
1-3-					44		+4H-4	9+-9-			
10	ZE		GE	NER	ALI	NFO	RMA	TIO	N - S	LO	TINITIALIZATION
	19.05	ho m									[[[마다 [[[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [
higaro	a 01 t	He II	emor	A DIOC	K IS U	sed to	initial	ize int	erface	arc	ds to the CCU interface slots.
his are						1010	1:01	1 12 1	4		Y To access port area, depress Life.
his are				, i., i.					wist		

OPERATION <	- 0	ners nents slot number  YAJQSIQ   nter (each slot initialization													Lear Enter-e				
Go off line.			O P	F R	F O	G	L R	I A	N M	E IR	JT.	( M	-	D	X	X	)		
Depress F3, then F9.		S	Υ	S	2003	B YAD	1	N	T	T	ROME	Α	L	T.	Z	E	100		
Depress F14.  Oral [Era] [Sta] [Tra] [Dra]	[19]	T	E	R	M ?	. ?	?	1	N	1	Т	1 9d	A	L	1	Z	E		
Dial station number to be initialized.		T	E	R	M	2.0		1.	N	L	т	.1:	A	L	L	Z			
Example: Station 120.	200.	T	E	L	1.	2	0		3 b	102	Rel	les.	wo	ed :	e iy	11	1		
The state of the s	2002	T T	E	R	M ?	?	?	1	N	1	T	1	A	L	1	<b>Z</b>			
(2) When not initialized (See Note 3).		T	E	R	M		N	I	N	1	T	I	A	L Z	I E	Z D			
Bankan Branch College Branch College	A		70) 032		NON	F	IND LALI	TC COS	21.5	40		100		1831 H31		Z	į		
To access DSS/BLF area, depress L14.	785	D	S	S	?	Ė		1	N		ERA		A	_		_			
Dial DSS/BLF number 1~6 to be initialized. Example: DSS/BLF 2.	±	T D	E S	R	M 2	Ŀ		ήs	N	1	T	1	A	L	1	Z	I		
Depress ENTER key	united intersity of	T	E	P	M	T	_		N	1	Т	1	A	L	1	Z	T		
(1) When initialized		T	E	L	?	?	?	Ė	1,4	Ė	Ė	Ė			Ĺ		1		
(2) When not initialized (See Note 3).	SLC	T	E	R	M	i.	N	1	N	1	T	1	A 1	Z	E	Z	+		
da to the CCU interface slots.  To access port area, depress L15.		T	E	R	M ?	?	be ?	1	N	Ť	T	1	Α	L	1	Z			

F20

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL# - Selects port/device number F/W -Increments port/device number CLEAR -ENTER - Enters each port/device to be initialized B/W -Decrements port/device number **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT | MEMORY BLOCK THAT MAY ROGRAMMED HAVE TO BE PROGRAMMED L3 L4 L5 3D4 L9 L10 L11 L12 L13 L14 CPU-EB3 or higher. NOTES: There are three terminal initialization modes: CLEAR TEL # F11 Station, DSS/BLF and Port. When entering MIC Memory Block 3D4, the programing station will F2 default to station initialization. F12 3 SPKR F/W ENTER 2. Depressing the ENTER key causes the F13 particular station or DSS/BLF to be initialized. £4 . 4 F14 DEF FS. 3. If no initialization occurs due to abnormal conditions, the station or DSS/BLF should be F15 disconnected and connected (by unplugging and F6 GHI MNO plugging the line cord) or the associated ESI F16 6 ETU should be initialized. F7 F17 PRS TUV WXY F8 F18 D F9 OPER. F19 F10

### GENERAL INFORMATION - TERMINAL (TEL, DSS) INITIALIZATION

BAW

This area of the memory block is use to be initialize port devices including ESI-EA and ESI-EB ETUs. The port device can be indexed by port, station number or DSS/BLF device number only.

#### GENERAL INFORMATION - TERMINAL (TEL, DSS) INITIALIZATION

This srea of the nemory block is use to be initialize port devices including ESI-EA and ESI-EB ETUS. The port device can be indexed by port, station number or DSS/BLF device number only.

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KEY F	UNCTION (OF	FLINE)					ARCI F	SAMETE
SPKR - ON/OF	T Line							
TEL#-		TATHATA	ASSIL					12
F/W -								
CLEAR -	the state of the		AJED					
ENTER - Enter	s area type		53 253					
B/W -								
GUIDE TO	FEATURE PRO	GRAMMING					12140	7000
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT M	The second second					
BLE	Tie	3E10 . 3	y 2 L1	L2 L	3 L4	L5 L6	L7.	L8
3E1		3210					1,422	3 (245)
ALL CPU level		TIDIBIR	L9	L10 L	11 L12	L13 L1	4 L15	L16
NOTES:						harman haman		
				<u>.</u>				
<ol> <li>After step 3 region assig</li> </ol>	the display will ment.	show the previo	us MIC	TEL #	CLEAR	gianti:	(1)	F11
2. The followinumber-tha	ing is a descrip t can be entered:	tion of each ar	ea SPKR	.Eov	ENTER	F2 F3	3) .	F12
REGIO							TO 12411. 00	F13
NUMBI		G TYPE		ABC 2	DEF	F4 F5		F14
1	Direct Di	al/1 + Dial	-	4				F15
2	Independ	ent Telephone Co	. GHI	JKL	MNO	F6		
3	Puerto Ri	co (Type) Dialin	3 4	5	6	F7		F16
			PRS 7	TUV 8	wxy g	F8		F17
				Discount	-			F18
			*	OPER O	#	F9		F19
						F10	E)	

### GENERAL INFORMATION - REGIONAL DIALING ASSIGNMENT

This area of the memory block is used to designate the type of dialing area, where the system is installed. This information is important when applying code restrictions to stations.

### GENERAL INFORMATION - REGIONAL DIALING ASSIGNMENT

This area of the remory block is used to designate the type of disting area, where the system is installed. This information is important when applying code restrictions to stations.

The contract of the contract o

	OFF Line	ION (OF	ASSECTION	MORY BLOCK 3E3 - REJECTION CODE
TEL#-				
F/W -				AMA THE RESIDENCE OF THE AMERICAN
CLEAR -		1.7262254.23	4	
ENTER - En	ters assign	nment	ा । संबद्धार	
No. of Lot of the Lot	a nieu	M. IM	4 8 0 6 8 8	Go off line.
	THE RESIDENCE OF THE PARTY OF T	URE PRO	GRAMMING	
MEMORY BLOCK BEIN		Y BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED	Parameter State of the last of	PROGRAMMED	HAVE TO BE PROGRAMMED	L1 L2 L3 L4 L5 L6 L7 L8
252	2	C1		
3E2				
VRICIN	N 135	01010	HALD BUT F	Depreza F13. (See Note 1).
All CPU lev	els.	17	- 1300	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	AT TOT	dola		10 - D) abox maintains simils almeria left
1. L1 to L8	correspon	d to Truni	Groups 1 to 8	Dial simple digit relation code (2 - 9).  Example 2, as in the first relation code.
respectiv	rely	LS_L	F1 11131010	MIC TEL# CLEAR (8 F11
	IED O	V = 1+0	Halman	
Line key				(2) [512]
Line key		F = dire	ct dial	
	OF	F = dire	have provide the second se	SPKR FAW ENTER F3 3
	OF		E J E C T .	ENTER OV (See Note S).
	OF		have provide the second se	(S STOP 992) VO F13 3 513 3 514
	OF		E I E C T .	(S 930 / 992) vo F13 F14 F14
	OF		E J E C T .	SAR (S SJOM SST) VO ESTMS F13 S  1 ABC DEF 3 F5  Sabos sociosiss ismoitibbs yns act 2 ts 4 age F15  GHI JKL MNO F6
	OF		E I E C T .	ABC   DEF   FS   F13   F14   F14   F14   F15   F16   F16
	OF		E I E C T .	ABC   DEF   FS   F13   F14   F14   F14   F15   F15   F15   F16   F16
	OF		E I E C T .	ABC   DEF   FS   FS   F13   F14   F14   F14   F14   F15   F16
	OF		E I E C T .	ABC   DEF   F4   F14   F14   F14   F14   F14   F14   F14   F15   F15   F16   F16   F16   F17   F18   F18
	OF		E I E C T .	ABC   DEF   F4   F14   F14   F14   F14   F14   F15   F16   F16   F16   F16   F16   F17   F18   F18
	OF		E I E C T .	ABC   DEF   F4   F13   F14   F14   F14   F14   F14   F15   F15   F16   F16   F16   F17   F18   F18

#### GENERAL INFORMATION - 1 + DIALING ASSIGNMENT

This area of the memory block is used to designate whether 1+dialing and/or direct dialing service is required on the CO lines installed. This designation is assigned on a Trunk Group basis.

	OPERATION ~				VD	EAR YALIGE <														
The state of contract of the state of	Go off line.					O P	F R	F O	- G	L R	I A	N M	E	М	( 0	X	· E	X	X	
	Depress F3, then F10.		£1] [£3		S	Υ	S	HT XX	10.18	R	1	S	T	e yak	9 Y21	7	Α	-	1204	E
	Depress F13. (See Note 1)	ACMINISTRATION OF THE PERSON NAMED IN COLUMN	[01]	] [6]	R	E	J	E	C 1	T		С	0	D	E		A	S	G	N
	Dial single digit rejection of Example: 2, assigns the fit (See Note 3).	code (2 ~ rst reject	9). ion code.		R	E 0	J	E	1	T	100	С	0	D	rocqi		Α	S	E EU	N
		Altis		[2,305]*				_				s 4- 1 esit		39	0.	6.8	y L			
	Depress ENTER key. (See	Note 2).	36A	1,	R	0	D	E	2		Ė	С	O X	D	E		Α	S	G	N
	Repeat steps 4 and 5 for any	y addition	nal rejection	on code		equi	red.													
	Depress the SPKR key to	go back o	n line.	Z 200																

#### GENERAL INFORMATION - 1 + DIALING ASSIGNMENT

This area of the memory block is used to designate whether 1+dialing and/or direct dialing service is required on the CO lines installed. This designation is assigned on a Trunk Group basis.

F20

#### KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Selects code ONE F/W - Increments to next code CLEAR - Deletes rejection code ENTER - Enters rejection code B/W - Decrements to current code **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L8 3E3 L10 L11 L12 L13 L14 L16 L9 L15 All CPU levels NOTES: vneG Deny 1. During step 3 the display shows any current entry for code 1. MIC TEL # CLEAR F11 F2 2. Depressing the ENTER key causes the display F12 to increment to the next entry location. 3 F3 F/W ENTER SPKR 3 F13 3. Up to four single digit rejection codes can be F4 assigned. F14 FS F15 F6 GHI F16 F7 F17 F8 F18 F9 OPER F19 F10 E

### GENERAL INFORMATION - REJECTION CODE ASSIGNMENT

B/W

This area of the memory block is used to assign up to 4 single digit Rejection Codes. The Rejection Code is used to prevent a code restricted station from by-passing the dialing restriction by first dialing out a sequence of single digits.

	OPERATION	<u>A</u> —		— A	ND	-	e ideale			<b>→</b>	- <u>I</u>	DIS	PL	AY	21,1			- <u>21</u>	EA	
1.	Go off line.				E	O P	F	F	- G		I	N	3.8	-	(	X	E	X	X	
2.	Depress F3, then F10.		[2]	][1]	S	Υ			Jih Yi	R	E	S	T	YEION	724.0	Ī	Α	В	10.040	Ε
3.	Depress F14. (See Note	1)	[]]	] [ <u>e</u> ]	S	Υ	S			Α	L	L	0	w	1	D	Ε	N	Υ	
į.	Depress L1 to Allow or Depress ENTER key.	eny.	(10)			ina	1111;	ly c	1.5	two	de	ysk	pair	ed					L STILL STATE OF THE STATE OF T	11/
	Depress the SPKR key to	o go back	on line.	[1092]		ysk									er! Lot					
		[230]	[2]								las	91			gni			os c rais		
		i dans	E_30	P 100																
		E	B Voil																	
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	[a	Q																	

# GENERAL INFORMATION - REJECTION CODE ASSIGNMENT

This area of the memory block is used to assign up to 4 single digit Rejection Codes. The Rejection Code is used to prevent a code restricted station from by passing the dialing restriction by first dialing out a sequence of single digits.

Mark Assertion

and the second of the second of the second of the

KEY	UNCTION (OFF	LINE)	
SPKR - ON/OI	Cr Line	Y/	MORY BLOCK SES. TARLE ALLOWINE
TEL#- F/W-			
CLEAR-	DISPLAY	and the same the strain of the same than the	ANZ -
THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	rs allow/deny option	the state of the s	
B/W - V	is allow/delly optic		
		-11 -11 -12 -13 -14 -14 -14 -14 -14 -14 -14 -14 -14 -14	enil the of
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
3 2 2 A			L1 L2 L3 L4 L5 L6 L7 L8
3E4		partinent is reference in the	
JLT			
	22 121 2	allwould	
All CPU levels	S.	CITITIONA	L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	According to the second second		
	p 3 the indication o		
shows the p	previous assignme	nt.	MIC TEL# CLEAR STOTE STOTE FIT
110	4.11		F2
L1 On= Off=	Allow		F12
OH=	Deny		SPER FAMILIES ENTER F3 3 00 11 1
			F13
			ABC DEF F4 4 F14
. pinagaringaningan	y my manganagan kanagana managan managan		
8 1 1 5	TINIYIM	a I W O I I	I A I Z (se S) F5 NEER F15
			GHI JKL MNO F6
Suspensed harmonic record assessment	ele promotivament dissociation also magnifes expressed	a ang ngapalkanakan ng agira pang agiraping na na Sharin vi Sarit Peningter	4 5 6 5
	alder submittee e	Inches at Prints at no	reberiuper ealdst toaupsedus Harris are de squired er
			PRS TUV WXY F17
			7 8 9 5
			F18
			OPERAL IN SERVE 164 - DE OPERAL OF THE MANON
			* F10 E
			B/W F20

### **GENERAL INFORMATION - SYSTEM ALLOW/DENY ASSIGNMENT**

This area of the memory block is used to decide, system wide, whether code restricted stations are allowed or denied to dial numbers that do not match the codes entered in the assigned code tables.

EMORY BLOCK 3E5 - TABLE ALLOW/	DE	N	7			1,5130	Mel.	2.1.4	1.2		9511		101	NO NO	- 37	H
OPERATION A	ND	+						DIS							AR	3
Go off line.		O	F	F	- G	L	I A	M	E	М	11.7.3	X	E	X	X	
Depress F3, then F10.	S	Υ	S	ART 3	NC 31	R	E	S	Ť	AR 17	BLUE BLUE	T	A	В	L	I
Depress F15.  BIJ EIJ EIJ EIJ EIJ EIJ EIJ EIJ EIJ EIJ E	A	L	L	0 L	W	7	D ?	E	N	Υ			List	lel.	\$** J*3.	
Dial table number to be set (01 ~ 32). Example: Table number 14. (See Note 1)	Α	Ł	L	0	W	1	D	E <sub>O</sub>	N	Y	i ed	T.	B	La de	16	4
Depress L1 to allow or deny table chosen.	J. E., E.											De		= TOC		
Depress ENTER key. (See Note 2).	Α	L	L	0	W	/	D	Ε	N	Υ		T	В	L	1	!
Repeat steps 5 and 6 for all subsequent tables requir		rgo	to	step	3 t	o se	lect	ар	arti	icul	ar t	able	е.			
Depress the SPKR key to go back on line.	S. Comments of the state of the															

# GENERAL INFORMATION - SYSTEM ALLOWIDENY ASSIGNMENT

This area of the memory block is used to decide, system wide, whether code restricted stations are allowed or denied to dial numbers that do not match the codes entered in the assigned code tables.

- effective the subject of the transfer of the second of the subject of the second of the second of the second

	VEV E	LIMO	TION (OF	ETIME								44120000000000
SPKR - C					5 200 0			dan awar w		and the second	min vinc	car are are sec
TEL#-E	inters	new ta	ble numbe	er		HUU	7 72 1					
F/W - Incr	emen	s tabl										
CLEAR -	Entor	e allow	v/deny opt				AND -					
			le number		T to		7-20					
process parties of the											-	nii Ta a
	100000000000000000000000000000000000000		URE PRO									
ROGRAMMED	BEING		DRY BLOCK THAT			3011000						
NOGPOAMMED.	BIA	THE RESE	PROGRAMMED	T 52 1 52 1		CISMMA	L1	L2 L	3 L4	L5	L6 L7	L8
255		3 <b>E6</b> .	319	3E7.3	SE8							
3E5			lare a base allows			Anna marra y freezant	obs and					
		-	Later Tax	1 127								- Do
All CPU	levels	•			3 1 1	2 A	L9	L10 L	11 L12	L13	L14 L1	5 L16
NOTES:	السيناني	rightings.	hombinahan									
1 Divei	nor Cal	00 4	the LED	indianti	0.000	n I 1			Tank Sant			7
			vious assi				MIC	TELA	* American contracted a	tdibe set umber 14.	e number Tablen	dat lai
chose	en.	- 4					MIC	100.00	CLEMA	F2	21 W. C.	- CANADA
L1 L			low Table								1	F12
			eny Table or the tab				SPKR	FAW	ENTER	F3	(3)	
2. Depr	essing	the E	NTER ke	v causes	the d	isplay	Tolkida am	tr Breezew	N O <del>lar og 11</del> 0.	iine keys	10 10 10141 2 2).	F13
			ne next tab					ABC	DEF			F14
							1	2	3	FS		
15	ITST	T	JIBIT	In DI	TN	a T			40 min U	sall wa	5	F15
							GHI 4	JKL 5	ммо	1 994 / F6/8		F16
territoria de se	بالسنديماسي		ber andrew asher an	January Lander				الحا		F7		
		tiles e	a particula	taulan at		6 26 4 464	PRS	TUV	wxy	s. II a rest to	nts č sqs	F17
		11.125.81	arran arrangi s	A WIGGE OF THE	r 420	a ue ug	7	8	9	s itu zeta	ura o sda	F18
										F9		F18
								OPER O	#			F19
							-	<u> </u>		F10	(E)	इडव स्पृष्ठ
							2. 1. 1. 1. 1.		BAW		1	F20

# GENERAL INFORMATION - TABLE ALLOW/DENY

This memory block area of the program is used to individually assign each of the 32 code restriction tables as either allow or deny tables.

ND-20292 AND CHAPTER 3 M 3 T 9 3 8 SEPTEMBER, 1988

OP	ERATION	-		— AN	D -				>	D	ISP		Y	woll	a e			AR	
Go off line.					-	O F	F	- G	L R	I	N	Ε	n e M	(	X	e.ro	X	X	7
	entre de la companya del la companya de la companya						AHS Y	1	-	1000	20.00	1 3:20	OR YE		-	-	30 %3	OJE 2	80
Depress F3, th	en F10.		[2] [3]	] [[]	S	Y S			R	Ε	S	Ť	A pri	.2.	T	Α	В	L	1
Depress F16.	LIS ILIA		111   011		1	r R	U	N	K		G	_	Т	Α	В	L	Ε		Γ
Control of the same of	manual hamman	[21-7]	11111013	1.9		A B	-	E	?	?						197	911	735	
Dial table num	ber to be set	: (01 ~ 3	2)		1	T R	K	ois	G		T	В	4.6	3	on.	В	1	1	T
Example: Tabl	a number 1	A /Can's	and the second	processor	-		1.7	1	-	-	-	-	-	-	-	-	100	Dec.	۰
Dittingie, Lab	e itumber 1	4. (See 1	Note 1).	Light		910.82	8.03	1.01	WALL	IN IN		E 10	POI	970	an	5.88	119.00	1,000,000	L
	SA J	4. (See 1	Note 1).	2184		910.8	8,03	201	JAKE				wol			0.6	LE	IJ	L
	our line key		Individual of the second		prop	riate	Tru zib s	ınk	Gro	(Sto	for	ds? the	tab	le c	hos	en.	res		
Depress up to f (See Note 2).	our line key	s L1 to L	8 to assign			play	aib s	ink (	8981	(Sto	for	the	tab	le c	hos	en.	res		
Depress up to f (See Note 2).	our line key	s L1 to L	8 to assign			riate	aib s	ink (	Gro	(Sto	for	ds? the	tab	le c	hos	en.	res		
Depress up to for (See Note 2).	our line key	s L1 to L	8 to assign	the ap		yalqı	K	ink	G	.6	for yeal lda:	the FI	tab TIN	le c	hos	en.	res		
Depress up to for (See Note 2).	our line key	s L1 to L	8 to assign	the ap		yalqı	K	ink	G	.6	for yeal lda:	the FI	tab TIN	le c	hos	en.	res		

## GENERAL INFORMATION - TABLE ALLOW/DENY

This memory block area of the program is used to individually assign each of the 32 code restriction tables as either allow or deny tables.

and the state of the said the said the said of the sai

F/W - Incremer CLEAR - ENTER - Ente	new table number ats table number rs each table assignts table number		A.V.G	220.5.				HOME
GUIDE TO	MEMORY BLOCK THAT MUST BE PROGRAMMED 3E5, 3E9	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED 2C1, 2C3 3E7, 3E8	2 L1	L2 L3	3 L4 L	.5 L6	L7	L8
All CPU level	s. III A	T 3 J 8 A	L9	L10 L1		.13 L14		لتنتا
displays the to the table trunk ground LED On= Off=	e trunk groups p e chosen. L1 to ps 1 to 8 respective Assigned Not Assigned		MIC	F/W	CLEAR 1 18	F2 F3 F4	ele nun de: Tai	F11 F12 F13 F14
to each tab		ps can be assigned		2	See Note 3).	F5 F6	ENT	F15
to increme	nt to the next table	causes the display	GHI 4	TUV 8	e was a so	F8 F9	taps 5	F16 F17 F18

## GENERAL INFORMATION - TRUNK GROUP TO CODE TABLE ASSIGNMENT

This memory block area of the program is used to assign Trunk Groups to code restriction tables. Up to four trunk groups can be assigned to each table.

EMORY BLOCK 3E7 - TABLE OCC	FLA	G A	SS	IG	NN	Œ	NT		KIZ		isl.		)AN Tel			
OPERATION <	AN				1	nan		DIS	PL	AY	isi	in	2015	non - fi	L# FA	NEWNE
Go off line.		P	-	No.	a landing	L R	I A	N	Ε	M	(	X	E	X	X	
Depress F3, then F10.		S Y	S			R	E	S	I		36	T	Α	В	L	Ī
Depress F17. Arg [Etg] [Stg] [Ttg] [Otg]	[61]	C A	-	C	E	F ?	L ?	Α	G				175	0		
Dial table number to be set (01 ~ 32). Example: Table number 14. (See Note 1).		C	C	8.6	dex	F	910	A	G	ad:	A with	I.	В		1 ib	
Depress L1 to set or not set OCC flag to table of	hosen.							idos	qes }	7.8	l ko		013 :n(	ink B (		
Depress ENTER key. (See Note 2).		C			pt s	F	L	A	G	F 1 T	20	T.	В	L	1	
Repeat steps 5 and 6 for all subsequent tables r	required		o to				- 07	and '								
Depress the SPKR key to go back on line.	-															

# GENERAL INFORMATION - TRUNK GROUP TO CODE TABLE ASSIGNMENT

This memory block area of the program is used to assign Trunk Groups to code restriction tables. Up to four trunk groups can be assigned to each table.

SPKR - ON/OI TEL # - Enters F/W - Increment CLEAR - ENTER - Enter B/W - Decreme	new table numbers each table as	er ssignm er		- 7	नांच	MORY BLOCK SES - TABLE -O.C.C.OD S AN J Go off line:
GUIDE TO MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK T	HAT ME	MORY	BLOCK TH	YAMTA	L1 L2 L3 L4 L5 L6 L7 L8
3E7	3E8	a p	5	Б	2 6	81% apartra 0
OCC flag chosen.	ep 4 L1 LED had previously  n = OCC flag  ff = OCC flag  g the ENTER I	been  O O set not set	set	to the	table	MIC TEL & CLEAR F1
	nt to the next t	able.		E 2	hite of many	1 2 3 F5 F15 F15

# GENERAL INFORMATION - TABLE OCC FLAG ASSIGNMENT

This memory block area of the program is used to assign an OCC flag to each table. All stations assigned restriction tables that have the OCC flag set are allowed, or denied, to dial the common carriers, which are specified in memory block 3E8.

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IIV	EMORY BLOCK 3E8 - TABLE OCC C	ODE	A	SS	IG	NI	IE)									. H.	
descriptodeladolyk	OPERATION <	- AND	-				>	<u> </u>	DIS	PL	AY	lds	20.	ters	212	nl RA!	I'I NA
	Go off line.	E	O	F	F O	- G	L R	I A	N M	E	M	0	X	Ė	X	X	)
Augmobility and Augmobility and August Augus	Depress F3, then F10.	S	Y	S	100 K	9.50	R	Ε	S	т	odes a	197.0 197.0 E.8	Т	A	В	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E
	Depress F18. [813] [813] [813] [813] [113] [013]	e T	0 A	СВ	C	E	?	0	D	Ε				lov	ol U	40	11
	Dial table number to be set (01 ~ 32).  Example: Table number 14. (See Note 1).	C	0	C	C	4	C	0	D	E	0	?	7	B ?	L	1'	4
	Dial last three digits of OCC code to be entered.  Example: 233.	c	0	C	C	1	С	0	D 98	E 1	0	2	3	B 3	L B	1	4
delength and the second second	Depress ENTER key. (See Notes 2 and 4).	c	0	-	C	2	C	0	D	E	0	?	T ?	B ?	Li rior	1.03	4
	Repeat steps 5 and 6 for the second code to be enter	ered at	the	cho	sen	tal	ole.	(Se	e N	ote	3).						
	Depress TEL # key and repeat steps 4 to 7 for all additional tables required.	7	0 A	C B	C L	E	?	?	D	E							
	Depress SPKR key to go back on line.																

# GENERAL INFORMATION - TABLE OCC FLAG ASSIGNMENT

This memory block area of the program is used to assign an OCC flag to each table. All stations assigned restriction tables that have the OCC flag set are allowed, or denied, to dial the common carriers, which are specified in memory block 3E8.

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	V - I																												1
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	TE							code	,																				1
B/W	V - E	)ecr	em	ents	tal	ole r	num	ber				1	3	10												.em	i tho	σĐ	
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2.	De	pres	ssin	gth	ne E	INI	ER	ke	v ca	ius	es t	he o	list	olav			1		l/o[	- 13	٦.		14.5	1		obe	E	12	
		ncr											0		H	SPKR	]: b	F/W	30[	ENTER		B 11	F3		3	) :	1	13	
3.	Up	to 2	200	CC o	ode	s ca	ın b	e se	tin	ea	ch c	ode	tak	ole.								[	F4				1		Sec. 1
j.			8			1/1	a.		А		1.3	G	0	٥		-		ABC		DEF		1	1450	4	l ab	05.8	15	14	
4.	Du	rin	g s	tep	6	the	di	spla	ау	ma	y s	ho	W &	any				2			3]	31	- F5		1977	4	F	- 1	
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K			9			M	Ð	2	A		Ti	To	To	Ī		<sup>GHI</sup> 4		5			5				abo	20 80	F	16	Contract Contract
100	-	la securio Ign			Jie	1		F.A.				Ta										77	£7	4		0.1	-		SECON
											1	Auth				PRS 7		TUV Q		WXY	0		F8				F	17	
B	T		8			14	Ð	E	A		13					,		0		E at	21 0 / 1	950			131	(8)	E	18	
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																e elds				B/W	].	100		7		(P)	10	20	J
																				BAW		1			~	900	1 6	20	

#### GENERAL INFORMATION - TABLE OCC CODE ASSIGNMENT

19. Depress TEL # key and repeat steps 4 to 8

for all tables required.

This area of the memory block is used to assign a maximum of 2 OCC codes to each code table. This can force code restricted stations that are assigned tables with OCC codes to dial long distance calls on less expensive carriers.

OPERATION AN	D -	La tions				->	<u>- 1</u>	DIS	PL		100 GBT					
Go off line.		0	F	F	-	L	1	N	E	ale	(	X	nio.	Х	X	
	_	Р	R	0	G	R	Α	M	38	500.0	0	D	E	Q11	/D	
Depress F3, then F10.	S	Y	S		38.0	R	Ε	S	Т	65.35	1805	T	Α	В	L	ħ
Depress F19.		С	0	D	E		A	S	G	N				- 6		Z
मंगे हिंग हिंग हिंग हिंग हिंग हिंग हिंग	Т	A	В	L	E	?	?					18	avi	10	90	E!
Dial table number to be assigned (01 ~ 32).		c	0	D	Е		Α	S	G	N		Т	В	L	1	T
THE CHARLE CARRY CAN	c	0	D	E	?		18.9	10	uq:	112 ( a.fata	135 - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 1	qe an	obe	* 131 mr.3	30	İ
Enter code number to be set (1 ~ 8).		C	0	D	E	9017	Α	S	G	N	1.04	Т	В	L	1	I
Example: Code number 5. (See Notes 1 and 2).	С	0	D	E	5		11-3	Α	X	Χ	X	233	0	Υ	Υ	
Dial area code to be set.		С	0	D	Е		Α	S	G	N	300	Т	В	L	1	I
Example: Area code 516.	C	0	D	E	5			Α	5	1	6	00	0	Υ	Υ	
Dial office code to be set.		С	0	D	E		Α	S	G	N		Т	В	L	1	T
Example: Office code 777.	C	0	D	E	5			Α	5	1	6		0	7	7	
Depress ENTER key. (See Note 3).	Ì	С	0	D	Ε		Α	S	G	N		Т	В	L	1	Γ
PAT   A   D   T	C	0	D	Е	6	_		Α	Χ	Χ	Χ		0	Υ	Υ	
depeat steps 6 to 8 for all code numbers in the table a	s re	qui	red.	(Se	e N	Tote	s 4	and	5).							
Depress TEL # key and repeat steps 4 to 8 for all tables required.	Т	C A	O B	D L	E E	?	A ?	S	G	N						
LE OCC CODE ASSIGNMENT	ПΔ	er er			TZ	1 B./I	Sic	121	Al	1A	gq	143	Đ	10639		77

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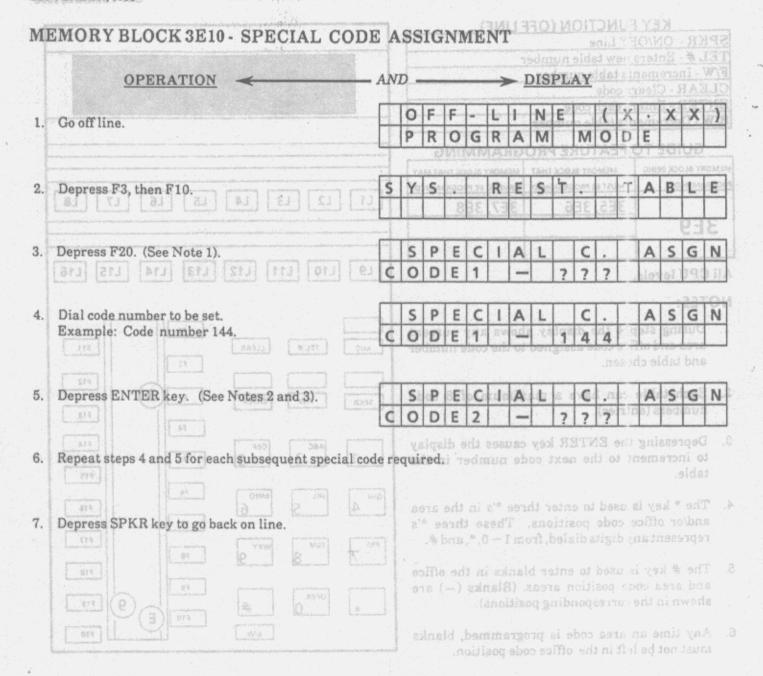
1.8

KEY FUNCTION (OFF LINE) BLOCK SEID - SPECIAL SPKR - ON/OFF Line TEL # - Enters new table number F/W - Increments table number CLEAR - Clears code ENTER - Enters each code B/W - Decrements table number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY ROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 L8 3E5, 3E6 3E7, 3E8 3E9 L9 L10 All CPU levels. L12 L13 L14 L16 NOTES: 1. During step 4 the display shows any current d Etc. area and office code assigned to the code number MIC TEL # CLEAR F11 and table chosen. F2 F12 2. Each table can have a maximum of 8 code SPKR FAV ENTER numbers (entries). F13 F4 3. Depressing the ENTER key causes the display F14 DEF to increment to the next code number in the F5 table. F15 F6 GHI MNO 4. The \* key is used to enter three \*'s in the area 4 6 F16 and/or office code positions. These three \*'s 12 E7. represent any digits dialed, from 1 ~ 0, \*, and #. F17 PRS TUV F8 5. The # key is used to enter blanks in the office F18 and area code position areas. (Blanks (-) are F9 OPER shown in the corresponding positions). 9 F19 F10 E 6. Any time an area code is programmed, blanks B/W F20

# GENERAL INFORMATION - RESTRICTION TABLE CODE ASSIGNMENT

must not be left in the office code position.

This area of the memory block is used to program area and office codes into the system code restriction tables. There are 32 code tables available and each table can hold up to 8 area and office codes.



## GENERAL INFORMATION - RESTRICTION TABLE CODE ASSIGNMENT

This area of the nemory block is used to program area and office codes into the system code restriction tables. There are 32 code tables available and each table can hold up to 8 area and office codes.

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KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL# - Returns display to code 1 F/W - Increments code number CLEAR - Delete special code assigned ENTER - Enters each code B/W - Decrements code number **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L7 L6 L8 3E1 3E10 L9 L10 L12 L13 L15 L16 All CPU levels. NOTES: 1. During step 3 the display shows any current 81 Special Code entry in the first code location. CLEAR F11 MIC TEL # F2 2. Depressing the ENTER key causes the display F12 to increment to the next code location. Up to 8 3 F3 ENTER SPKR FAV Special Codes can be entered. F13 F4 3. When the (Puerto Rico) Special Code is F14 DEF assigned in the area assignment, code table 32 F5 becomes the Special Code table. F15 F6 F16 6 F7 F17 F8 F18 F9 OPER F19 F10 10 F20 9/W

# GENERAL INFORMATION - SPECIAL CODE ASSIGNMENT

This area of the memory block is used to enter Special Codes into a table. This table is used only when the system area is programmed for the Puerto Rico area in memory block 3E1.

Go off line.  OFF-LINE (XXXX)  PROGRAM MIMON DE DID  Depress F4.  STAN DE DECEMBRA DE DE DE DE DE DE DE DE DE DE DE DE DE	Ť	PERATION	4	—— A	ND —			>		DI	SPI	LA	<u> </u>		iaic					AS
Depress F4.  By Til By E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1	Go off line.					Ē	-	-	-	- G	L R	I A	-	_	m n	(	X	eg:	X	X
Depress F11. (See Note 1).  SYSTEM RESTORE  AND SHE STORE  THE CHARGE in the system status is required, go to step 6.  SHE STORE  SHE STORE  SHE SHOW AND SHE STORE  SHE SHE SHOW AND SHE SHE SHE SHE SHE SHE SHE SHE SHE SHE	Depress F4.	[S] [S]		E   E	] [14	С	Α	R	D	30 C	(C)(A)	N .	AHT	270J	8 Y80 485 3	13		54/13	8 X30	AR Y E
Depress ENTER key to restore the system.  When the Puerta Rico) Special Code is assigned in the assigned in the system the Code scan be entered  Special Codes can be entered  Special Code is assigned in the assigned in the code table 32  Becomes the Special Code table 32  Depress SPKR key to go back on line.  Special Code table 32		[113] [114]	SLI [	ra) [or.	[61]	S	Υ	S	Т	Ε	M		Α	L	L		В	U	S	Υ
Depress ENTER key to restore the system.  Depress ENTER key to restore the system.  English Codes can be entered  Special Codes can be entered  English Code	Depress F11.	The second second				S	-	-	-	-	-	ani	-	-	-	-	-	-	-	e e i
Depress SPKR key to go back on line.    Second table   Second tabl	Section and Control of the Control o	A Shannania	- Agentus distance in standing	Deleteration of the second	Survivoji (princenti) - princentoji (princenti)	р6.						01.5		ixe	ii ai	lt o		anti)	nere	il di
Depress SPKR key to go back on line.	Depress ENT	1 December	ore the s	system.								nejî								
	[ tes]	The second second			- yayaan makanai															
	Depress SPK	processors of the second	k on line	. 5	7 245	Bauge Laboratoria														

## GENERAL INFORMATION - SPECIAL CODE ASSIGNMENT

This area of the nemory block is used to enter Special Codes into a table. This table is used only when the system area is programmed for the Puerto Rice area in memory block 3E1.

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56.5
6.6

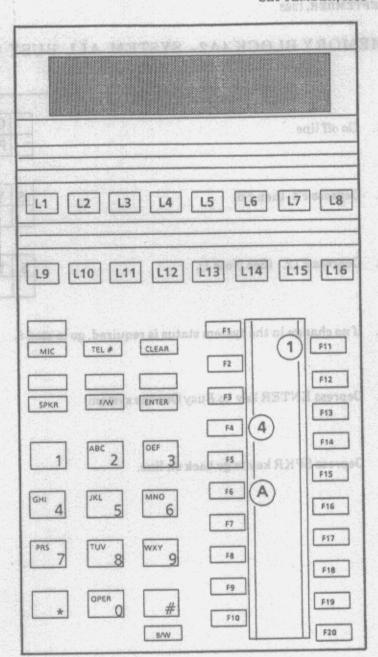
### GUIDE TO FEATURE PROGRAMMING

MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED
		4A2
4A1		
		ENGINEER STATE

All CPU levels.

#### NOTES:

- 1. During step 3 the status of line key L1 indicates if the system is busied out.
  - L1 ON = System busied out OFF = System not busied out



# GENERAL INFORMATION - SYSTEM ALL BUSY RESTORE ASSIGNMENT

This area of the memory block is used to restore a system that is busied out. During a busy out condition, the system does not provide any call processing. Programming station is able to enter program mode during a system busy out condition.

Go off line.    O F F - L   N E ( X · X X X Y P R O G R A M M M O D E   N E R O G R A M M M M O D E   N E R O G R O G R A M M M M O D E   N E R O G R O G R A M M M M O D E   N E R O G R O		OPER	ATION	-		AND -			>		DI	SPI	A								AR	
Depress F12. (See Note 1). St. Ff. Gr. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. Y. S. T. E. M. B. U. S. Y. O. U. T. S. S. T. S. S. S. T. E. M. B. U. S. Y. O. U. T. S. S. T. S.	Go off line	е.	Alle von Fryslandskrigening amerik					-	-	-	- G	L R	I A	-	-	М	0	-	E	X	X	
Depress F12. (See Note 1). Still ffill 6fill 8 S Y S T E M B U S Y O U T  RAND 1987  The change in the system status is required, go to step 6. Set spin in 1.1 year and to substant a dest spin in 1.1 year a								-	-	AHT 3			MEN.	TAN	4,100	-	ома пома	n en en	-		-	IRC
Depress F12. (See Note 1).  If no change in the system status is required, go to step 6.  Part of the	Depress F	4, then	§6. [2.1			][[2	S	Υ	S	T	Ε	M	LD.	Α	L	L	28	3	U	S		
If no change in the system status is required, go to step 6.    Sales    Depress F	12. (Se	e Note 1).	[112]		ora) [	S	Υ	S	Т	E	M		В	U	S	Υ		0	U	I		
Depress SPKR key to go back on line.    A	If no chan	ge in the	system s	tatus is i	required	l go to	sten 6															
A   A   A   A   A   A   A   A   A   A	575	U	67	LEASE		u G l C	Shirt	. 5	sin	ibn					iro l	beis id a	ud nai:	e. m		NO (s e Sur	Duc Muh	
Est E VICT E VICT E	Depress E	NTER	sey to Bus	sy Out th	e system	m.	Shirt	2	sin:	zion					iro l	beis id a	ud nai:	e. m		NO (s e Sur	Duc Muh	
	Depress E	NTER	to go bac	sy Out th	e system		445	. 2	oik:	ndi	113				iro l	beis id a	ud nai:	e. m		NO (s e Sur	Duc Muh	

# GENERAL INFORMATION - SYSTEM ALL BUSY RESTORE ASSIGNMENT

This area of the memory block is used to restore a system that is busied out. During a busy out condition, the system does not provide any call processing. Programming station is able to enter program mode during a system busy out condition.

STATE OF THE PARTY OF THE PARTY.

Parallellar Transport additions

SPKR - ON/O	FUNCTION (OF		
TEL#-	rr bine	VALUES	MORY BLOOK ARL. COLL EMPLATIONS
F/W -			
CLEAR -	Y # 19	RICI -essentiamente	- GVO
ENTER - To bu	isy out		
B/W - V I V	ly Malain	Marian Parkara	So off line.
GUIDE TO	FEATURE PRO	GRAMMING 9	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
ROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	A CONTRACTOR OF THE CONTRACTOR
	機能強力	4A1   0 8	L1 L2 L3 L4 L5 L6 L7 L8
4A2		24 25 25 25 25 3	
7772			najer)
			[10] [40] [40] [40] [40] [40] [40]
All CPU levels	3.		L9 L10 L11 L12 L13 L14 L15 L16
MOTES 3 3	LIALLI	11011 10	Repress F 11. (See Nete 1).
NOTES:	OT TO	002 5 6	MILLS.
if the syste	System busied out. System busied o		MIC TEL# CLEAR  F11  SPKR F/W ENTER F3  F13
Filals	TITALITY	I II WELL THO	1 to 1 1002 DO one 3 (8 Tipe of min to be USS) last
			tal CCU flot num [241] 8)   Eare CC 2007 is [1]
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			GHI 4 JKL 5 MNO F16
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	STO	12 100	migraed   xample Offer nel 1 (Che Nel 2) 7   1
Paradimentum de la companya del companya del companya de la compan			F18
'lle a	LED(s) turn on or	port. Corresponding	PF10 F10 F20 F20 F20 F20 F20 F20 F20 F20 F20 F2
ZEIT	TIJALIJ	TIM II III	epress ENTER key. (See Note 3).

# GENERAL INFORMATION - SYSTEM ALL BUSY OUT ASSIGNMENT

This area of the me mory block is used to busy out a system. During a Busy Out condition, the system does not provide any call processing.

	OPERATION -	ND					>	DIS	PL	AY				ted	oT.		
1.	Go off line.		O P	F R	F O	G	L R	A	M	E	M	(	X	Б.	30	X	2
	Depress F4, then F7.	C	A	R	D	0111	M	0	D		E-OA*	5E.T	i ivi			\$/2	À
	Depress F11. (See Note 1).	C M	0	D	?	I	N S	I L	T O	I T	A *	L	C.	Z	E *	1 23	
	Dial CCU module number (1 ~ 4) where COI port is to be programmed. Example: Module 1.	C M	0	I D	1	1	N S	1 L:	T O	T	A ?	Ľ.	0	Z	E *	1	
	Dial CCU slot number (1 ~ 8) where COI port is to be programmed. Example: Slot 2.	C M	2000	I D	1	L	N S	I L	T O	I T	A 2	L	C	Z	E ?	1	
	Dial COI channel number (1 ~ 4) of COI port to be assigned. Example: Channel 1. (See Note 2).	C M	0	I D	1	1	N S	I L	T 0	I T	A 2	L	I_C	Z H	E 1	1	
	Depress L1 to L12 to set the desired parameters of th accordingly.	e CC	I po	rt.	Cor	res	pon	din	g Ll	ED(	s) tı	urn	on	or o	ff		
	Depress ENTER key. (See Note 3).	С	0	I D		1	N	1	Т	1	A 2	L		Z	E	1	

And the second of the second o

	UNCTION (OF	LINE)				8881	HEREEE, R.
SPKR - ON/OF							
	COI port number		OHERE.				ini
	its channel numb	er .					
CLEAR -							
	rs each assignmer nts channel numb		CVA				
D/W - Decreme	nts channel num	er					
GUIDETO	FEATURE PRO	GRAMMING					Canfille
MEMORY BLOCK BEING	ME MORY BLOCK THAT	MEMORY BLOCK THAT MAY					
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED					
4B1		482, 486, 487	L1	L2 L3	L4 L5	L6 L7	7 L8
4D I		es hat les o a	Test T			1967	and the second second
All CDYLL	/C 7.41 31.4	The last 1 st 1-st 1				da chemonia da si	
	(See L4 in Note:	6).				1 [[]	
NOTES:			L9	L10 L11	L12 L13	L14 L1	5 L16
		e programmed prior					
		ng overrides all 4B1				713	Depresal
	ng already done fo	or all the trunks in				F1	
the group.			MIC	TEL# C	LEAR		F11
2. During ster	6. the status of L	1 to L12 LEDs indica	te			F2	
나 없는 아이는 아니는 그 나를 살아내는 그래요?	그리 경영하는 모든 물에 가장하게 되었다. 그리고 하는 것이 없는 것이 없다.	the COI channel cho	and the second s				F12
See figure b		<b>的歌音》,李蒙多物歌越</b> 音(	SPKR	F/W E	NTER	les auns ser	Dust inoc
	r 20 PPS for rota	ry dialing	) N		Loduie I	Example: A	F13
	fault: 10 PPS)		inealthy size of			F4 (4)	
		ing (Default: DTMF)			EF		F14
L3 = CO	or PBX line inter	face (Default: CO)	1	2	3	F5	
	connect Signal fro		ined. C	art to be assi-	e 100% (2	numbet Lea	F1S
(De	fault: NO) (CPU-I	EB2 or higher)	GHI	JKL. M	NO L	Slot 8	Same 1
L5 to L8 =	DTMF digit dura	tion	4	5	_6] _		F16
	50 mS. x M)				L	F7 (B)	
prophilipped to approximate	(Default: 110		PRS	TUV W	XY _		F17
L9 to L12=	CO Hookflash tin	한 경험, 시 이렇게 되어 얼마라 그들이 사람이 되는 사람이 되었다.		عا والاستاد	<u>9</u> . – L	inei nun ogr	F18
	(100 mS, x M)			Sec Mote 21.	fannel L.	Example 1	716 314 8 455 6
المانية عاديدة المستوادة	Default: 150	0 mS.)		OPER			F19
2 Dameses'	AL - UNIMED I	ware the disable to	*		# _	F10	
		auses the display to l, or the first channel	100 action as	al parameta	8/Wall odd 19		F20
	t with a COI-E ET		10				
the next sio							
	LED OFF m	eans upper paramete	r		(See Note 3	INTER leny.	Depress B
			1				
LED	L1 Li	L3 L4		L6	L7	L8	Repeat st
OFF	10 PPS MF	CO NO	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DTMF DUT	RATION	an o tutte a side	an amonday.
			YES 23	72	21	20	
ON	2	DP PBX	YES 23	22	21	2998	Depress
	L9 L1	0   111   1	2 L13	L14	115	110	
LED	T9   P1	0   L11   L1	2 113	D14	L15	L16 %	

## GENERAL INFORMATION - COI-I INITIALIZED VALUES

This area of the memory block is used to set the desired parameters to COI-E ports on a per port (channel) basis.

20

 $2^3$ 

22

21

ON

E	MORY BLOCK 4B2 - COI-II INITIA	LIZI	ED	V	ΑL	U	ES								) get		2	
	OPERATION	A.	ND	_				>									R. R.	
	Go off line.			O P	F	F	G	L	lg:	N	E	8.81	(	X	©	Χ	Χ	503
	[2] [4] [5] [6] [7] [8]				984		8.6		200E 4.B		Hatata	u(2-8)	20.20	10%			G34	100
	Depress F4, then F7.		С	Α	R	D		M	0	D	Ε							
	[10] [11] [12] [13] [14] [15] [16]	61								(E :	207		M	988		975	5:	
	Depress F12.		C	0	1	la La	15	N	T	T	T T	A *	E	1	Z	E	2	0
	The production of the second o	261			D	i e(	ISI	S			io s		de st	C	H		nim	u C
	Dial module number (1 ~ 4) of COI port to be assigned. Example: Module 1.	ANNE	C	0	l D	1	T	N	٢	T O	T	A ?	L"	L	Z H	E *	2	41.
	[ A16] [			(E	MT	D	dio.	23eC 3=0	D g	oile	ib?			anit ny e n			220	.2
	Dial slot number (1 ~ 8) of COI port to be assign Example: Slot 2.	GHI A	M	-	D	1	eler erig	N S	100 000 000		T				H	?	2	G.
	Dial channel number (1 ~ 4) of COI port to be assigned. Example: Channel 1. (See Note 2).	2119	C	0	I D	1	1	N	1	Т	1111	Α	L°	l C		E 1	2	е.
	[ 11	4																
	Depress L1 to L16 to set the desired parameters  Depress ENTER key. (See Note 3).	of the	co	)I po	rt.			i ou		Joi		15.7 10.	nex a C	Div		nor	ni ea	
	Repeat steps 7 and 8 for all additional COI ports	s as re	qui	red	or g	o to	ste	p 3	to s	ele	ct a	par	ticu	lar	со	I po	rt.	
	Depress the SPKR key to go back on line.	. 25		ars.	`	Ŀ	41	_		io.	7				И	0		
	31 [14 [15]	14		grj		L	lij But		L	61,1 08.0							ē.	
	The state of the s																	

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in the second of

#### KEY FUNCTION (OFF LINE)

SPKR - ON/OFF Line

TEL # - Enters new port number

F/W (Forward) - Increments channel number

CLEAR-

ENTER - Enters each assignment

B/W (Backward) - Decrements channel number

#### **GUIDE TO FEATURE PROGRAMMING**

MEMORY BLOCK SEING PROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED
4B2	17 10 15	481, 486, 487

	LINE	вит	TONS	II T	Hali
L1 L5 L9 L13	L2 L6 L10 L14	L3 L7 L11 L15	L4 L8 L12 L16	(HP) (DR) (PS) (IDI)	MOD MULTIPLIER (M)
0	0	0	0		0
0	0	0	1		1
0	0	1	0		2
0	0	1	1		3
0	1	0	0		4
0	1	0	1		5
0	1	1	0		6
0	1	1	1		7
1	0	0	0		8
1	0	0	1		9
1	0	1	0	12.00	10
1	0	1	1		11
1	1	0	0		12
1	1	0	1		13
1	1	1	0		14

Multiplier = M

HP (Hit Protection) Time = 50 mS. x M

(Default: 350 mS.)

PS (Pause) Time = 500 mS. x M (Default: 1000 mS.) IDI (Interdigit Interval) Time = (10 mS. x M) + 40 mS.

(Default: 70 mS.)

DR (Disconnect Recognition) Time = 100 mS.x M (Default: 300 mS.)

#### VALUES L1 L8 L4 L9 L10 L11 L12 L13 L14 L15 L16 CLEAR F11 MIC TEL # **F2** F12 2 F3 F/W ENTER SPKR F13 FA 4 F14 F5 F15 F6 GHI F16 В F7 F17 F8 F18 F9 OPER F19 F10 F20 B/W

#### NOTES:

#### All CPU levels.

- 1. It is recommended that 4B7 be programmed prior to 4B2, since 4B7 programming overrides all 4B2 programming already done for all the trunks within that trunk group.
- During step 6 the status of L1 to L16 will indicate the previous parameters set to the COI port (See chart).
- Depressing the ENTER key causes the display to increment to the next channel, or the first channel of the next slot containing a COI-E ETU.

### GENERAL INFORMATION - COI-II INITIALIZED VALUES

This area of the memory block is used to assign timing parameters to each COI port. For a description of each parameter, see section 350.

SEPTEMBER, 1988

EMORY BLOCK 4B3 - SLI COMMON V	ALUI	ES				7.90	ente	in Jr					HATE TELE				
OPERATION AND		>	160			(Forward) - Increments change											
Go off line.	P		F	- G	L	I A	N M	E	М	-	X I	. X	X				
	-	-	HMC	-	-	-		37	UI.	As I	0	130	UD				
[13] [14] [15] [15] [18]	F	1000 TA	HT ES		nG (est	Nº T	AHT 2		5 1/101	4314		3595,	JB YAGSHI				
Depress F4, then F7.	C	R	D	391	М	0	D	Ε			I	=	HA				
[13 [17] [18] [18] [14] [15] [15]	714. (5.		- 1														
Depress F13. (See Note 1).	S L	1		1	N	1	Т	L	Α	L	4	Z E					
MC TILE CLEA	SL	1	L	C	0	M	M	0	N		4						
Transferred Services				JUL.	en.		425		 L12			011	[ B]				
Depress L1 to L12 to set the desired SLI common val	ues.						(10		31]			LIA	ELL				
AFTING WAT BANK					0.						1						
Depress ENTER key.					1		-			enderic co	بإستب		10				
Depress the SPKR key to go back on line.												Q.					
BIS I												0	0				
144 DAT DATE (44)									-0	1 '							
1 4 LS LS - 1 (8)   LS					. 3							1	1 0				
List I between the common the common that the					À.		-	politica (process)				1	0				
2 8 8 2									- 6				1-7				
61					ė		Graph plant	Laurin au re-				0	1				
				ng galaine	0.1	la compa	-										
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)																	
(13)   (1					37							0					
(13) (13) (13) (13) (13) (13) (13) (13)					reference and						-	agency constitutions	· · · · · · · · · · · · · · · · · · ·				

HP (Hit Protection) Time = 50 mS, x M

PS (Pause) Time= 500 mS. x M (Default: 1000 mS.) IDI (Interdigit Interval) Time = (10 mS. x M) + 40

DR (Disconnect Re ognition) Times 100 mS.x M

1. It is recommended that 4B7 be programmed prior to 4B2, since 4B7 programming overrides all 4B2

programming already done for all the trunks

During step 6 the status of L1 to L16 will indicate

the previous parameters set to the COI port (See

increment to the next channel, or the first channel of the next slot containing a COLE ETU.

This area of the mu mory block is used to assign timing parameters to each COI port. For a description of each parameter, see sec ion 350.

plant and the first compression of a special commencer of the plant and the second of

	KEY	FUI	NCTIC	N (OF	F LINE)				
SPKE	2 - ON/	OFF	Line	125.1	SKOJEO V	(1)	10	SEE	CMA STATE OF THE S
TEL #				6.000					
	Forward	- (b		la la la la la la la la la la la la la l					
CLEA				X	A.19810		veliger	and motives	0
ENTE B/W ()	Backwa	rd) -	SLI con	nmon y	alues.	3	3	o I	and the edition
			0 M	M	BRA	0	Я	9	
G	UIDET	OF	ATU	RE PRO	GRAMI	MIN	١G		L1 L2 L3 L4 L5 L6 L7 L8
MEMOA	Y BLOCK	TT	MEMORY 8	BLOCK THAT	MEMORY BI	LOCK	THAT	YĀN	Theorem Ed. theor EV
BEING	PROGRAMM	IED M	UST BE PRO	GRAMMED	HAVE TO BE	PROG	RAMN	OBN	
	Antonia de La composição	the state of the		aga daga agba			Adapta - A		L9 L10 L11 L12 L13 L14 L15 L16
4	B3								
	3 2		JA	11	I N			8 3	C Depress F14
	1 10	101	115		e 2 1	10	0	ON	F1
	LINE	BUT	TONS	5					MIC TEL / CLEAR
L1	12	L3	14	/uccs		1	ymenning.		F2
L5	L6	17	18	(HFS)	TMI	L		5 3	SPER IN FAME FENTER - 1 169 10 IN SIMILAR ISSUE
L9	L10	Li 1	L12		MULTIPLIER	U	O.	ON	a suboM sala ax 3
					(M)				F4 (4)
0	0	0	0		0				1 ABC DEF 3 F5
0	0	0	1		141			2 3	1) 214 st number (1 - 8) of ESI card to be assigned.
0	0	9	0		2	U	G	ON	GHI JKL MNO I DJOVI BAFO JOIS & CHIESES
0	0	1	1		3				4 5 6 F7 B
0	1	0	0		4				
0	1	0	1		5		State	ivi smi	7 0 5
0	1	1	0		6				F18
0	1	1	_1		7				OPER F9
1	0	0	0		8			5 3	Depre ENTE ON # 0 *
1	0	0	112		9	U	g	ON	
1	0	1	0		10		A Company		
1	0	1	1		11				All CPU levels.
1	1	0	0	animin	n 12				NOTES:
1	1	0	1		13			See also	1. During step 3 the status of L1 to L12 will
1	1	1	0		14				indicate the previous SLI Common values assigned (See chart).

Multiplier = M

HFS (Hookflash Start) Time = (50 mS. x M) + 100 mS. (Default: 300 mS.) HFE (Hookflash End) Time = (HFS x M) + 100 mS. (Default: 1000 mS.) BP (Bounce Protect) Time = 100 mS. x M (Default: 300 mS.)

# **GENERAL INFORMATION - SLI COMMON VALUES**

This area of the memory block is used to assign timing parameters to all single line telephones. See Section 350 for a description of each parameter.

KEY FUNCTION (OFFLINE)

OPERATION - AND -		100	>		DI	SPI	A	<u>′</u>			en teles e	-5	2783	ror EL	) W A.B.	T.
Go off line.		O	F	F	- G	L R	I A	N	Ε	M	(	X	E E	х	X	)
			Ð	Alk	4M	AS	90	89	3.8	UT	A3	0	T B	alu	Ð	
Depress F4, then F7.	С	Α	R	D	il ti	M	0	D	E	7/101	EMA.			10:41	ACHE	SN/
813 [813] [813] [813] [813] [813] [813]	L			Literan.												-
Dennes E14	-	10					_	-					-	<u>E8</u>	4	-
Depress F14.	M	S	D	U	1	N E	7	Т	1	S	<u>L</u>	0	Z	E .	1	-
[ FFR ] [ AASAD [ A 187 ] 2006	101			Ü	-	-	•		3	1/10		-	H	IJ		
Dial module number (1 ~ 4) of ESI card to be	E	S	1		1	N	1	Т	1	A	L		z	E	Ŧ	
assigned, Example: Module 2.	M	-	D	U	E.	E	2	fs	8)	S	L	0	Т	?	9	
1 A25 2 050 3 143 143 143 143 143 143 143 143 143 1																-
Dial slot number (1 ~ 8) of ESI card to be assigned.	E	-	1		Т	N	I	Т	Τ	Α	L	T.	Z	Ε		
Example: Slot 4. (See Note 1)	M	0	D	U	L	E	2			S	L	0	Т	4		
(8)						E		ļ								
Depress L1 to L8 to assign each ESI port as required	10-	NT.		2)		4		-		0			-		0	
<u> </u>	. (Sec	8 14 0	te 2	6).		ä						1	+		.0	
[ 874 ]	-	-												_	-	
Depress ENTER key. (See Note 3).	E M	S	D	U	L	N E	2	T	1	S	L	0	Z T	E 5		
Il CPU Isvels.	a) A					01			Linny.	(				0	. 1	
OTES:						TIF		1				1				

Mulification was Market

HFS (Hookflash Start) Time =  $(60 \, \text{mS.} \times \text{M}) + 100 \, \text{mS.}$  (Default: 300 mS.) HFE (dookflash End) Time =  $(\text{HFS} \times \text{M}) + 100 \, \text{mS.}$  (Default: 1000 mS.)

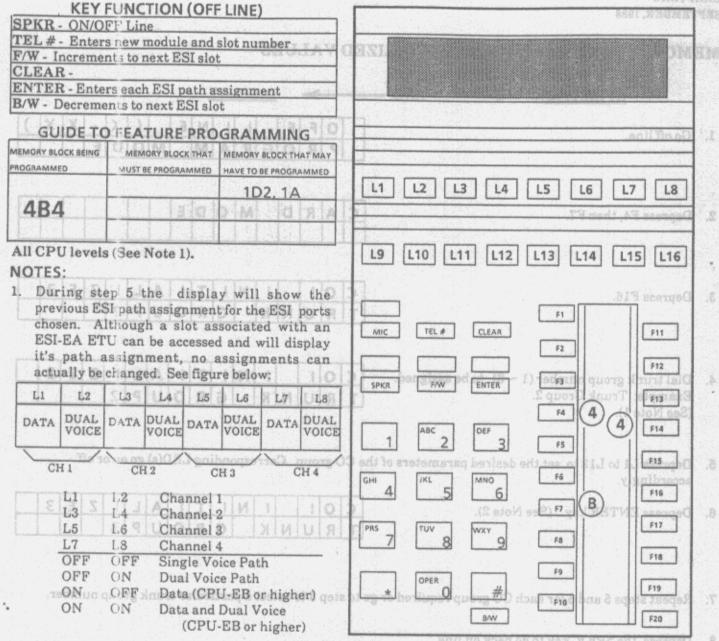
HP (Bounce Protect) Time = 100 coS v M (Default: 200 coS)

#### GENERAL INFORMATION - SLI COMMON VALUES

This area of the memory block is used to assign timing parameters to all single line telephones. See Section 350 for a description of each parameter.

a fet version to the continuous program of the continuous control of the fill designation and in

E



- Only Channels 1 and 3 can be assigned for both data and dual voice path. For this to be done, the next adjacent channel(s) (Channel 2 and/or Channel 4) must be assigned single voice only, however, data and single voice can be assigned to all four channels.
- 3. Depressing the ENTER key will cause the display to increment to the next ESI slot.
- 4. ETE-6-( ) or ETE-16-2 Multiline Terminals are not compatible with data or dual path features.

# GENERAL INFORMATION - ESI-EB DATA AND SECOND VOICE PATH ASSIGNMENT

This area of the memory block is used to assign data capability and/or a second voice path to an ESI-EB port. Multiline Terminals assigned a dual path are able to receive a voice page while off-hook, when its primary extension line is idle. All dual path terminals have to be equipped with a Dual Path Adaptor (DPA-E), and assigned to an ESI-EB ETU. All stations assigned for data capability must be equipped with a data adapter (DTA-E) and assigned to an ESI-EB ETU in CCUs I thru 3.

PTER 3 EMBER, 1988						31/1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								JE	
MORY BLOCK 4B6 - COI-III INIT	TALIZED	V	<b>AL</b>	UI	S	un i	ola				n el	èn. Leto	394 1001	2101	i	H. William
OPERATION -	AND —		>		DI	SPI	A	7.01	eg l	23		9 43	ain		HA:	The state of
Go off line.	and the second	-	F R	F O	G	L R	I A	N M	<b>E</b> <sub>3</sub>	M	(	X	-	X	X	
[8] [1] [3] [2] [4] [8]	mmi	(23)	Mini-A	ADDI A. P	1 18 C 8	of av	MT.		#ATO						Rakhe	
Depress F4, then F7.	c	Α	R	D		M	0	D	Ε						2.5	
िया दिश्य दिश्य दिश्य दिश्य विश्वय									£4 0	do)	1 00	(3)	ster	ol l	141	1 Aug 3
Depress F16.	The second secon	O	1 11	N	I	N	l G	T	ı	A	L	I <sub>U</sub>	Z	E D	3	The same of
[13] [AMD] [AD]	3 298	0.	ige	ib		nd	088	13.12			1914				SSI-	
Dial trunk group number (1 ~ 8) to be assig Example: Trunk Group 2. (See Note 1).	T	O R	U	N	K	N	G		0	A	L P	2	Z	Е		
						JAL			1		i.		Ļ.,		N7	
Depress L1 to L12 to set the desired parame accordingly.	right and promise to the contraction of the contrac	) gr	oup	. C	orr	esp	ond	ing	LE.	D(s)	) go	011 (	or o		H5	may 1
Depress ENTER key. (See Note 2).		0	1	N	1	N	I G	T	1	A	L	1	Z	Ε	3	-
[319] [8] [8]		K	U	IN		Pa	- - - 	len V e				8.E 913 910		U7 0F1		1
Repeat steps 5 and 6 for each CO group requ		tep		92	lect	ap	art	icul	ar t	run					er.	
Depress the SPKR key to go back on line.  voice path. For this to be done, the next gned single voice only, however, data and	data and dual must be ass		od :	ioi ens	ned or (		8 S		ea han	0)				ins		
to the next ESI slot. with data or dual path features.																
D SECOND VOICE PATH	ligio e per di reco di restito di la regio	7.3				e in geli ii s		\$10 mag	to make a major	1000	an ar			4 400 1 4		
The state of the s	NMENT								tayan niyeli		(mail) sandy					
for a second voice path to an ESLEB port, ce page while off-book, when its primary	capability and	tar e to	ids	971	i. 193	d to pla		2.15	ban)	gies	s as		mi	oji i	iail	

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Stational Colors

Will relieve him of projekt participation

SPKR - ON/O	FUNCTION (OF	F LINE)					85C1 ANDREAS 1756
TEL# - Select	ts trunk group nu	mber Pattina	CERTAIN.				E a
F/W - Increm	ents trunk group	number: TTTTALA	NG PAR				
The state of the s	ers each assignme	nt					
	ents trunk group						
GUIDETO	FEATURE PRO	GRAMMING	(3)	F. Jr. months annual	-mineliti-	ERATION	BIO
MEMORY BLOCK BEING	MEMORY BLOCK THAT	OF PERSONS ASSESSMENT OF PERSONS ASSESSMENT	7				
PROGRAMMED	MUST BE PROGRAMMED	S. F. Harris C. Harris and Advanced Street, Street, Street, S. S. Street, S. S. Street, S. S. Street, S. Stree	9 -				3011 119 00
4B6		4B1, 4B2, 4B7	L1	L2 L3	L4 [	L5 L6	L7 L8
All CPU levels	(See Note 1, L4	JOM IOS	Ala			en E7	Danyosa F4, th
NOTES:			L9	L10 L1	1 L12	L13 L14	L15 L16
		1 to L12 LEDs indica					П
See figure b	elow.	and proceedings and relationship to the Late of the	MIC MIC	TEL #	CLEAR	F1	P17.
	r 20 PPS for rota fault: 10 PPS)	ry dialing				F2	F12
L2 = Rota	ary or DTMF dial	ing (Default: DTMF	SPKR	F/W	ENTER	F3	
L3 = CO	or PBX line inter	face (Default: CO)	2 2 b	mgiasa ad i	(1 ~ 8) to L (See Not	F4. (4	D8 30 F1350
L4 = Disc	ault: NO) (CPU-I	m CO (YES/NO)	21 1	ABC	DEF		F14
L5 to L8 =	DTMF digit dura	tion (In binary form)		2	3	F5	F15
	$(M \times 50 \text{ mS.})$	+ 60 mS.	l leur	[W]	MNO	F6	F15
I.9 to I.12 = 0	(Default: 110	mS.) ne (In binary form)	ды 4 4	ot (1950 s	6	198 03 01	6 F16
D3 00 D12 = 1	(M x 100 mS.)					F7 E	
1 A 3 5			O O PRS 7	TUV	WXY	FBC I	P17
0 0	ROUPS	UNKKG	S T		L_2		F18
	the SNTER key c the next trunk g	auses the display to		OPER		F9	
			*	0	#	[ [	F19
	tuine trunk group	ep 3 to select a parti	red or go to st	jupar aquo	B/W	F10	å aggst s
	LED OFF mon	ns upper parameter					
	O O O T I III CA	no apper parameter	_	n line.	o go back o	KR key t	Depress the SI
LED T	L1 L2	L3 L4	L5	L6	L7	L8	1
이 아이 아이는 맛이 가나가 맛있다. 그렇게 이렇게 된다.	10 PPS MF	CO NO		DTMF DUI	The state of the s	LO	
ON	20 PPS DF		s 2 <sup>3</sup>	22	21	20	
- ON E					2	2	
LED [	1.9 L10	L11 L12	L13	L14	L15	L16	
OFF	СО НО	OKFLASH TIME					
ON	21 22	21 20					

# **GENERAL INFORMATION - COI-III INITIALIZED VALUES**

This area of the me mory block is used to set the desired parameters to the COI-E circuits. These settings are on a trunk group basis. For a description of these parameters, see Section 350.

MORY BL	OCK ART	COLI	W INIT	PTAT 17	rrr		7 A T	TIE		IVI.					ı.L	HY CIO Siota		)	
MORIBL	JCK 4B7	PRO	GRAM	MING	PA	R	AMI	T	ER									nl:	-
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OP	ERATION	-	A	ND —	_		>	D	ISI	PLA	Y	guo	18.2			nen	910	oG.	
Go off line.						0	F F	1011	MA	RAB	OG N	89 Ex	3.9	6	X		Х	X	
normalised Societypesed by extraordistration of the contraction		principal principal	minima pana	1		Р	R		3 F	A	M	Med	М	0	D	Ε		929	M
83   [7]	97   57	LALL	ELI LE	1 LEJ			788	- 5	BA.	1 86								86	2
Depress F4, th	en F7.		e e per li propositi e propositi e e propositi e e propositi e e propositi e e propositi e e e propositi e e p Interior e e propositi e e propositi e e e propositi e e e e e e e e e e e e e e e e e e		c	A	R	0	ı	ис	D	E	nd:	30.	2	ali	07.04	115	6
913 [S13]	[13]	[813] [1	[] [0].																
										ii.i e	d Ii.	i lo:	enia Ruia	daia		k qa			
Depress F17.		- Section of States and			C	0	4 4	9 1	2	N P	T	1	Α	L	434	Z	E	4	ci.
119 Interpretation		LEARLE	15t at	[_284_]	Т	R	U	N I	K	G	R	0	U	P	?	901	FILE	III s	30
219		- pro-shipping-ring	-							ilali	Y II								L
pro-company		RATER	[ wa	SPECK.	-	12	ESC IX		7716	0012	o Full	125	29.9 11 W	101	100	slo(	100		E.
Dial trunk gro Example: Tru				ned.	C	0	I			NI	T	1	A	L		Z	Ε	4	-
Example: 1ru	nk Group 4.	. (See Not	e 1).		1	R	1000	170	K	G	1000	11111	U	P	14	nost.	G A	22	-
68		Linna	السفا	Li			nriol			mI) s	oli	8111						l of	8
Depress L1 to	L16 to set t	imingnar	ameters	to the tru	ınk	gro	up.					(,2,) 11(							
	8) 14		Mirror cont				(mn	d y	12.0	id al						)) =	21.	Loi	9,
Depress ENTE	R kov (So	Note 2)	YUY	[ 296	C	0	П	Ti		N I	T	Ti	A	L	Ti	Z	E	4	Г
att	rickey. (See	C 1100C 2).	181		T	R	U	v i	K	G	F		U	P	5				T
		-	[ A540]	-			00 Y.4	ger		U ZBI						na g i od			
Repeat steps 5	16 c	1 tours la ser	10		ļ.,		2 6.		loot										
Repeat steps o	and o for al	i trunk gr	oups req	uired or p	go u	Su	sp o u	) SE	ieci	a pa	ruc	uiai	62.0	HILL	gro	μp.			
Depress the S	PKR keyto	go back o	n line				neter	i p i		eggs	žn.		13		is.g				
Depress the S	rich key to	go back o	n me.			/						injulan me Li Jili mandare in							
		7-1	DI THE DUE			-	M			1		ş/I							
		MOLTAL	PAG THEFO						X							101			
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	25.7	1.16	LI4	Lis					11			011			8.5				
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	BLJ																		
	Bld						05					22			1				

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enter new trunk group F/W - Increment trunk group CLEAR -ENTER - Enter each trunk group asssigned B/W - Decrement trunk group GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MAY PROGRAMMED HAVE TO BE PROGRAMMED L1 L3 L4 L5 L6 L7 L8 4B1, 4B2, 4B6 4B7 LINE BUTTONS L9 L10 L14 L16 12 L1 (HP) L6 L8 (DR) L9 L10 MULTIPLIER L11 L12 (PS) F1 L14 L15 L16 (M) F11 (IDI) TEL # CLEAR MIC F2 0 0 0 0 0 F12 0 0 0 1 11.0 F3 ENTER F/W SPKR F13 0 0 0 1 2 4 F4 4 1 0 0 3 F14 ABC DEF 0 0 0 4 à FS. 0 1 0 5 F15 1 0 0 1 F6 6 MNO GHI 4 F16 6 0 1 1 1 7 B F7 0 1 0 0 8 F17 1 0 0 1 9 F8 1 0 1 0 10 F18 1 0 1 1 F9 11 F19 0 1 0 12 1 F10 0 1 13 B/W F20 1 14 All CPU levels. Depress ENTER key. (See Note 3).

Multiplier = M

HP (Hit Protection) Time = 1

50 mS. x M (Default: 350 mS.)

PS (Pause) Time ==

500 mS. x M (Default: 1000 mS.)

IDI (Interdigit Interval) Time =

 $(M \times 10 \text{ mS.}) + 40 \text{ mS.}$ (Default: 70 mS.)

DR (Disconnect Recognition) Time = 100 mS.xM (Default: 300 mS.)

#### NOTES:

- 1. During step 4 the status of L1 to L16 indicate the previous timing parameters assigned to the trunk group chosen. My He to B bila V again tangal
- 2. Depressing the ENTER key causes the display to increment to the next CO group.

### GENERAL INFORMATION - COI-IV INITIALIZED VALUES PROGRAMMING **PARAMETERS**

This area of the memory block is used to assign timing parameters to trunk groups. For a description of these parameters see section 350.

sesse do ND-20292 CHAPTER 3 SEPTEMBER, 1988

OPERATION AND	D —			>					7					est expenses Against non-		AB	THE
Go off line.		П	0	F	F	-	L	1	N	E		(	Х	100 S	X	X	
			-	balled	La Time		100000	A. Carrie	1.000	100	1000	_	-	1000	12 K	1019	P.
Depress F4, then F7.		С	A	R	D	48	M	0	D	Ε	SP NA	28.73				T.5	and a
[10] [[1] [[1] [[1] [[1] [[1] [[1]	T E					Г					21/1	01		8.3	IVII.		ari na kal
Depress F18.	linear,	4	М	1		1	N	1	Т	1	Α	L	T	Z	Ε	1	
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Juneary Harmond Matter Wit	50/13	IVI	10	U			3	IL.	U	11	1.	0	14	10	2		10
OPERATION  AND  DISPLAY  AND  OF F - L I N E I X X X X Y P R O G R A M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R A M M M M O D I E I C I Y P R O G R O G R A M M M M O D I E I C I Y P R O G R O																	
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	- C	М	0	D	1		S	L	0	Т	7	Ž.	С	Н	1		
Depress L1 to L12 to set the desired timing para	mete	rs of	the	sel	ecte	ed V	иі	por	t. (	See	No	te 2	).		G		
To appear the second of the se							E	ì									
Description (C. N. J. O. C. Stand	UPC	V	М	1		1	N	1	Т	1	Α	L	T	Z	E	1	1
Depress ENTER key. (See Note 3).		-							177.000	100012	F103 PL 100	FY 1995.		1 10 10 10 10 10 10 10 10 10 10 10 10 10			400
	Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1.(See Note 1).	Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1. (See Note 1).	Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1. (See Note 1).	Depress F4, then F7.  Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1. (See Note 1).  Depress L1 to L12 to set the desired timing parameters of the	Depress F4, then F7.  Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1. (See Note 1).  Depress L1 to L12 to set the desired timing parameters of the sel	Go off line.  OFF PRO Depress F4, then F7.  Depress F18.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.  Example: Channel 1. (See Note 1).  Depress L1 to L12 to set the desired timing parameters of the selected at the channel parameters of the selected at	Go off line.  OFF- PROGOSSERVACIONES  Depress F4, then F7.  Dial the module number to be assigned.  Example: Module 1.  Dial the slot number to be assigned.  Dial the slot number to be assigned.  Example: Slot 7.  Dial the channel number to be assigned.   Go off line.  OFF-L PROGRADOW NOT SHAPE STATE ST	Go off line.  OFF-LIPPROGRADOW SET AND STATE OF JUNE 1917 JUNE 191	Go off line.  OFF-LIN PROGRESSED COOL PROGRESS	Go off line.  OFF-LINE PROGRESSED CODE COMMON COMMON TABLE FOR COMMON TABL	Go off line.  OFF-LINE PROGRESSE GUOTO REGISTRATION RELIGION ELIGION RELIGION RELIGION RELIGION RELIGION RELIGION RELIGION RELIGION RELIGI	Co off line.	C   O   F   F   L   I   N   E   C   X	C   O   F   F   L   N   E   N   C   N   E	C   O   F   F   L   N   E   N   C   X   X   X   X   P   R   O   G   R   A   M   M   O   D   E   O   M   O   D   O   M   O   D   O   O   O   O   O   O   O   O	Co off line.	

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hadron to a stage that was the first of

This area of the memory block is used to assign timing parameters to trunk groups. For a description of these parameter see section 350.

And the second s

TEL #	2 - ON/0	off L	mod,		anne	E)		5 614					48	e1 ,7350	DEST
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4B	8			3 10 1	11.4	10 0		-					Cresti A	1 880	Dept
All C	PU leve	els.				tes unidentari i si ci a u u sossi		L9	L10	L11 L	12	L13	L14	L15	L16
NOT	EC.														
بإلك وأسيد	proprieta		IAL.		Ши	Commence from the security of the security	MIV		1				C	7120	Depr
			L1~I	12 sho	ws th	e previous	OIN		) ) [====	7 [		F1		-	
a	ssignme	ents.						MIC	TEL #	CLEA	8.1	F2	Harris		11
2		LINE	BUT	TONS				-						F	12
-48			A		1114		MIY	SPKR	FAV	ENTER	est of	F3	alubo	co pris	IsiO
	*L1	12	L3		(HFS)	اوايليا	DIM							18	13 🔀
	<u>L5</u>	L6	L11	L8	(HFE)	MULTIPLIER (M)			ABC	DEF	_	F4	(4)	F	14
17	To the second				(01)		-	1	2		3	F5			
-1-3	0	0	0	0	TIV.	0	MA			parig	inen sani	od year	diun to	1 1	15
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	0	0	1	0		2				21	0	F7	(B)		
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	e 15		0	1	11.2	12	2 liv								
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120			200	U		14	B. 10 %								

Multiplier = M

HFS (Hookflash Start) Time = (50 mS.x M) + 100 mS. (Default: 300 mS.)
HFE (Hookflash End) Time = (100 mS. x M) + HFS (Default: 1000 mS.)

BP (Bounce Protect) Time = 100 mS. x M (Default: 300 mS.)

3. Depressing the ENTER key will increment the display to the next VMI port.

### GENERAL INFORMATION - VMI INITIALIZE 1 ASSIGNMENT

This area of the nemory block is used to assign various signal timing parameters to each VMI port.

	TEMBER, 1988						Low	- Labore	ereneni Hansari	n te	la.				NAZ Sleci			
I	EMORY BLOCK 4B9 - VMI INIT	IALIZE	2 /	SS	SIC	N	MI	EN'	r	min		nre				1201	- 1	
month dispertation	OPERATION	- AND —	+		>		DI	SPI	A	PETE C	pie Lie	an A	263 15 g		Eng rem	N Dec	T	10
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				17.5	R	0		R	10.45	M	poli	M	-	lie coine	E	200	k vit	N
	N TI D D N E	SI III						189 189			ARDS *	27.10					TIML/O	
	Depress F4, then F7.	a kan sa masa na pantakan nga na Mang paga kaninan nga pantagan na Mananan na mananan na mananan na ka	c	Α	R	D		M	0	D	E					Ę	8	3
	[313] [213] [213] [213] [213] [213]	1.3 [1.10	L												wys.	LUK	(C)	
			1			Γ				-	1		1	1	7	1.0	-	D
	Depress F19.		M	-	D	2	1	N	1	0	1	A	L	0	H	E *		1
	[173] [184] [19]		IVI	0			Total Control	3	1 5	-				110	2017	Anna and a	28	
			1	М	1		1	N	1	Т		A	1	FF	z	Ε	2	F
	Dial the module number to be assigned.  Example: Module 1.	APPE	M	150	D	1	1	S	L	0	T	?		C	Н	7 100	_	-
			T	I		MAT.	UM	IG.	(14) (8)	_8.		XI.		H	5	A		1
	2 2 3 8 8 8	] li	V	М	1		Ī,	N	-	Т		A	1	T	Z	-	2	T
	Dial the slot number to be assigned.  Example: Slot 7.	ol Lad		1.73	D	1	+	S	1	0	T	7	-	c	-	?	-	İ
	B   10   E	1 4		Ĭ		S.				0				C.	1.0	-		1
	Dial the channel number to be assigned.	F 29-5	V	М	ı	i.	ī	N	1	T	П	Α	L	Ti	Z	E	2	T
	Example: Channel 1. (See Note 1).	and trainmentario	/	0	D	1		S	L	0	T	7		C	Н	1000		
	[ 613 ] [ 24 ] [ 24 ] [ 24 ]	0				.a.		1				.l						
	Depress L1 to L16 to set the desired timing	paramete	rs of	the	sel	ect	ed \	/MI	poi	t. (	See	No	te 2	).	0			
						ē		-			4	0			-	-		
	Depress ENTER key. (See Note 3).		[V		1	01	T	N.	1	I+		A		Ti	Z	E	2	T
	Depress Elvi Elvikey. (See Note 3).		M	О	D	1		N S	1	0	T	7	L	10	Н	1	2	t
			141	J				-	-			Ü		_				-
	Penent stone 7 and 9 for all VMI neutrito ha					6.1	reporting.	L		0		en en en en en en en en en en en en en e		-	1	(Selenting a		
	Repeat steps 7 and 8 for all VMI ports to be					57									leigh e eu	alleler or rel		
	Depress the SPAR key to go back on line.	S (Defaul	HF.	+ (1	VI.x	nS.	100	1)=	em	dT.		I de	sfb		8)3	HF	7	
	sat VMI port.	300 mS.)	(auit	e(I)e	M			100	a a	mi'l			94		(B)	98		

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This area of the nemery block is used to assign various signal tuning parameters to duch VMI port.

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	K	EYF	UNCT	ON (OF	LINE)							9.86	I HERESE
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B/W	- Deci	emen	ts char	nel numb	er			600		Potrako barria.			
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	A Brock B		THE RESERVED	Y BLOCK THAT	CONTRACTOR OF	BLOCK THAT	100 mm 200 mm						1011 110 013
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	L1	L2	L3		RDIGIT RVAL TINE	MULTI-	-	-					F12
И	L5	L6	L7	1. The Control of the	ATION	PLIER		SPKR	FAW	ENTER	(0 - 19)	corpu al	sbore tarG
	L9	L10	L11		SETIME	(M)	loli	8		,	Module	Example:	F13
	L13	L14	L15	L16 DISC	ONNECT				_		F4	(4)	
	0	0	0	0		0		1	ABC 2	DEF 3	FS		F14
M	0	0	0	10	A F	1	150			768	ed 03,18 -	redonu	F15
	0	0	1	0	2 3	2	10	GHI	JKL	MNO	030 1/ <b>F6</b> .5	Slot 4.	algreen 8
	0	0	1	1		3		4	L_5	6	F7	(B)	F16
	0	1	0	0		4		PRS	TUV	WXY			F17
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	1	1	1	0		14				back on lis	key to go	he SPKR	Depress t

Multiplier = M

Interdigit Interval Time = 40 mS. + (10 mS. x M) (Default: 110 mS.)

DTMF Digit Duration = 60 mS. + (50 mS. x M) (Default: 110 mS.)

Pause Time = 500 mS. x M (Default: 1000 mS.)

Disconnect Time = 500 mS. + (200 mS. x M) (Default: 1500 mS.)

3. Depressing the ENTER key will increment the display to the next VMI port.

# GENERAL INFORMATION - VMI INITIALIZE 2 ASSIGNMENT

This area of the memory block is used to assign various signal timing parameters to each VMI port.

OPERATION   AND	_		>		DI	SPI	AY	anı	mie		dea		nte		H.A. H.H. (1 -	T R
Go off line.		O	F.	F O	G	L R	l A	N	<b>E</b> ]	М	(	X	)T	X	X	101
E TI E E E E					29.3k	88		ANN	•							
Depress F4, then F8.	-	Α	R	D		1	N	Т	E	R	F	Α	С	Ε	2.8	0.00
[BIJ] [EIJ] [EIJ] [EIJ] [EIJ] [OIJ] [O	n									4		- 4	slav	el i	191	
Depress F11.	1	N	T	E	R	F	Α	C	Е	J-	A	5	S	10	G	١
CAND CASE CASE	[M	0	D	U	IL.	E	-/-	21	10	S	8	31/15	Т	*		
Dial module number (1 ~ 4) of the slot to be assigned. Example: Module 2.	constraint of the	N	T	Ε	R	F	A	С	Е		A	5	S	1	G	N
(A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	N	110	D	U	I L	E	2	210	15	S	1	U		13		
Dial slot number (1 - 8) to be set.  Example: Slot 4. (See Note 1).	1	N	Т	E	R	F	Α	С	E		Α	S	S	L	G	١
(a) (a) (b) (c) (c) (c) (d)	M	0	D	U	L	E	2		1	S	L	0	ं	4	0	L
Depress one of the line keys (LI to L11) to assign th	e rec	uire	d ca	urd	to th	ne sl	ot c	hos	en.		0		T		0	
Depress ENTER key. (See Note 2).	1	N	Т	Е	R	F	Α	C	E		A	S	S	1	G	1
L BFA LL L L MAD	N	0	D	U	L	E	2		0	S	L	0	T	5		L
Repeat steps 6 and 7 for all slots required or go to st	tep 3	to se	lect	ap	art	icul	ar i	nter	rfac	e slo						de la constitución de la constit
Depress the SPKR key to go back on line.				13			an girantaria		1		0		1.	4	1	

MERCENCIAL

B. Depressing the ENTER key will increment the display to the next VMI port.

Disconnect ("ima = 500 mS. + (200 mS. x M) (Default: 1500 mS.)

GENERAL INFORMATION - VMI INITIALIZE 2 ASSIGNMENT

This area of the nemory block is used to assign various signal timing parameters to each YMI port.

the same and the same of the s

SPKR				(OFF	LINE	)		EMBER, 1988
TEL#	- Enter	snew	modu	le and	slot nu	mber		
F/W - I		ntssl	ot num	ber	GEA	FUU	IGU	TO. Shape and the same of the
CLEAR ENTER			h alat	!				
B/W - I	ecrem	ents sl	ot nur	nber	ment	12.5	-	
FAIV	Tw I	BUILD		es land I	41 1		Lalo	
	IDET	100000000000000000000000000000000000000	N. F. St. W. T.	71 15 85 20 21	100 min 200	Married Street, or other Designation of the Publishers of the Publ	Contraction of the last	adi Basi
MEMORY BL			MORY BLO		THE RESERVE		HAT MAY	
PROGRAMM	ED	MUST	BE PROGI	RAMMED		BE PROG	RAMMED	
		-			4C2			L1 L2 L3 L4 L5 L6 L7 L8
4C1	a   5	Sia	la l	LIT		in	9 0	Seprend 14, step 19.
All CP	U leve	ls.						L9 L10 L11 L12 L13 L14 L15 L16
NOTES	5:							
Li	re belo	w: L3	L4	L5	L6	Li	L8	MIC TEL# CLEAR F2 F12
COI	TLI	SLI	MFR EA	NOT	CNF	111	VMI	SPKR BESTER OF ENTER 1 (A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				10000		-		ABC DEF F14
L9	L10	L11					L16	1 2 3 F5   F5
ESI EA	ESI EB	ECR	2				VACANT	GHI 4 JKL MNO Feto F6 N 1018 F16
to in	creme	OF the E	F: N NTER	Assign fot ass key w t slot.	igned rill cau	se the	as sola s display	PRS 7 TUV 8 WXY 9 F8 C F18
to a	assigni differen ETE-1 ATTE	nt type .6D-(	of car ) has I	d when	n: signm	ents.	nged O	S/W 520

### **GENERAL INFORMATION - CARD INTERFACE SLOT ASSIGNMENT**

8. Repeat steps 6 and 7 for each slot required or go to step 3 to select a perticular interface slot.

This area of the memory block is used to assign interface cards to the CCU Interface slots.

· Programming Multiline Terminal is

assigned.

MORY BLOCK 4C2 - INTERFACE SLO	TC	BU	SY	0	UT	'A	SS	IG	NI	1E	NT		1911	engn S	L
OPERATION   AND	_		>		DI	SP	LA	<u>Y</u>					·		
Go off line.	Ħ	O P	F R	F O	- G	L R	I A	N	<b>E</b> <sub>2</sub>	М	(	X	E	Х	X
[1] [12] [13] [14] [15] [16] [17] [18]		1.0	Serve	MERC	15.40	#122 C2	Art.	(23 to	10.40	10'81	III 725)	105		01	MSG
Depress F4, then F8.	c	Α	R	D		1	N	Т	Ε	R	F	A	С	Е	
9 [10] [11] [12] [13] [14] [15] [16]	+			L		L			_				Inv	of U	90
Recognition of the Commission of Commission		1				-		_						::3	31
Depress F12.	M	N	T.	E	R	F.	A 2	С	E	S	B	U	S	Y	12.
MIE TREE GRAA	Ï				-	-	10.0	10.0			1.50	1000	vols	d en	ugi
Dial module number (1 ~ 4) of the slot to be set.	T	N	Т	E	R	F	Α	c	E	F.J.	В	U	S	Y	
Example: Module 1.	M	0	D	U	L	E	1	ros		S	L	.0	Т	?	1
[ 1 PE 2 PE 1 FE 1 PE 1 PE 1 PE 1 PE 1 PE 1 PE 1			Bir I		1				Ť				Lai		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Dial slot number (1 ~ 8) to be set.  Example: Slot 4. (See Note 1).	I	N	3 33 31 7	E	R	F	A	C	E		В	U	S	Y	
Example: Slot 4. (See Note 1).	M	0	D	U	L	E	1	L	1	S	L	0	T	4	
[사용] 사용하게 되는 그를 깨워졌다고요? 이렇게 되고 아이지는 그렇지 아이를 그렇게 다								ngi	Ass		NO				
Depress one of the line keys (L1 to L11) to set the int	erfac												in its		
Depress ENTER key. (See Note 2).	1	_	-			T	Α.	10	طنما	Ť.	acl z	U	S	Υ	4
	31	N	1	E	R	F	A	1	E	S	В	U	3	T	

Establish Marin - - - - -

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The first the contract of the

	KEY	FUNC	TION	(OFF	LINE	)					0001 67	H JOS
PKR -				1011	611716						18, 1988	
CEL#- C/W- I CLEAR ENTER	Ente	rs nev ents sl	v modu lot nun	nber		2 7 252)	HV101	BA (				
3/W - 1	Decren	entss	lot nu	mber								
GU	IDET	FEA	TURE	PRO	GRAN	MIN	GIO					
EMORY BLO			MORY BLO		CAST 1889	BLOCK TH	5 (200) S. (100)				1000	110
ROGRAMME	D	MUST	BE PROGR	AMMED		SE PROGRA	AMMED	[L1] [L2] [L3]	L4 L5	5 L6	L7	П
4C2	)				4C1						/	
754	NI	IV IV	A. 1	10	2 21.					- 0.1 % xxe	tr. 17 oc	915
AII CPU	level							L9 L10 L11	L12 L1	3 L14	L15	L
the	ring ste type of figure	card	and st					MIC TEL#	CLEAR	F1 F2		811C
Z <sub>L1</sub> D	L2	L3	L4	L5	L6	L7	L8	SPKR F/W E	ENTER OTT	(fg )		F12
COI	TLI	SLI	MFR A	NOT	CNF		VMI	[ ABC [	OEF ZITU	F4 4	)   -	F13
L9	L10	Li1					L16	12	3  [	F5		F15
ESI A	ESI B	ECR				Y A	NOT USED	GHI 4 JKL 5	See 6te	E 19 0 m	-	F16
	(	ON: OFF:		ousied assigne				PRS 7 TUV 8	vxy 9 [	F7   C		F17
											- 1	
∃ oF	LASH	NG:		ed out		3 3	IJI a	OPER TO	y (See West	F9	13 sd [4	F19

### GENERAL INFORMATION - INTERFACE SLOT BUSY OUT ASSIGNMENT

7. Rapest Steps 4 thru 6 for all Trunk Groups, associated with a TLI-E( ) ETU, to be programmed.

This area of the memory block is used to busy out or restore individual interface slots in the system.

Control of the contro

desired the second of the seco

KEY FUNCTION (OFF LINE) SEP RHBER, 1988 SPKR - ON/OFF Line TEL # - Enters new Trunk Group number F/W - Increments Trunk Group number CLEAR -336 3 W ENTER - Enters each assignment B/W - Decrements Trunk Group number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 2C1 4E2, 4E3, 4E4 L2 L3 1.4 L5 L6 L7 L8 4E1 4E5, 4E6 L9 L10 L11 L12 L13 L14 L15 CPU-EB or higher. NOTES: F1 1. After step 4, the display will show the line type previously assigned to the selected trunk MIC TEL # CLEAR 1 F11 group. F2 F12 2. Numbers 1 ~ 4 dialed in Step 5 correspond to the F3 F/W SPKR ENTER following line types: F13 4 F4: 1 - Second Dial Tone F14 DEF ABC 2 - Immediate Start F5 3 - Delay Dial F15 4 - Wink Start F6 GHI JKL MNO 4 F16 6 When assigning this parameter for E&M Tie F7 Lines, type 1 ~ 4 are available. With DID F17 PRS WXY trunks, only types 2 ~ 4 will apply. By default, 9 F8 the Second Dial Tone type is assigned. F18 F9 mil A a 3. Depressing the ANS key will automatically F19 E return you to Step 3. F10 B/W F20

### GENERAL INFORMATION - TLI LINE TYPE ASSIGNMENT

This area of the memory block is used to assign the method of loop supervision to be used for each of the Trunk Groups which are associated with TLI-E() ETUs.

APTER 3 PTEMBER, 1988										GK		шŲ	r Fi						- 3	24
		SE DESCRIPTION	luci r						120	dan										1100
EMORY BLO	OCK 4E2 -	TLI D	IALTO	NE	ASS	SIG	NI	/IE	N				031						A.R	
										10dn										
OP	ERATION	_	AN	D -	-	-	>	.1.83		SPI			100	21.15	r a	3.20				
Go off line.					T	0	F	F	10:15	L	1	N	E	6 17	(	X	201	X	X	AC
production and according			ent-grand - Branchisco			P	R	0	G	R	Α	M		M	0	D	Ε		3000	
[17]	[m] [sr]			L	41	F	P.37		25	Actual S S					1	A.			10	-
Donnean E4 th	- F10				12	1.			34				- 1	. 1						19
Depress F4, the	P47   E47	[\$12]	til oti	Te		1	-		Р	R	0	G	R	A	M	M		N	G	1
																			331	0
	The same				1															
Depress F12.		[ JANE	[vBi]	Lav	D	1	Α	L	5 53 3257	T	0	N	E	750 750	A	S	S	1	G	١
					П	R	U	N	K		G	R	01	U	P	?			10.1	_
		NSTWS	\$253	A.19	11		ed) e	od to	100	6971	00 č	qoi	ani	bol	sib	ge me	1 8	ıedi	mu)	
Dial the number	er of the True	ik Group	(1 ~ 8) to	be	D	1	Α	L		Т	0	N	E		Т	R	K	HIW	G	2
assigned. Exam	ipie: Trunk	aroup 2.	(See Note	1).	S	E	T		L	1	N	E		K	E	Y	000	1	٠	2
I CELL.		. B	A	1																
Depress L1 and	or L2 to set o	lesired pa	ramenter	s. (Se	ee N	otes	2 &	4).							jh	Ste	alai	W		
Depress ENTE	R key (See N	Into 3)	Characterial		D	1	TA.		12	4	^	N.	71	021		-	6	7	6	
Terrasi	iv key. (bee t	YXW	7137		T	R	U	N	K	J <sub>G</sub>	G	R	E O	U	P	5	3	F.1.9	G	1
	phily-singers,	Shippenel	Silling and the						, b	aus	ina	21.5	976	90		art.	bū	eco	3 80	3
Repeat Steps 4	thru 6 for all	Trunk G	roups asso	ciate	d wi	th I	LI-I	Ξ(	) E	ľU's	to	be p	rog	cam	me	d,		220		3.
101		- WAB		Sections																
Depress the SF	KR key to g		line	and the state of the same																

### GENERAL INFORMATION - TLI LINE TYPE ASSIGNMENT

This area of the momory block is used to easign the method of loop supervision to be used for each of the Trunk Groups which are associated with TLL-E(-) FTUs.

Believe to graph and the extreme and the holy experience the elementary commence of the elementary and the e

		LINE)	100 E A 100 E								
SPKR - ON/OR	new Trunk Group	number	8 (C) 1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )								
	its Trunk Group n		9 (0.4)								
CLEAR -											
	s each assignmen										
B/W - Decreme	nts Trunk Group	number	- CAN MANAGEMENT NOTANGED								
GUIDE TO	FEATURE PRO	GRAMMING									
MEMORY BLOCK BEING PROGRAMMED	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	303 20 9								
	2C1	4E1, 4E3, 4E4	L1 L2 L3 L4 L5 L6 L7 L8								
4E2	MINISTER STREET	4E5, 4E6	entress Fd. then F10.								
CPU-EB or hig	ther.		L9 L10 L11 L12 L13 L14 L15 L1								
		Charles II Steller II									
L2 will show	v the previous ass Frunk Group bei f DID trunks, do n	en selected, L1 and ignment.  ng programmed is not send dial tone to	SPKR (FAW ENTER OF FA 4) F13								
1. After a Tru L2 will show 2. When the comprised of either side.	v the previous ass  Frunk Group bei f DID trunks, do note the ANSWER key	ignment.  ng programmed is	MIC   TEL #   CLEAR   F11   F12   F12   F12   F12   F13   F14	1. After a Tru L2 will show 2. When the comprised of either side. 3. Depressing	v the previous ass  Frunk Group bei f DID trunks, do n  the ANSWER key Step 3.	ignment.  ng programmed is not send dial tone to	MIC   TEL #   CLEAR   F11   F12   F12   F12   F13   F14   F14   F15	1. After a Tru L2 will show 2. When the comprised of either side. 3. Depressing bring you to	the ANSWER key	ignment.  ng programmed is not send dial tone to y will automatically  ON OFF Send Do not	MIC TEL P CLEAR F2  SPKR FAW ENTER F3  F11  F12  F12  F13  F14  F14  F15  GHI 4 JKL 5 MNO 6 F6  F7
1. After a Tru L2 will show 2. When the comprised of either side. 3. Depressing bring you to	the ANSWER key Step 3.	ignment.  ng programmed is not send dial tone to y will automatically  ON OFF	MIC   TEL #   CLEAR   F11   F12   F12   F12   F13   F14   F14   F15   F15   F16	1. After a Tru L2 will show 2. When the comprised of either side. 3. Depressing bring you to E. A. Distant End 4. Distant End	the ANSWER key Step 3.	ignment.  ng programmed is not send dial tone to y will automatically  ON OFF Send Do not Dial Send	MIC   TEL #   CLEAR   F11   F12   F12   F12   F13   F14   F14   F15   F15   F15   F16   F16   F17   F17   F17   F18				
8. Repeat Steps a thru 7 for all Trank Groups, associated with a TLI-EI ) ETU, to be programmed.

7. Depress ENTER key. (See Note 4.)

### GENERAL INFORMATION - TLI DIAL TONE ASSIGNMENT

This area of the memory block is used to assign whether or not the Electra Mark II will provide dial tone to either side of a Tie line for each of the Trunk Groups which are associated with TLI-E() ETUs.

EMORY BLOCK 4E:	3 - TLII	JIGIT A	ו/עע	)EI	·E,	IE	U(	תנ	E	AS	510	iN.	IVI	IN.	Elli		: H	EA	
OPERATION	<u>v</u> —	A	ND —			>		DI	SPI	LAY	din Gras	ale k C	us d ឈា	285 T s			R - Dec	II.	Na W
Go off line.					0	F	F	М	L	I.	N	E	Ш	(	X	1,3	Х	X	I
15 [18] [18]					Р	R	0	G	R	Α	M			0	D	E	100	T YAC	L
Depress F4, then F10.		t er kiertensplaken och er trike ett kal Kentra utt signation en utter kierten Litter utter ett signation utter kierten och en och en		T	L	1	93	Р	R	0	G	R	A	М	М	1	N	G	Ì
[81] [E1] [E1]		real [013	[61]	H										.19	lgi	d 10	83	[-0	
Depress F13.				Α	-	D	/	D	E	L		С	0	D	E		12	177	1
	Laster	138	2555	T	R	U	N	K	Die 1	G	R	0	U	Р	?	1121	21 78	Les.	1
Dial the number of the assigned. Example: Trus				C	O	D	Ε;	X		Т	R	U	N	K	X	G	R	P	T
	100	[42]			dis	atic	citot	MIS	Hiv	ey :	R l	W		A ai	1 2				
Dial the number of digits	s to be dele	ted.	1 916	С	0	D	Ε			I	R	U	N	K		G	R	Р	I
Example: 2 (See Note 2.)	لــــاتا	Same and	IPJ	D	E	L	Dei:	2	be	id.	Α	D	D	12.	X	X	Χ	IQ.	1
	e ""	8	7			oT.)							\$	da.		1 En	meda	Sy	
Dial the additional numb Example: 3 (See Note 3.)		added		C	0	D	Ε			Т	R	U	N	K		G	R	Р	Į
Skample. 3 (See tvote 3.)	Will and	Bellevis er en en en en en en en en en en en en en		D	Ε	L	;	2			Α	D	D	;	3				1
Depress ENTER key. (S	ee Note 4.)			Α	D	D	/	D	Ε	L		С	0	D	Ε				T
				T	R	U	N	K		G	R	0	U	Р	?				1
Repeat Steps 4 thru 7 for programmed.	all Trunk	Groups, a	ssociate	d wi	ith a	a TI	LI-E	()	ET	U, to	be							5	
Depress the SPKR key t	ranaan (na mon	and the same of							i. Heriji			ot - 100 j							

Selection of the select

KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enters new Trunk Group number V 02314 F/W - Increments Trunk Group number CLEAR - Clears previous assignment ENTER - Enters each assignment B/W - Decrements Trunk Group number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY ROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 L7 L8 2C1 4E1, 4E2, 4E4, **4E3** 4E5, 4E6 L9 L10 L12 L13 L15 L14 L16 CPU-EB or higher. NOTES: FI 1. During step 4, the display will show the previous TEL # CLEAR F11 MIC assignment of the selected Trunk Group. F2 F12 2. Depressing the # key on the dial pad during step 5 F3. SPKR F/W ENTER will clear the additional digits assignment on F13 display. F4 F14 ABC DEF 3. Up to three (3) additional digits can be added up to F5 three (3) digits can be deleted. F15 F6 MNO 4. Depressing the ENTER key will automatically F16 6 return you to step 3. F7 F17 FB : F18 F9 F19 Ε F10 Groups, associated with TLLE ( ) ETLLs, to be programmed F20

## GENERAL INFORMATION - TLI DIGIT ADD / DELETE CODE ASSIGNMENT

This area of the memory block is used to delete and/or add up to three (3) digits for each of the Trunk Groups which are associated with TLI-E() ETUs. The purpose of adding and/or deleting digits is to facilitate the connection of DID trunks and Tie Lines to the system which are supported by TLI-E() ETUs.

HAPTER 3 EPTEMBER, 1988										MQ.				1410		1213
IEMORY BLOCK 4E4 - TLI - I INITIALIZ	ED	VA	L		S	190	imu aen		101			l ed LLE		gen fQ	R/	EL W-
OPERATION   ← AND   —			>		DIS	SPL	AY	n q	102			ed.	uer:	gio	÷G	W.
. Go off line.	100000	0	-	F	UV	L	1	N	Ε	371	(	Х	9	X	Х	)
回回回回回回	Ш	P	R	0	G	R	A	M	•	M	0	D	E		CHAR	
. Depress F4, then F10.	I	L	1		Р	R	0	G	R	Α	М	М	ı	N	G	31
[er] [er] [er] [er] [er] [er]	Ш											5.93	de Nic	70	83	-09
. Depress F14.	T	L R	l U	N	I K	N	l G	T	1	A	L P	7	Z	E	1	TO
AA3.0 6.35 366					100	(75E)	CT 1000		7,000	losi:	2.00		ini e	500	1.9jk	2.0
Dial the number of the Trunk Group (1 ~ 8) to be assigned. Example: Trunk Group 1. (See Note 1).	T	L R	I U	N	I K	N	l G	T	0	A	L P	Part	Z	Ε	1	KI H
F 190 2 190 1 190		ol	¢(1)	ded	ba e	d n	ao e	tigi	ble	ingi	libi	ie (E	) pe	nd2	of c	, U
Depress L1 ~ L16 to set the required timing parameters to the selected Trunk Group. (See Note 2).	I	L	1		1	N	-	Т	1	A	L	i jed	Z	Ε	1	įĮ.
	T	R	U	N	K	háu	G	R	0	U		1. L	1 to	baad t y o	auxin) positi	7.0
Depress ENTER key. (See Note 3).	T	L R	I	N	I K	N	I G	T	1	A	L	1	Z	Ε	1	
	-	14		1.4	10		-								-	

8. Depress the SPKR key to go back on line.

CHAPTERS

### GENERAL INFORMATION - TUI DIGITADD / DELETE CODE ASSIGNMENT

This area of the intencey block is used to delete and/or add up to three (3) digits for each of the Trunk Groups which are associated with TLL-E(.) ETUs. The purpose of adding and/or deleting digits is to facilitate the connection of DH2 crunks and Tle Lines to the system which are supported by TLL-E(.) ETUs.

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KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enters new Trunk Group number F/W - Increments Trunk Group number DESEMBLE SMI CLEAR -ENTER - Enters each assignment B/W - Decrements Trunk Group number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 L7 L8 2C1 4E1,4E2,4E3 **4E4** 4E5,4E6,4C1 L15 L10 L11 L12 L13 L14 L16 CPU-EB or higher. NOTES: After a trunk group has been selected, L1~L16 will show the previous assignments. F1 2. Timing Parameters: CLEAR TEL# F11 F2 LINE BUTTONS **FUNCTION** F12 L5 L6 CL7 : L8 Pre-Pause time == .63 ENTER COLUMN SPKR F/W £13 L1 L2 Pause time (500mS, x M) L3 L4 (See Note 4 F4 CO Answer Detect L9 L10 L11 L12 4 F14 (130mS,x M) CO Release Detect ABC DEF L13 L14 L15 L16 F5 (130mS.x M) F15 MULTIPLIER IN (M) SECS. F6. MNO JKL GHI F16 6 0 0 0 0 0 0 F7 0 1 0 0 1 0.5 F17 -0 0 1 0 FB 1.0 F18 0 1 91 3 0 1.5 F9 0 1 4 2.0 OPER 0 0 F19 0 5 Ε 1 0 1 3.0 F10 BAW F20 0 1 1 0 6 4.0 0 7 1 1 1 5.0 0 8 0 0 DEFAULTS: 6.0 1 Pre-Pause Time = 3 sec. 0 0 1 9 7.0 B. Depress the SPRR key to go lost = amiT saug 1 110 0 1 0 8.0 CO Answer Detect = 520 msec. 1 0 1 11 1 9.0 CO Release Detect = 520 msec. 1 12 1 0 0 10.0 1 1 0 1 13 11.0 1 1 1 14 0 12.0

Depressing the ENTER key will automatically return you to step 3.

### GENERAL INFORMATION - TLI - I INITIALIZE VALUES

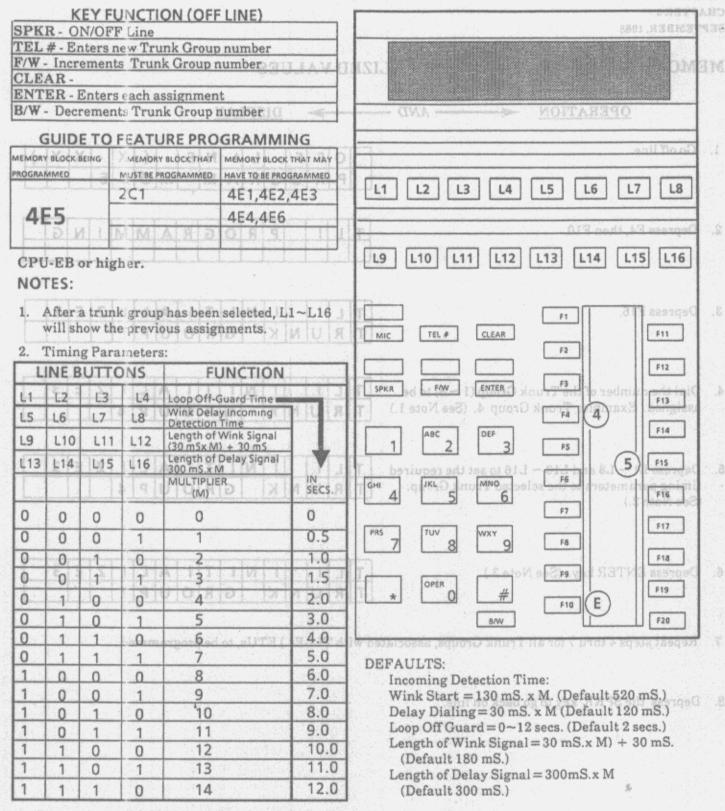
This area of the memory block is used to assign various timing parameters, listed above, to each Trunk Group associated with TLI-E() ETUs.

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	111		619		*	[ emo]	<u> </u>	T		5	N	K		G	K	O	U	0	?	0			
	eat step	Thought !	-	all tri	ink gro	ups, asso	ciated v	vith	TĹ		( ) E	TU	s, t	o be	pro	ogra	ımn	ned		0			
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3. Depressing the ENTER key will automatically return you to step 3.

### GENERAL INFORMATION - TIL-1 INITIALIZE VALUES

This area of the memory black is used to about a various timing parameters, listed above, to each Trunk Group associated with TLL-S( ) ETUs.



3. Depressing the ENTER key will automatically return you to step 3.

### GENERAL INFORMATION - TLI-II INITIALIZE VALUES

This area of the memory block is used to assign various timing parameters, listed above, to each Trunk Group associated with TLI-E() ETUs.

	TEMBER, 1988												-73							
	MORY BLOCK 4E6-	TLI-I	II INITI	AL	IZE	D	VA	LU											al.	
										haraja an									A.B.	H,
	OPERATION	<del>-</del>	AN	D -			>	(4-100-1-00	DI	SPI	A	<u>(</u> qz			urī	- str			· De	W
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	Depress F10.	[ 868.0 ]	1 6 127	pi-cuming	T	R	U	N	K	N	G	R	0	A	P	e les eras	Z	-	3	
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	Dial the number of the Trun				100	L	1		1	N	T	T	T	A	L	T	Z	E	3	
	assigned. Example: Trunk	Group 4.	(See Note	1.)	T	R	U	N	K	ottuc	G	R	0	U	P	4	7.1			
	21	130	S				1								\$1.		ПJ		u	
	Depress L1 ~ L8 and L13 ~	L16 to set	the requi	red	T	L	1		I	N	L	Т	1	Α	L		Z	E	3	€1
į	timing parameters to the sel (See Note 2.)	ected Tru	ınk Group	. [.	Т	R	U	N	K		G	R	0	U	Р	4				
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	1.117	O TIN	VST .		m]	-	8.0	1							Ť					
	Danness PAIMED I (C N	Table 2.3					1			-	4	-			.2			-		
	Depress ENTER key. (See N	vote 3.)	83901		T	R	200	NI:	K	IVI	-	R	0	U	P	7	4	E	3	Combigs
		- Lilliania	Mannial	. Alleria	1	I N		N	K		G	K	U	U	-		اوسا		2	
	[ 1023 ] L	F Marie				H	3.0	4									_0	-	L	
	Repeat steps 4 thru 7 for all	Trunk G				ith'	0.8	Ε(	) E'	rUs	, to	be	pro	grai	nm	ed.	وأرشع	-	1	
		il maites	JUTS: oming Det				0.8						3		0				<u>n</u>	
	Depress the SPKR key to go					: Sproktor	0.7	inor-Kin		ariaha. is			2				. 0		0	
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CHAPTERS

### GENERAL HEORMATION" - TLI-II INITIALIZE VALUES

This area of the memory bleck is used by easing sequent a to the parameters, listed above, to each Trunk Group associated with TULE( ) ETPs.

See The Contract of the Section of the Contract of the Contrac

#### KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL # - Enters new Trunk Group number F/W - Increments Trunk Group number ENTER - Enters each assignment B/W - Decrements Trunk Group number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED HAVE TO BE PROGRAMMED MUST BE PROGRAMMED L1 L2 L3 L4 L8 2C1 4E1,4E2,4E3 **4E6** 134 A 1810 4E4,4E5 L12 L13 L10 L11 L9 CPU-EB or higher. NOTES: Depress F1 After a trunk group has been selected, L1~L8 and FT L13~L16 will show the previous assignments. P11 MIC TEL # CLEAR L9~L12 may be lit and can be changed in status, F2 however, they perform no function at this time. F12 Timing Parameters: F3. ENTER FAV SPKR LINE BUTTONS **FUNCTION** F13 F4 Tandem Restriction / LCR F14 L13 L14 L15 L16 Control Timer FS. F15 L5 L6 L7 L8 **Outgoing Guard Time** 8) where F6 Timeout for Wink/Delay Signal Detection MNO GHI L2 L4 L3 L1 6 F16 F7 IN SECS. IN SECS. IN SECS F17 0 0 0 0 0.02 00 F18 0 2 Escain 0 0 1 .f.lanna 1 F9 0 0 0 4 1 2 F19 E 3 0 0 1 1 6 F10 3 o set the coweed pad parameters ( F20 0 0 0 4 4 8 1 0 5 5 10 1 0 1 Depressing the ENTER key will automatically 3. 6 0 0 12 13 31 6 0 1: 1 7 14

- return you to step 3.
- Outgoing Guard Time must be assigned less than 10 seconds. Repeat steps 4 thru 8 for all trunks associated with TLI
- Outgoing Guard Timer can be used for Loop Dial Tie Lines only.
- E&M Tie Lines have a fixed outgoing Guard Time of 20 msec.

### GENERAL INFORMATION - TLI - III INITIALIZE VALUES

This area of the memory block is used to assign various timing parameters, listed above, to each Trunk Group associated with TLI-E( ) ETUs.

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Printerior	OPERATION -	ND	L					DIS	SPI	A	<b>7</b> 8.61	das		s.ini	-	ia:	
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	LI LE LE LE LE LE LE	11	1.3	0.73 0.73	MARCH No. 10	2305 3 K	113			10/12	DRY S	2.729					
	Depress F4, then F10.	Т	ı	l i		Р	R	0	G	R	A	М	M	Ti	N	G	la.
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	L9 [119 [113 [113 [114 [115 [116	T	-	-0.0-07-00-0	differential	1904-000	degra de la		1-02-014-1			Str	i de	id s	0 8	21-1	15
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	Depress F17.	1	1	1.	F-3	L	N	1	T	1	A	L	į.	Z	E	4	-
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	properties of the contract of														Id-		
	Dial CCU module number (1 ~ 4) where TLI port	T	L	1		1	N	1	Т	1	A	L	1.	Z	E	4	T
	being assigned is located.  Example: Module 1.	М	0	D	1	OF	S	L	0	Т	?	516	C	Н	*	AL	
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	Dial CCU slot number (1 ~ 8) where TLI port is	T	L	1		48	Ν	J.	T	lo.	A	L	1	Z	Ea	4	
	being assigned. Example: Slot 5.	M	0	D	1		S	L	0	T	5		C	Н	?		
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	The same of the sa	1				9.0						i i		12	-0	-	
	Dial TLI channel number (1 ~ 2) of TLI port to be assigned. Example: Channel 1.	100	_	D	1	1	S	1	_	T	A	_	-	Z	E	4	-
	[814]	M	U	D		2	3		0		5	0	6	H	10		L.,
	(3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4				~		L							İ		1	
	Depress L1 to L16 to set the desired pad parameters accordingly.	See	INOI	e 1)	C	orre	spo	ndı	ng	LEI	Js g	0 01	or	011	LI		
	Depress ENTER key (See Note 2).	Ex	0				NI		-			-	-	0	-	-	Г
	return you to stop 3.	M	0	D.	1	3	N S	1	T	T	A 5	L	c	Z	E 2	4	H
	Outgoing Guard Time must be assigned less than	IAI	3	U		8	3	- La	U	3-L-3	3	0	-	0	2	hadden.	-
	10 seconds		8	1	-	2			5 			Ĺ			0		
1	Repeat steps 4 thru 8 for all trunks associated with T program a specific TLI-E(,) port Thrand gainglub	LI-E			s to	be	pro	gra	mm	ed,	ord	lepi	ess	TE	L#	to	
	Depress the SPKR key to go back on line.	10	2 A		-		-		5-		-	0		1	0	5	
	bepress the SFAR key to go back on line.  SMIT brand paiograph baxes a fixed outgoing Guard Time.		3								-	Y		0	H		-
	5 & A Tie Lines have a fixed outgoing count time of 20 msec.	8	8					-	3	(Apple on Long)	-	<u>i.</u>		1	1	-	

This area of the riemory block is used to assign various timing parameters, listed above, to each Trunk Group

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L5	L6	L7	L8 **	1993	AIT - INTERNAL	piol				F1		7
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	0	0	0	8	0	14 150 15				F9	Chuma	nlar

1. Pad Definitions:

Internal = dB loss between Tie line and

distant station.

External = dB loss between Tie line and

distant trunk.

Default = 2dB for Internal and External and

2. Depressing the ENTER key causes the display to increment to the next channel, or the first channel of the next slot with a TLI-E () installed.

### GENERAL INFORMATION - TLI - IV INITIALIZED VALUES

This area of the memory block is used to assign attenuation levels to software controlled pads used in the Tie lines between the local station and a distant station or a distant trunk. These loss levels are independent of, and are additive, to the loss levels controlled by switches located on the TLI cards.

ND-20292 CHAPTER 3 SEPTEMBER, 1988 MEMORY BLOCK 4E8 - TLI-V INITIALIZED VALUES L.# - Selects "Ll port number OPERATION AND Go off line. G 0 D AMM GR G Depress F4, then F10. Depress F18. OD Dial CCU module number (1 ~ 4) where the TLI port to be programmed is located. 0 Example: Module 1. \$14 5. Dial CCU slot number (1 ~ 8) where TLI port is to be programmed. Example: Slot 5. 5 Ö OD M Dial TLI channel number (1 ~ 2) of TLI port to be assigned. MOD Example: Channel 1 7. Depress L1 to L12 to set the desired DTMF parameters of the selected TLI port (See Note 1). Corresponding LED(s) go on or off accordingly. Depress ENTER key. (See Note 2). Repeat steps 4 thru 8 for all trunks associated with TLI-EB ETUs to be programmed. Of Blos

GENERAL INFORMATION - TU - IV INITIALIZED VALUES

the next slot with a TLI-E ( ) installed.

Depress the SPKR key to go back on line.

10.

This area of the nemory block is used to assign attenuation levels to sultware controlled pads used in the Tie lines between the local station and a distant frank. These loss levels are independent of, and are additive, to the bookietical and by switches located on the Till cards.

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env				ON (OFF				2077	200 A DO 100	er serie		17 TF 17	rea arms
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					4C1	L1	] [	.2	L3 L4	L5	L6	L7	L8
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CPU	-EB2	or hig	CALCOVIE SUS S		CCCTY	L9	L	10	L11 L12	L13	L14	L15	L16
NOT	ES:												
1. I	Durin	g step	7, the s	tatus of I	1 ~ L12 indicates		na pr		ther to be assi			en aris	Brie
C	hosen	1:	paran	neters se	et to the Tie line	-1=		-	p. Example:	uo OFIo		104 110	bnaT
L	1~L	4 = 1	TMF I	nterdigit	Time	MI		TEL	CLEAR	Г 65	-11	8,8,8	(F31)
		Ĺ	oms. + Default	= 70  ms	$\times M) (M = 0 \sim 14)$ ec.					F2	41		F12
L	5~L	B = E	TMF I	uration'	Time		200			J 10 F30	n less	Tack	910.0
NID		A C	Default	= 110 ms.	$(M = 0 \sim 14)$ sec.	SPK	R	F/M	ENTER	- Incompanies	100	bern	F13
LI	NE B	UTT			JNCTION	1 _	_			F4	] (4	)	373.033
L1	L2	L3	L4	DTMF Int	erdigit Time //) + 10 mS	11 L	1	ABC	2 065 3	F5			F14
L5	L6	L7	L8	DTMF Du	ration Time				ee Note 3).	key. (S		PE EN	F15
				MULTIPLE	M) + 50 m5	GHI	7	JKL	MNO	F6	4		
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0	0	1	1	3				OPER			41		F19
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1	1	0	1	13			0 =	OFF	1 = ON				
1	1	1	0	14		2.			ing the ENTE	Rkeyc	auses	s the di	splay to
			0			1			nt to the next				

### GENERAL INFORMATION - TLI - V INITIALIZED VALUES

This area of the memory block is used to assign DTMF parameters for TIE lines.

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								.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				in Si	1101	Line	e d	150 8	107	n3	-83	TTY	13
١.	Go off line.		rgaga, maa aa pari maagaba dhaga, waxaa ay ah bigaa aa gaba baa ah aa gabaa ah aa gabaa ah aa gabaa ah aa gabaa		ige gerille var han held like her hel geneghel opgan. Hen eigen opgalen	E	P	F	F	- G	L R	I A	-	E	DAS FT/	( M	X O	D	X	X	)
2.	Depress F4, th	en F10.	[14]	lls		T	£3	Tal.	281	P	R		G	R	A	M	M	1	N	G	0.0
		e, to the explorate point, about the expension of the exploration of t	algen tigle i vela meditiga kompe tida e e pe e e tel Attentiga e e eganetika e ette a ela e i tegi e e						-	_									0.	2.64	
	Depress F19.		इति सिर्	Or	7] [61	E	X	T	?	?	?		Р	0	R	T	al e	Α	S	G	N
	Enter the exter Tandem Port H Notes 2, 6, & 7	Iunt Group.	Example:	igned 300.	to the (See	T	A	N	D 3	E 0	10000	1 To 10 To 1	P	0	-	T	N	A	S ·	G	N
	Enter the Tand be assigned to Hunt Group 2.	lem Port Hi	unt Group port (1 ~ 8)	numb ). Exa	er to	TE	A	N	D 3	E 0	M 0	8 - C	<b>P</b>	0	R	T	N	A	S	G	N 2
	Depress ENTE	ER key. (Se	is.		P. Announce	T	A	-	D	E	M	gžni La v huG	Р	0	R	Т	7.3	Α	S	G	٨
		[2]	<u>   </u>		4	E	X	Т	?	7	?		1912			Щ		Щ			
	Repeat Steps 4	and 5 to as	sign all Tar	ndem	Ports re	quire	d.				-		<i>.</i>		0		0		0		
	Depress SPKR	ESTERNAL L	E	لنبك	Δ	1			inina-An							, majorije iz	0		0		7
	Depress of KK	key to go b	ack on line	1070		Ш							Ē				- 1				0
		1 213	Ethani I		12								À.				Đ		1		
			TANK T																		0
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	12 RECEIVE		TRANSMIT	1013	61			ina primaja											I.		0.
	0 NOT USED	are of the second	NOT USED	Į.	3			-		i i i i i i i i i i i i i i i i i i i						+		1	0		1
	93	traces described the state of	90		0			eine gar		art and and		0		i i i i i i i i i i i i i i i i i i i		ingerier of			. V.	-	'n
	MYG 0		TWITE	10						Ottor visus							i		9		
	AMTONG I		dasn ton				ing regions					2							Ť	1	P.
			ИО = 1	330		1			etiplaceae	100000		E		Server region			1		. P	- Control	T

GENERAL INFORMATION: TLI-V INITIALIZED VALUES
This area of the nemory block is used to assign DTMF parameters for TIE lines.

The state of the second st

SPKR	- ON/OI	Fline	O TANDEM B	MORY RLOCK (E10 - TRUNK GROUP I
		extension number	er	
F/W -	Increme	ents extension nur	mber	
			Group assignment	
		ers Hunt Group as		
B/W -	Decrem	ents extension nu	mber 3 3 3 6	Go off line.
G	UIDETO	FEATURE PRO	GRAMMING	
MEMORY	BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAM	MED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
		1E2	4C1, 4E10	L1 L2 L3 L4 L5 L6 L7 L8
-	F0	11-6	401,4010	
4	E9			
	TITT	707		
CPU	EB2 or h	igher.	ANDEM	L9 L10 L11 L12 L13 L14 L15 L16
			RKIGIT	2 [2017] 보고 보고 보고 있는데 하는데 하는데 하는데 없다.
NOT	ES:			귀래를 보았다.
1. T	and and au	in the ball of the ball	ware ports assigned	FI
			ese ports require no	MIC TEL# CLEAR DE QUOIT BUIL S
			function, but they	MIC TELW CERM SHE FE QUIENS
		signed as follows:		F12
			used slot (4C1). The	SPKR FAV ENTER F3
			s are automatically	Et le Te de flunt Group number to be
as	ssigned by	the system. Pro	gram these slots as	(2 - 1) quoto saur Tasta (4) os h
В	TE-16D-(	) phantom term	inals (IEZ).	ABC ( DEFOR ) Samuel GUH a F14 a
2 P	nrte asso	ciated with any	type of installed,	1 2 3 FS
			e assigned Tandem	F15
	orts.			GHI JKL MNO 998 F62 3TKR STORE
18P	1-111	TO BUT THE	16 0 3 2 2	4 5 6
3. M	aximum	Tandem Ports = :	20	F17
4 T	andom D	rt default = None	ed, or degrees TEL &	The Transfer of the Terrary of the Service of the S
4. Ta	andem Po	redefault = None		7 8 9 5
5. M	aximum	Tandem Port Hun	it Groups = 8	
				* OPER # ad 03 00 (9) F19
			be assigned to a	* F10 E
ta	indem por	t hunt group.		8/W F20
7 D	union at-	. 4	Tondom Post bust	
			Tandem Port hunt dem Port chosen is	
OT		ened for the lam	dem Fort chosen is	

KEY FUNCTION (OFF LINE)

8. Depressing the ENTER key causes the display

to go to step 3.

### GENERAL INFORMATION - TANDEM PORT TO HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign software Tandem Ports into Hunt Groups. When a tandem connection is being processed, the system will search for an idle Phantom Tandem Port within the corresponding Hunt Group.

EMORY BLOCK 4E10 - TRUNK GROU ASSIGNMENT		0.0	TA	N.	DE		_14		un n		nai				31	M.
OPERATION	– AN	D -	27111	2,67		THY.	)	L	ISI	PLA	Y			5m1	EA	
Go off line.	E	O P	F R	F O	-	L R	-	N M	E	tai	( M	X	D	X E	X	)
Depress F4, then F10.31 [8] [8] [8]	Ī	L	T T	AGO DI	P	R	0	G	Ř		M	M		N	G	283 (DC
		-	-		-									6	45	
Depress F20. Stj Etj Etj ftj 0tj 8		-	N	D	E	M		Н	U	N	T	1 d	A	S	G	1
		110	110	1:	10	1.	1			1				:5	370	31
Enter the Trunk Group number to be assigned (1~8). Example: Trunk group 2.	Ī	A	N	D	E	M 2	l w	H	U	N	T	N	A	S	G	
The state of the s	- Thomas I		rys z					zw(	llel	3.5	ned		15.91	d tas	E CO	
Enter the Tandem Hunt Group number to be assigned to the chosen Trunk Group (1 ~ 8).	T	A	N	D .	E	M 2	12 A	P	0	R	1000	N	A	5	G	1
Example: Hunt Group 2. (See Note 1).																
Depress ENTER key. (See Note 2).		Α	N	Total Control	E	M 3	- 01	P	0	R	-	N	A	S	G	1
produced to the second to the		IR	IN		1 0	13	-02	-	2010	-	-	-		cer in	n. No	
Repeat Steps 5 and 6 to assign all Trunk Groups a	requi	red,	or d							100					70	
Depress SPKR key to go back on line.								do in	n.so.				e e ce i		12 V	
			ud .	ario	l m	nde a Pa	aT neb	das		i yn			ste iees	den gain gay		
									ani eni					Exercis.	per district	

### GENERAL INFORMATION - TANDEMPORT TO HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign software Tandem Peris into Hunt Groups. When a landem connection is being processed, the system will search for an idle Phantom Tandem Port within the corresponding it and Group.

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TE F/\CL EN	EL A	R - ( # - ) - Inc AR - ER -	ON/ Ent cres - Es	OF ers ner	F L Truts 7	ine Iru Cru Cru	Gro nk (	up Fro	nui up i mei up r	mbe num nt num	r ber	(H)	M			A Y		4			ad t			Table 1		at a	enda		Las.
PROC	GRAM	BLOCK	K BEIN	22.00		ЕМО	UR RY BLO PROG	CK 1	НАТ	MEN	ORY E TO	BLOC	K THA	TMA		L	-, -	L2		ld s	0 3 to	emi	rgii	5	L	meri.	(e) C		L8
N(	D B to	ES: y de Ta	efau inde	lt, em	all t Hur	rur nt G	rou	p 1 R	key	cau	ises	the					9		TEL#		CLEA	1.	130	F1 F2		ath		esto	L16
122 minutes	5 4	2 0	M		И		a		10	0 1	1	В В	la		R   S   R   T   R   T   T   T   T   T   T   T	GH PR	4	֖֖֖֖֖֖֖֖֖֖֖֡֞֝֝֞֝֞֝֞֞֝֟֝ ֓֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֩֞֞֝֡֓֞֞֩	uv 8	edn	WXY	6 9		F4 F5 F6 F7 F8 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5		Staf	e landie: 5 EN		114

7. Depress the SPKE key to go back on line

# GENERAL INFORMATION - TRUNK GROUP TO TANDEM HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign Trunk Groups to Tandem Hunt Groups. Different Trunk Groups may be assigned the same Hunt Group.

7. Depress the SPKR key to go back on line.

# GENERAL INFORMATION - TRUNK GROUP TO TANDEM HUNT GROUP ASSIGNMENT

This area of the memory block is used to assign Trunk Groups to Tandem Hunt Groups. Different Trunk Groups may be assigned the same Hunt Group.

Commission of the Commission o

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	FUNCTION (UFF	LINE)	MORY BLOCK 581 - CPU INFILAL HISTO
SPKR - ON/O	FF Line		
TEL#-			
F/W -	YA.19	PIC -	LOW .
CLEAR -			
ENTER - Copy	у		
B/W		日本に日本2日本日本2日 J	OHAR DO OK
	M MIGIDIA	RIREDIDIRIS	
GUIDET	O FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	Aug.
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	
Landan Landan			L1 L2 L3 L4 L5 L6 L7 L8
FA			
5A			The state of the s
		CONTRACTOR OF THE PARTY OF THE	The state of the s
			L9 L10 L11 L12 L13 L14 L15 L16
All CPU level	In I A I T I	Let I Tribels	Ocuress F11. (See Notes 2 and 3).
NOTES:	and the figure is a subject to the above from the above from the figure is the second		
NOTES.	N 2 2 - 8 8	ALBI: E	F1
. D.	- the ENMED I	an mill sauge the	MIC TEL# CLEAR F11
<ol> <li>Depressir</li> </ol>	ng the ENIER K	ey will cause the	
		n identified in step 1	
		ween the lowest and	
highest sta	ation (inclusive) de	lined.	SPKR F/W ENTER F13
	ma-mmm 1	1 41 47 47 41	F4
		pressed, the display	ABC DEF
		om step 1 with the	1 2 2 3 3 889 1775 (5) 1 98 18913 0
station nu	mber incremented	by one. A 3 3	F15
Man-unophilisare i perallis pari pineli repi	den en el pris premi del preditivam de predirept de la predicio per el del del presi con	idilje tro populje intrinico y ili spirale mod ipadajni odilje i vir ne i Polite ovaj	GHL JKL MNO F6 (A)
3. The follo	wing memory bl	ocks are the only	4 5 6
	blocks that can b	e copied using this	Canada Cara Cara Cara Cara Cara Cara Cara C
feature:	Т И	ADAV	F17
hermanikana physicana desp	epidello e madrament hitriri adstrati edjendim	hilyen manashandara edin siyareylli ironi netahan az elektrisara	PRS 7 TUV 8 WXY Q F8
	ne Key Assignmen		EPara PKR ko to go back on tile.
	(Not S&R. SE or Pl		
	nging Assignment		* OPER # F19
	SS Button Assignm		* 0 # F10
	(Feature and Statio		anv F20
	exible Function Ke		
	ime/Ringing Line		
	runk Group Incomi		
1D5 Tr	runk Group Outgoin	ng Restriction	
	de Destriction Mak		

### GENERAL INFORMATION - STATION COPY ASSIGNMENT

1D7

1D8

Class of Service

Station to Attendant Assignment

This area of the memory block is used to copy the assignment of one station to as many stations as desired in one step. This greatly reduces programming time by allowing the repetitious assignments to be copied instead of using the individual programming steps.

Depress F7.  Depress F11. (See Notes 2 and 3).  C P U I N I T I A L L L L L L L L L L L L L L L L L L	PERATION   AND	> DISPLAY
Depress F7.  Depress F11. (See Notes 2 and 3).  C P U I N I T I A L specific distribution is better the history is not to be cleared, proceed to step and a station solved the distribution is better the history. Depress CLEAR key.  To clear the history. Depress CLEAR key.  A P U I N I T I A L Depress CLEAR key.  C P U I N I T	OF	F - L 1 N E ( X - X X
Depress F7.  Depress F11. (See Notes 2 and 3).  C P U I N I T I A L service of the history is not to be cleared, proceed to step  S. C P U I N I T I A L service of the station of the history is not to be cleared, proceed to step  S. C P U I N I T I A L service of the station	PR	O G R A M M O D E
Depress F7.  Depress F11. (See Notes 2 and 3).  C P U I N I T I A L styll 111  Depress F11. (See Notes 2 and 3).  C P U I N I T I A L styll 112  Depress ENTER key, (See Note 2).  C P U I N I T I A L styll 113  Depress ENTER key, (See Note 2).  C P U I N I T I A L styll 113  A Styll 1 S	M	AINTENANCE
Depress F11. (See Notes 2 and 3).  C P U I N I T I A L state 10 and 1 and 2 and 3.  O 9 : 1 4 J A N 2 2 - 8 8 T I grave the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  Real State in definition in the state of	[13] [13] [13] [14] [15] [16]	PARTICUS 2 2 31 3 74 3 74 3 75 75 75 75 75 75 75 75 75 75 75 75 75
Depress F11. (See Notes 2 and 3).  C P U I N I T I A L depoin 1	M	A I N T E N A N C E 1
If the history is not to be cleared, proceed to step  Solve and a stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations between the lowest and stations are stationally and stations and stations and stations and stations and stations and stations and stations and stations and stations and stations and stations and stations and stations are stations and stations and stations and stations are stations and stations are stations at the stations and stations are stations at the stations and stations are stations.	1	
If the history is not to be cleared, proceed to step  Second to the stations identified in step I save as a supplied to the stations identified in step I shows and the stations between the lowest and the stations defined.  Second I save a station identified in step I shows a station (inclusive) defined.  Second I shows a station of the station of th	. (See Notes 2 and 3).	UINITIAL
If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to key for the history is not proceed to step in the striction  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not to be cleared, proceed to step  If the history is not be cleared, proceed to step is not step in the history is not step in the history is not step in the history is not step in the history is not step in the history is not step in the history is not step in the h	principle of the contraction of	1 4 J A N 2 2 - 8 8 T
C L E A R V D A T A 20 70 m 3  Depress ENTER key. (See Note 2).  C P U	MA NEW TONES	ighest station (inclusive) defined:
Depress SPKR key to go back on line.  State of the state and State on Appearence of Feature and State of Appearence of Feature and Appearence of Feature and Appearence of Feature and State of Appearence of Feature and Appea	nistory, Depress CLEAR key.	
Depress ENTER key, (See Note 2).  C P U		E A K D A T A !!
Line Key Assignment (Not S& E SE or PE)  Kinging Assignment (Day & Night)  DSS leatton Assignment  Flexible Function Key Assignment  Friend: Group Incoming Restriction  Trunk Group Outgoing Restriction	ER key. (See Note 2).	U lo lo N d T lo A L d c o O
(Not S&R SE or PE)  Ringing Assignment (Day & Night)  3 DSS letton Assignment  (Feature and Station Appearence)  4 Flexible Function Key Assignment  Prim (Ringing Line Assignment)  4 Trunk Group Incoming Restriction  5 Trunk Group Outgoing Restriction	The state of the s	VACANT
Kinging Assignment (Day & Night)  3 DSS I atter Assignment  (Feature and Station Appearence)  4 Flexible Function Key Assignment  Primy Adinging Line Assignment  4 Trunk Group Incoming Restriction  5 Trunk Group Outgoing Restriction	The state of the s	
(Feature and Station Appearence)  Flexible Function Key Assignment Prim / Minging Line Assignment  Trunk Group Incoming Restriction  Trunk Group Outgoing Restriction	* 6540	B Ringing Assignment (Day & Night)
Prim/Ringing Line Assignment Trunk Group Incoming Restriction Trunk Group Outgoing Restriction	I description of the second of	(Feature and Station Appearence)
5 Trunk Group Outgoing Restriction	alian into representante para para para para para para para par	D) Prime Hinging Line Assignment
		D4 Trunk Group Incoming Restriction
6 Code Restriction Table Access .		TRANSPORTER OF THE HOSE FOR THE PROPERTY OF TH

# GENERAL INFORMATION - STATION COPY ASSIGNMENT

This area of the nemory block is used to copy the assignment of one station to as many stations as desired in one step. This greatly reduces programming time by allowing the repetitious assignments to be copied instead of using the individual programming steps.

property of a Albertan day, are impossible to property and control of a graph of the day of the control of

#### KEY FUNCTION (OFF LINE) SPKR - ON/OFF Line TEL# - Selects the latest events of Inital History F/W -Increment Initial History event number CLEAR - Selects Initial History clear mode ENTER - Enters Initial History clear Decrements Initial History event number GUIDE TO FEATURE PROGRAMMING MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED L3 L8 L1 L2 L5 L6 L7 L4 5B1 L12 L13 L14 L15 L16 L9 L10 L11 CPU-EB3 or higher NOTES 1. During step 4 when the F/W or B/W key is depressed, the Initial History event number is F1 incremented or decremented. 1 TEL # CLEAR F11 MIC F2 F12 0 9 4 F3 ENTER SPKR F/W B/W F13 F4 -F14 0 8 3 0 4 8 8 5 FS. F15 Up to the ten latest Initial History events can be F6 referenced. MNO GHI F16 6 T1~T5 are Initial History codes. В F7 F17 WXX **History Code Initial History Description** FB: F18 System hardware reset or a T1 \$9 forced initialization has OPER F19 occured. F10 Automatic initialization due to F20 T2 B/VV system error has occurred. Т3 Automatic initialization due to system error has occurred. Depress ENTER key. (See Note 3) There were "Power Off" T4 conditions. There were "Main Program" T5 (ROM) replacements 8. Depress SEKR key to go back on line (enhancements, upgrades, etc.).

### GENERAL INFORMATION - CPU INITIAL HISTORY

This area of the memory block is used to refer to the CPU's Initial History.

MEMORY BLOCK 5B2 - SYSTEM PRO	GRA	M C	Н	C	K								40			
OPERATION	AND					9 %			AY	inl. lait		193				
1. Go off line.		P	100	-	-		I	N	Ε	TEI ITI	( M	×	D	×	Ø.	Ľ
2. Depress F5, then F7.23 AJ EJ SJ		350		A			æren.	E	P 1 7 7			c	E		el a	
3. Depress F12arı Eri Sri [rri] [01]	ell	L									odj	id	TO !	:83	U	10
(1) Case of Error	S	Y	S	WA.	ine	P E	R	O R	G O	R	10	<b>C</b> ,	H <sub>2</sub>	<b>E</b>	-	K
(2) Case of No Error	s	Y	S	0	8	P	R	O R	G	R	A W	O	Н	E	C	K
4. Depress L1~L5 to display the program error count.  Example: L2	S	Y	S	. 0	G	P R	R	0 M	G	2		0	Н	E	C	K
(See Note 2).	0(2)							iely article			ijin	1.01	n č			3.
5. If the counter value is not to be cleared, proceed to Step 8.			a y	0.10		971437	vbi	t ha	ne)	Sys		54.0		¥30	42.13	and the second s
6. Depress CLEAR key.	S		S	-	Α	-	R	D	Α	Т	Α	С	H ?	Ε	С	K
7. Depress ENTER key. (See Note 3).	S	Y	S	· V	3 21	P	R		G	-		С	H	E	С	K
3. Depress SPKR key to go back on line.				3 3 E U	ein:	17.35.75 9.751 S	osi	gar	(16 O.a.	PRO PRO PRO PRO PRO PRO PRO PRO PRO PRO					s	

### GENERAL INFORMATION - CPU INITIAL HISTORY

This area of the memory block is used to come and CPLin initial History.

on the application on the contract of the property of the desired of the contract of

	TION (OFF LINE)	보다를 마루다면 하는 그리를 들었다면서 되었다면서 얼마를 하게 되었다면 하는데 되었다.
SPKR - ON/OFF L		O PO 12 20 VERBERMY, PRE-MOVED NEW PROPERTY
	w program error information	
	s program number	
CLEAR - Clears all		
ENTER - Enters the		
B/W - Decrement	ts program number	Op off line.
GUIDE TO FEA	TURE PROGRAMMING	
	MORY BLOCK THAT MEMORY BLOCK THAT MAY	
PROGRAMMED MUST	BE PROGRAMMED HAVE TO BE PROGRAMMED	L1 L2 L3 L4 L5 L6 L7 L8
5B2		
[ [ ] [ ] [ ] [ ]		
		19 L10 L11 L12 L13 L14 L15 L16
CPU-EB3 or higher NOTES:		)±89)
1. During step 2. L1	to L5 correspond to programs	Dist a fetule and of the slot to be
1 to 5 respectiv	ely and will show program	
status.	Let I Triblia belon	MIC TELE CLEAR
Red LED flasher		(2) F12
LED OFF	= No Error	SPKR FAW ENTER F3
2. During step 3 th	he LCD bottom row xxx wil	t number of lor the required slot.
	of program errors. Up to 255	5 — — — 1018 014 (1993)
errors may be dis	played.	1 ABC 2 DEF 3 F5 5
3. When the clear of	peration is performed, all error	. FIS
	ims 1 to 5 are cleared.	GHI JKL MNO F6 Waster
4. Program number	and EPROM number	1 4 5 6
correspondence.	and Di Wom mannor	57 B)
PROGRAM NO.	EPROM NO.	PRS 7 TUV 9 F8
0 0 0 0 1 18	ROM 00 & 01	79 F18
0	ROM 02, 03, 04, 05, 06 &	* OPER # F19
CHECK	07	ENTE NET ENTE
X X X X X X	I had large store that they are such that are	
8 8 8 3 19	ROM 06, 07, 08, & 09	
4	ROM 08, 09, 10, 11, 12	Depress SPKR kay to go back on line.
	& 131	of the sea of an fire of an interest in the
5	ROM 12 & 13	

## GENERAL INFORMATION - SYSTEM PROGRAM CHECK

This area of the memory block is used to refer to the System Program Status.

OPERATION	<u> </u>	AN	D -	W - Increments program number EAR-Clears all programated TER-Enters the clear command														
Go off line.	titt aggitt av ein fil til e primtimen fram fram "springerfark mittigsstemfare I til fill til til en som til en til en til en til en statet fram fram fram til statet fram sin en til en til Til fill til til en som til en til en til en til en til en til en til en til en statet fram til en til en til e		E	O P	F	F O	- G	L R	I A	N M	E	M		X	E	X	X	)
Depress F5, then F7.		sı] [n	E	30	M	Α	1	N	T	Έ	N	Α	128138	C	Ε	1	HE KIN	200
Depress 13. Ara Era	[512] [113] [	013] [E3	I M	N O	T	E	R L	F	A ?	С	Ε	S	C	Н	E	C *	K	
Dial module number (1~checked. Example: Module 1	4) of the slot to b	Asia-tropogram enter generalismosperial	I M	N	T	-	R	F	A 1	С	<b>E</b>	o.f	-	Н	E	C ?	K	
	[13783] [100									or Been					i di i di	LI LI	lked	
Dial slot number (1~8) f Example: Slot 5 (See Note 1.)	or the required s	lot.		M	-	E D	R 1	F	A S	C	E O	T	C 5	Н	E	C x	K x	,
If the counter value is no proceed to Step 9.	la la la la la la la la la la la la la l				379		.bø		2 03	el e es è OH	oj l	BOR	573 790					
Depress CLEAR key.	2 W 8	JK	1	N M	T 0	E D	R)	F	A S	C	E	ਰ	5	H	E	0	K 0	I
Depress ENTER key. (Se	B		I	N M	T	E	R 1	F	A	C	E	Т	-	Н	Ē		K	T
Depress SPKR key to go	back on line.					21	Lí	.01	,00	.80	MC				4			Shirt artery and for got

# GENERAL INFORMATION - SYSTEM PROGRAM CHECK

This area of the memory black is used to refer to the System Program Status.

Committee and the second

SPKR - ON/O TEL# - Select F/W - Incre CLEAR - Clea ENTER - Ente B/W - Decr	CUNCTION (OFF LINE)  OFF Line  Its new Interface Slot information ments the Interface Slot numbers Interface Slot check information the clear command mements the Interface Slot numbers  OFEATURE PROGRAMMING	ber 18 .emi Bo el
MEMORY BLOCK BEING	MEMORY BLOCK THAT MEMORY BLOCK THE MUST BE PROGRAMMED HAVE TO BE PROGRA	
	THAVETO BE PROGRA	L1 L2 L3 L4 L5 L6 L7 L8
5B3	113 3 8 8 1 8 8	Degrees Fig. 200 Note in the control of the control
CPU-EB3 or h		L9 L10 L11 L12 L13 L14 L15 L16
NOTES:	E C K T E L	To determine Telephone/Port Number assignment, dis) station number to be referenced.  Examp Station number to be referenced.  Examp Station number to be referenced.
as xxx on the errors can be a served as xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the errors can be a xxx on the error can be a xxx on the errors can be a xxx on the xxx on the error can be a xxx on the error can be a xxx on the x	5, the ETU error count is disple bottom row of the LCD. Up to displayed.  ssing the CLEAR key and then to the number of interface errors	played to 255  to 255  spkR  frw  ENTER  F3  F11  F12  F12  F13
cleared.	g	ABC DEF F14
x   x   x	OR COUNT	Я Я В 1 2 3 F5 5 F15
E C K	I TERM CH	Todote mine dec cotos es ser se como soboto
1 1 1	3 SLOT* C	G O A 4 5 6 813 88650 B 100 7 51618
		PRS TUV WXY
CH 2	E E K M 1 . S 3	1 H 2 T 8 du 9 manufer de la eleber Fra
x x x	OR COUNT	CALCADA TO THE CONTROL OF THE CONTRO
		* 0 # F10 F20

### GENERAL INFORMATION - INTERFACE SLOT CHECK

This area of the memory block is used to record erroneous PRWs. An erroneous PRW will also register when the ETU busy out switch is turned off. Every time an ETU is busy out, the particular error counter is incremented by 1.

12. Depress SPKR key to go back on line.

Step 12.

M	EMORY BLOCK 5B4 - TERMINAL CH	ECE					914		30	) N	all franchistories of			Y			PK
Special specia		AND								AY	int the				ě.,		EI
- Annual				29	ONIT	1105				(00-1						H3.	LA.
1.	Go off line.		O	F	F	G	L R	I A	N	-	d)	( M	Х	D	X	X	)
2.	Depress F5, then F7.			M	Α	1.	N	Т	Ε	Ń	Α	N	·C	E	10	BATAS	E30
	Depress F14 (See Note 1).		IT.	E	R	М		N	A	1	1140000	C	Н	E	c	K	7
Opposition	[110 [111 [12 [13 [114 [115 [116	Ţ	E	L	?	?	?										
- Company of the	To determine Telephone/Port Number assignment, dial station number to be referenced Example: Station 120 (See Note 2).	. E	C	H	E	C	K	С	0	U	T	E	L.	1	2 ×	52.34	×
(hippinga)	Interpretation for the property of the propert		Б	à gre	lqai	b ai	int	105	101	e U	TH	arl	) da	step	-	-	-
	To determine DSS/Port assignment, depress L14.	0	P	E	?		Т	Ε	R	M	9/Z.8	C	He	Ε	С	K	
delight mind	L-m (E)	Ī		50	J. 2355 (maio)	13.1 E		CBAL No.4	707 113	LUNUS NOTABLE	i en	il g	ni es di i	319 201	251	TVE	
	Enter DSS device number (1-6). Example 6.	E	R	H	0	C R	K	С	0	U	N	Т	D	S	S X	×	6 x
proteintelessifeliess	To determine device type associated with a particular port, depress L15.	O	-	E	. ?		T	E	R	М	*	С	H	Е	C *	K	
Delpartening	[제상자] (MONT) [MONTO ] (MINTELLAND FOR THE STATE OF THE S	207															
Opening and a second	Enter module slot, and channel number. Example: Module 1 Slot 3 Channel 2.	Ε	R	H	0	C R	K	С	0	1 U	, N	S	3	,	C X	H	2 X
Spinish day party																	
	If the counter value is not to be cleared, proceed to Step 12.	)															
	Depress CLEAR key.				- 1	-1		- 1									
	TERFACE SLOT CHECK	E	R	R	0	R	K	C	0	U	N	T	2	1	0	0	0
	Depress ENTER key. (See Note 2). A SWAY a strong out, the particular error counter is		C	H R	E	C	K	С	0	U	T	E	4 <u>L</u> 6	1	2 ×	1 ×	×
1.	Depress SPKR key to go back on line.						75							-	-	dia	

May - Louden Step 1 4 2

KEY	FUNCTION (OF	FLINE)	
	OFF Line PHTA	ARRESTOT ST	MORY BLOCK 5B5 - SOFTWARE/HARD
TEL# - Selec	ts new port device	information	
	ments port device		
	rs error count nun		- CVV
	rs the clear comm		
B/W - Decr	ements port devic	e number	Go off line
parallel (consultation) or better			
GUIDETO	FEATURE PRO	GRAMMING	
MEMORY BLOCK BEING	MEMORY BLOCK THAT	MEMORY BLOCK THAT MAY	
PROGRAMMED	MUST BE PROGRAMMED	HAVE TO BE PROGRAMMED	Language 25 25 approact
			L1 L2 L3 L4 L5 L6 L7 L8
5B4			
304			
	A T S Y	a libi lali	Lepress F15.
ane			L9 L10 L11 L12 L13 L14 L15 L16
CPU-EB3 or hi	igher.		
NOTES:		a agraduat part at reasy, or and object or animalized repairming of decided	
ZUT	ATST	OBSHA	Diai modula number of the slot to be reference
1. During step	Otho towning!	ror count device is	MIC TEL# CLEAR 19 150M 1 FEBRU
displayed as	yyy on the botto	m row of the LCD.	MIC TELF CLEAN
	rors can be displa		
0 p to 200 cr	rors can be dispit	iyeu.	
2. After denre	ssing the CLEAR	key and then the	SPKR FAW ENTER P3
		erminal errors are	Sample Slot   M
cleared.	L. Andreadestander and America	or minute out or o are	ABC DEF 4 F14
			1 2 3 55 5
			F15
			GHI JKL MNO F6
			Eparts SPER Lo to go back on line. 5
			F7 (B)
			PRS TUV WXY F17
			7 8 " 9 6
			F18
			OPER F9
			* 0 #
			F10
			B/W F20

### **GENERAL INFORMATION - TERMINAL CHECK**

This area of the memory block is used to record erroneous PRW's of port devices including ESI-EA and ESI-EB ETUs.

This information checks whether the communication between each terminal and its corresponding interface card is stable. An erroneous PRW will also register when the terminal is unplugged.

IE	EMORY BLOCK 5B5 - SOFTWAR	E/HARD	WA	RI	ES	LO	T	ST.	ΑT	US	S an			olec NAC	0	- 11	
polydepolytica	OPERATION	- AND -	SL # - Selectanew port device information  W Increments port device number  USAR - Clears error con YALISID   VIER - Enters the clear command														
and and a second second	Go off line.		O	F	F	G	L	T	N	Ε	M	(	X	130	Х	X	I
	Depress F5, F7.		Pro-	M	HT RO	-	1075	1	-	-	1	ME3NC	e .	704	1	0,38 Y	I
	Depress F15.													L		28	L
	[811] [113] [113] [114] [115] [116]	S M	0	H	U	S	L E	?	Т		S	L	A	T	U *	S	
ţ.	Dial module number of the slot to be referent (1~4).  Example: Module 1	siced S	0	H D	<b>U</b> ₅	S L							0		U ?		
	Dial slot number to be referenced (1~8).  Example: Slot 5  (See Note 1 and 2).	AUR? S	/ <sub>0</sub>	Н	x	X	x	M		D H	1.	y	S y	у	O y	To TV	
e interpretation and	Depress SPKR key to go back on line.	4															
elaprophistry franklitetalen	TALL S AXM 800																
and a property of the same	27 A500 P. 1014 P. 101	Total Assessment Asses															

### GENERAL INFORMATION - TERMINAL CHECK

This area of the memory block is used to record erroneous PRW's of port devices including ESI-EA and

This information checks whether the communication between each terminal and its corresponding interface card is stable. An errensous PRW WITTERFERSTER when the terminal is unplugged.

restricted to the second of the second of the second of the second of the second of the second of the second of

	Y FUNCT		FLINE)	Spares by		PEG 2.33	VSS ST A NO	ngrap :	MEN SEC	0.18.1	ROM
THE RESERVE AND ADDRESS OF THE PARTY OF THE	elect new sl	THE RESERVE OF THE PARTY OF THE									
	ncrements			1977							
CLEAR -		PLAY	ardse		contract to the	SWE					
ENTER -											98
B/W - D	ecrements	slot numb	er	R L'H	-10					5.0	il Book
GUIDE	TO FEAT	URE PRO	GRAM	MING	20 G					-	
MEMORY BLOCK BE	DESCRIPTION OF THE PERSON NAMED IN	Y BLOCK THAT	MEMORY B		-	- jud					
ROGRAMMED		PROGRAMMED	HAVE TO BE	And agreement of the	reconstruction of the same				evitif	- A - Marie -	anamana (1
	2 212					L1	L2 L3	L4	L5 L	6 L7	L8
EDE				and a second				- L			J
5B5				- 127							
I I SI 41		2 144	0 2		14.	5L			LateVia	F16 (Se	Depress
TOU PRO		ngo, perspell paginers and estimation			1 2	L9	L10 L11	L12	L13 L	14 L1	5 L16
CPU-EB3 o	r nigher.			LLL		-					1000
OTES:											o detern
. The xxxx	k display at	the bottor	n row of	the	HEA		ament dial		FL	imber t	a market
	he software				X i	MIC	TEL #	CLEAR	- productional	Stati	F11
	is the hard								F2		
card) typ	e.										F12
						SPKR	F/W	ENTER	F3		
C	ard type	LCD di	isplay		HIL	13	depress	sign ment	F4	ania DS	F13
	OI	ciol	7 1 .	1 8	2 2	9	ABC	DEF			F14
	LI	TIL	11			1	2	3	FS	5)	
The second secon	LP	SIL	1		HIV	2				(5)	F15
	IFR-EA	MF	RA	k x	X	GHI A	IKL	MNO(3-1)	F6 :	aniva p	nter DS
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NF	CINI	FI			4	5	6		0	F16
	73.67	VIM	1 1						F7	B)	[
V	MI					PRS				the state of the s	F17
V	SI-EA	ES	IA	-	144 15	7	TUV	WXY	E8.		
V	SI-EA SI-EB	ES	I A B	T	HA	7	s 8	55109	FB.	veb enic	F1813
V	SI-EA	ES	California and Califo	T   T	d O	7	. 8 w	55109	F8	sine devi riport, de	F18
VE	SI-EA SI-EB	ES	California and Califo	Υ		M M	OPER O	55109	Leseage		-
V E E	SI-EA SI-EB	E S E S E C	RJ∣€	T T	alo	7	. 8 w	55109	Leseage		F18  †-

3. If the hardware slot type is different from the software one, the hardware slot card does not

i.e. Software card type: the type that has been recognized by the main software presently. Hardware card type: the type which is presently installed.

If you want to change the software card type, you can reassign it by system programming. (4C-1 Card Interface Slot Assignment).

### **GENERAL INFORMATION - SOFTWARE/HARDWARE SLOT STATUS**

This area of the memory block is used to display software/hardware information for each ETU.

	OPERATION <	AN	D -	V Increments stot number  EAR YAJUST   TER														
	Go off line.			O P	F	F	- G	L	I	N M	E	M	(	X	Ē	X	X	
	Depress F5, then F7.	1.1			M	Α	ES LE	N	T	E	N	Α	N	c	E	1	PN3	25
	gegengdie des grandspragischen uns state der der der der der der der der der de		1	I													Ct	100
	Depress F16 (See Note 1).	6.1	S	E	H. L	?	T ?	E ?	R	M		S	T	A	T	U	S	-
	m- data materials materials and													-			:83	
	To determine Telephone/Port assignment dial station number to be referenced.	Sala	S	/	H	X	T	E	R	M	Н	I.	E	ska viĝis	1 v	2	0	9
	Example: Station 120 (See Notes 1 and 2).				^	^	-	-	arti)	Joli	-	-	<b>y</b>	-7-	181	2.6.6 2.6.6 2.6.6 2.6.6	(bri	23
	To determine DSS/Port assignment, depress	5,555,2	S	/	Н		Т	E	R	M		S	Т	A	T.	U	5	
	L14.		D	S	S	?					Ţ	0			10			
	(3)		S	1	Н		Т	E	R	M		8		D	5	S		
	Enter DSS device number (1~6)	A	S	:	х	Х	х	X	A.		Н	N.	у	У	у	у		
	Cent Town I want	ſ		. 1			_	21	= 1			2 1	_	À	IN S. E.	252		
-	Γο determine device type associated with a particular port, depress L15.	Singara de la composição de la composição de la composição de la composição de la composição de la composição	S M	0	H D	?	T	S	R	M	Т	*	T	A:	H	*	S	-
	1979 H	W .					100											
			S		H					M	1							

If you want to change the software card type, you

9. Depress SPKR key to go back on line.

Rardware card type: the type which is

### GENERAL INFORMATION - SOFTWAREHARDWARE SLOT STATUS

This area of the memory block is used to display software/hardware information for each ETU.

in which the in the street and a control of the pages against a control on their controls

### KEY FUNCTION (OFF LINE) SPKR-ON/OFF Line IMORY BLOCK SOL-SYSTEM D TEL#-Select new terminal information F/W -Increments terminal number CLEAR -ENTER-B/W -Decrements terminal number **GUIDE TO FEATURE PROGRAMMING** MEMORY BLOCK BEING MEMORY BLOCK THAT MEMORY BLOCK THAT MAY PROGRAMMED MUST BE PROGRAMMED HAVE TO BE PROGRAMMED L1 L2 L3 L4 L5 L6 L7 L8 5**B**6 L9 L10 L11 L12 L13 L14 L15 L16 CPU-EB3 or higher. NOTES: 1. The xxxx display at the bottom row of the LCD is F1 the software terminal assignment type and yyyy TEL# CLEAR MIC F11 is the hardware port (installed terminal) type. F2 F12 2. When a terminal is not installed or assigned at F3 F/W ENTER the corresponding port, NON is displayed. SPKR F13 F4 F14 Terminal type LCD display LCD display Terminal type 5 £5 16D 6 D ! 1 1 16 K 1 16K F15 6 D 1 1 D S S R A A 6D DSS F6 MNO 6 11 11 1 RAA F16 6 6 1 6 E 16E 1 SLT SILIT В F7. F17 3. If the hardware terminal type is different from WXY F8 the software one, the terminal does not work. F18 i.e. Software terminal Type: the type which F9 OPER main software F19 F10 recognizes. B/W F20 Hardware terminal type: the type which is presently

### GENERAL INFORMATION - SOFTWARE/HARDWARE TERMINAL STATUS

This area of the memory block is used to display information of software/hardware terminal type.

installed.

If you want to change the software terminal type, you can reassign it by system programming.

(1E-2 Terminal Add Port)

OPERATION <	AND ·				$\rightarrow$	- <u>I</u>	DIS	PL	AY	181	ain:	2.115			LA:	
o off line.		O P	F	F	- G	L R	-	N	<b>E</b>	E I	( M	-	-	X	X	
Depress F5, and F8.	0 [10]		M	Α	T	N	Т	Ε	-	-		c	Ε	2	PARTY PARTY	
Depress F11. (See Note 1).	0 E3 E10	Y 3	s :	1	2	D	A	T N	A 2	2	<b>C</b>	H	A	N	G 0	E
£73	the case of the ca	V	979 pe.	bna yž ( ang	eri leri lea	ni iy mu or s	mer d te led	ign ign alle alle stal	ass nst t in	nal rt.(i	imi oq s	ele Fey Sin	ries teir	xxx efta en e	he s s the The	
2 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 2 2 1 1 2 2 1 1 1 2 2 1 1 1 1 1 1	and the same of th	4 4 4 4 4 4	8 8 8 8 8 A	d	oqu	S A	16 DS RA				1 3			161 60 161	
175   Tr.   P 'YW	8 5 7.09 8 7.00 0 1.00		doi:	now riw awaj awaj awaj awaj		es r te t tain tong	obi N N		YF TO	d en			YEEV		e teri	

### GENERAL INFORMATION - SOFTWARE/HARDWARE TERMINAL STATUS

This area of the memory block is used to display information of software hardware terminal type.

If you want to change the software terminal type,

and the children was able to allow as a first the contract of the commencer inches a

	INCTION (OFF L	INE)	
TEL#-	FF Line		MORY BLOCK SC2. DATA DHMP
F/W -			Accommendation of the second control of the
CLEAR -	YAJISE	<u> </u>	AND -
ENTER -			
B/W/	1)	1 2 3 6	ie off line.
GUIDETO	FEATURE PROG	RAMMING	
MEMORY BLOCK BEING	Control of the second s	EMORY BLOCK THAT MAY	
ROGRAMMED	MUST BE PROGRAMMED HA	AVE TO BE PROGRAMMED	
			L1 L2 L3 L4 L5 L6 L7 L8
5C1			
			Penress L1-L16 for setting the desired
TDIL EDO - L'			. L9 L10 L11 L12 L13 L14 L15 L1
CPU-EB3 or hig	her. 00	4000	xample: Address 400000
			iee Notes 1 and 2).
During step	3, displayed time	e and memory	F1 F1
block number	is the last time an	d memory block	MIC TEL# CLEAR 1 1 F11
number the /	Answer key was de or Tone was heard.	epressed, except	apres ENTER Let (See Notes 3 and 4)
witer the Err	or rone was neard.		F12
0 3 : 1 2	JAN22	1 A - 0 4	SPKR FAW ENTER F3
Hour, minute	\	ت ت	warran SPKE 1 v 18 or back on line.
nour, minute	Month Day	Memory DSS Button Block Depressed	1 ABC DEF 3 F5 5
		Depressed	1 2 3 F5 5
	Inconvious		I GHI JKL MNO F6
DSS BUTTON	DSS BUTTON DEPRESSED	ELIMONION	4 5 6
DOS BUTTON	INDICATIONS	FUNCTION	F7   F17
			PRS 7 TUV 8 WXY 9 F8 C
11	01	CO Line	F18
12	02	Pool Line	OPER F9
14	04	EXT Line	* 0 # F10
16	06	Data XMIT	B/W F20
17	07	Data Receive	
18	08	Save & Repeat	
20	0.1	DND Position	

### **GENERAL INFORMATION - SYSTEM DATA LAST CHANGE**

This area of the memory block is used to display information about the last system data change. This includes Time, Date, and Memory Block.

1E	MORY BLOCK 5C2  OPERATION	- DATA	DUMI	AND	E				- <u>D</u>							2		W.
ι.	Go offline.				O P	F R	-	- G	-	Α	М	-	( // O	-	E	X	X	
2.	Depress F5, F8, and F12, i	n order.	elle.	1 [13	A	-	D	R 0	E 0	S	5	065 pr	SEAGON I	D	Α	٢	A	PAC.
3.	Depress L1~L16 for setting address to be referred.  Example: Address 40000 (See Notes 1 and 2).	TELL IT			Α	D 4	D 0	R 0	E 0	5	S 0		111	D	A	<b>T</b>	Α	19
	Depress ENTER key. (See	Notes 3 a	1 100 mm d 4).	Section of the sectio	A	D	D 4	R 0	E 0	5	S 0	0	aib said saoT	D	-	Т	A	
	Depress SPKR key to go ba	Acceptation and the Control of the C	Printeriore				10 Sept	1 876	ionyli rakti		χ»	SIA G	A A	VI W	12	i in	3.1	B
	24   24   24   24   24   24   24   24	O TXY	2	E19 7		101	ro	nu.				RES	DSS IND		401	TU	8 8	20
		Samuel	D		periors			J O			ing page	02		1	ejmalate (c	1	-available (As	particular services of the ser
	819	77	1390		Statement							0.4				4		uluiş İrin
	P19 P19	to The annual property		lamanud.				A i i		-		80		1	ona crein-	. 6		n ya iliyingi mini
-		T-Me-T						sis sis				ovited to the			and the same	10:		grand religion
					1	i de	1100-010	Meuropire	- September		days yearly in	97	, marks area	1	reached to be		desiráncia de co	a president
					Barrell	man allerian	gitmetteri	19.07	(Probinital)	anne de la la constante de la	-	80	ومنسيني			8		
					1 11	out	30,1	QV.						1	and the second			

### GENERAL INFORMATION - SYSTEM DATA LAST CHANGE

This stea of the memory block is used to display information about the last system data change. This includes Time, Date, and Memory Block.

B. Salah Mariji Strangan Salah

100 in the inscription bus is

TEL# - Refer	OFF Line to new address ment address	ERCHARI	MII									
CLEAR - Chan ENTER - Enter B/W - Decre	ges displayed data r displayed data n ement address		IT ME					Out.				
GUIDE TO	FEATURE PRO	GRAMMING	Nepl action							nicotores	d-Sysubsinia	
ROGRAMMED	MEMORY BLOCK THAT MUST BE PROGRAMMED	MEMORY BLOCK THAT MAY HAVE TO BE PROGRAMMED	81 <del>-110</del> 191 <del>1200</del>	<del></del>	united ma) al	Lavar		712			18393	1 2/18/11
otiniini .o.	10 sec.   680 p	fore Delay	a d L		12	L3	L4	L5	i ] [	L6	L7	L8
CPU-EB3 or hi	gher.	strate material	no lete	9 [	10	L11	L12	L1	3	L14	L1	5 L16
390 sec	d Address Corres	ii, back to the er a DSS-sonsbnoq sûnanswered	23) [22	uc	mit i	atten	EAR	-0.3 E	F1	лО-9 ][]	Cam	VBLF
LK No. 1 2 3 4	1 5 6 7 8 9	10 11 12 13 14 15 1	_	-	ipul 1	Acres of the last		-03 <b>[</b>	F2	]   -		) ils
Add No. 1 2 3 4	5 6 7 8 9	ABCDEF	0 5	KR	F/W	EN	TER	[	F3		(2)	9V18U
. The display	ed Address is shif	ted to the left.	80440	01.48.15	d. 8003			ſ	F4	-		F13
1. 750 25 1.750 27	222	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	ABC 2	06	4	Γ	F5	5	ntel	F14
	12 12 12 1 3 ·	varda after pe	not lis	3 8 6	befor	rime		ap.	1		bra	F15
0 4 2	223   120 ma 01	ed on Exclusive	GHI	4	JKL	MI	6	-Cr	F6		-	F16
		ER key is depressed			Tuv			L	F7			F17
the data cor	responding to the			3 <b>7</b> 8		3 of A	9	(-a[	FB	(0)	A 07	F18
displayed.	OF RAP less fal	depressed, the 3093	N 10 10 10 10 10 10 10 10 10 10 10 10 10	2010	OPER	los [A		-0[	F9	1 90:	A an	
displayed da	ta size is changed tes→6 bytes→8 b	1.		*	DENIE C		# 8/W	[	F10		2024	F19
ADDR		DATA		A D	DR	ES	S	4	2 2	2 2	2 2	П
422	222	x x	÷□	хх		уу		Z	z .		a a	N 59
		2121212121	YO THE	AID	DIP	ES	ISI	14	212	121	212	
ADDR	ESS 4	2 2 2 2 2	0.000 (0.000)	MID	DIV	E 3	12	4	4 4	- 4	2 2	

This area of the memory block is used to display the system's memory.

This facility is useful for diagnostics and remote maintenance service in the event of system's trouble.

SECTION 350 (OFF LINE) 038 NOITO SETUNCTION TIMES TRAHO SAMIT NOITONT FUNCTION TIMES TRAHO SAMIT NOITONTAINS

TIMER	MEMORY	erste gewone de de mais that the transmission and a superficiency in a superficiency of the s	alab bevTI		CLEARIU
TIMBA	BLOCK	DEFINITION	Minimum	Default	Maximum
Call Park Recall	2D-1	Time before a call placed in call park recalls. (except conference call)	10 sec.	180 sec.	990 sec.
Delay Announce Timeout	₹2D-1 ♣J	Time Delay before Delay Announcement stops and the trunk is released.	10 sec.	600 sec.	stiniful SC2
Start Time (SMDR) and Elapsed Call Timer	2D-1 [E7.1] [S7.1	Delay Time before system starts recording the duration of an outgoing call.	10 sec.	20sec.	70 sec. CPU-RB3 (MOTES:
DSS/BLF Camp-On/ Transfer	2D-1	Recall timing for a call, back to the attendant station, after a DSS/BLF Transfer or Camp-On is unanswered.	10 sec. eqaerro0 aa	50 sec. rabbA bas	990 sec.
Recall (Camp-On/ Transfer/Non- Exclusive Hold)	2D-1	Recall timing for any call from a non- attendant position after a Camp-On, Transfer or a call placed on Non- Exclusive Hold is unanswered.	11 10 sec. T	9 50 sec.	990 sec.
Cancel Automatic	2D-1	Timeout value for a callback that goes unanswered.	10 sec.	20 sec.	990 sec.
Call Forward No Answer	2D-1	Time before a call forwards after no answer.	10 sec.	20 sec.	990 sec.
Exclusive Hold Recall	2D-1	Time before a call placed on Exclusive Hold recalls.	10 sec.	60 sec.	990 sec.
External Page Access Duration	81 2D-1 0	Allowed time for External Page	losec.	300 sec.	990 sec.
Internal Page Access Duration	2D-1	Allowed time for Internal Page, de Dougle	ai 10 seci A /	360 sec.	990 sec.
Modem Reserve	2D-1	Maximum time a modem within a modem pool can be reserved by a station.	10 sec.	600 sec.	990 sec.
SMDR Valid Call Fimer		Minimum duration of an outside call before the system provides an SMDR	10 sec.	40 sec.	990 sec.
1222	S 4 2	report, 8 G G A A G G S S S S S S S S S S S S S S	5 42	8 8 8	DOLA
Conference Park Recall	2D-15	Time before a conference call placed in call park recalls.	10 sec.	300 sec.	990 sec.
MFR Timeout		Maximum time MFR will remain on line before the first and between each digit dialed by a Single Line Telephone.		1 1 1	99 sec. This area of This facility

### SECTION 350 FUNCTION TIMER CHART (Contd.)

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will the

TIMER	MEMORY	HOLLINIAGE	ITKORY BLOCK	MING VAL	UEGT
muminum linale	BLOCK	DEFINITION	Minimum	Default	Maximum
Talk Start Timer	2D-2	Minimum time needed after dialing on a trunk to establish a trunk to trunk transfer.	1 sec.	18 sec.	99 sec.
Delayed Ringing (CO Line)	2D-2	Time Delay before CO ringing starts at stations assigned delayed ringing.	1 sec.	15 sec.	99 sec.
Delayed Ringing (Extension)	2D-2	Time Delay before Internal ringing starts at stations assigned delayed ringing.	1 sec.	10 sec.	99 sec.
Voice Mail Automatic Dial Send Start	2D-2	Delay time before DTMF dial is sent to the VMI ports.	1 sec.	2 sec.	99 sec.
Delay Announce Timeout	2D-1	Time Delay before Delay Announcement stops and the trunk is released.	1 sec.	20 sec.	99 sec.
A u t o m a t i c Disconnect Timer	2D-3	Maximum time before automatic- disconnect of trunk to trunk connec- tions.	10 min.	60 min.	990 min.
DTMF Digit Duration (COI)	4B-1,4B-6, 4B-9	Duration time for each digit dialed on an outside line.	60 mS.	110 mS.	760 mS.
Trunk Hookflash (COI) = 0084	4B-1,4B-6	Duration of CO/PBX hookflash when RECALL button is depressed.	300 mS.	1500 mS.	1700 mS.
Hit Protection Time (COI) 988 \$1	4B-2, 4B-7	Minimum duration of a disconnect signal from the central office, before the system disconnects the line.	4E-50	350 mS.	700 mS.
Pause Time (COI)	4B-2, 4B-7	Duration of pauses stored in speed dial memories.	T 0	I sec.	7 sec.
Recognition Time	4B-2, 4B-7	The minimum time interval after the system releases a CO line before it can	0	300 mS.	1400 mS.
COI)	.oeam 0	be reaccessed. (This allows time for the CO network to also release the line.)	4E-6 T	b	going Cuar
nterdigital Interval Pime (COI)	4B-2,4B-7, 4B-9	Minimum allowable time interval between two consecutively dialed	40 mS.	70 mS.	180 mS.
2 sec. 28 sec.	2 sec.	DTMF digits sent by the system to the Central Office.	4E-6 W	\ mois	dem Rostri
Tookflash Start Time (SLT)	4B-3, 4B-8	Minimum hookflash duration from a Single Line Telephone in order to receive second dial tone.	100 mS.	300 mS	800 mS.
Hookflash End Time SLT)	4B-3, 4B-8	Maximum hookflash duration from a Single Line Telephone in order to receive second dial tone.	HF Start	1000 mS.	2200 mS.

### SECTION 350 FUNCTION TIMER CHART (Contd.)

TIMERIAV DV	MEMORY		TII	MING VAL	UE
TIMER	BLOCK	NOITINITADE DEFINITION	Minimum	Default	Maximum
Bounce Protection Time (SLT)	4B-3, 4B-8	Lapsed time after hook flash before detecting on-hook condition.	0 2D-2	300 mS.	1400 mS.
Disconnect Time (VMI)	4B-9	Duration of timed desconnect signal which is sent to the Voice Mail System	500 mS.	1500 mS.	7 sec.
Answer Detect (TLI)	4E-4	Time duration needed to recognize an answer from the called party.	0	520 mS.	1820 mS
Release Detect (TLI)	4E-4	Minimum time after hanging up before E lead recognizes a disconnect from the CO.	0	520 mS.	1820 mS.
Pre-Pause Time (TLI)	4E-4	Lapsed time before sending pulsed digits to CO after distant end goes off-hook.	0	3 sec.2	12 sec.
Pause Time (TLI)	4E-4	Duration of pauses stored in speed dial memories.	0	1 sec.	7 sec.
Wink/Delay Incoming Detection Fime (TLI)	4E-5	Time duration lapsed before recognizing an off-hook condition from the CO with a delay or wink signal.	6 <b>0</b>	Delay: 120mS. Wink: 520mS.	Delay: 420mS. Wink: 1820mS.
Length of Wink Signal (TLI)	4E-5	Length of wink signal sent to the distantend.	30 mS	180 mS.	450 mS.
Length of Delay Signal (TLI)	4E-5	Length of delayed signal sent to the distant end.	0	300 mS.	4200 mS,
Loop Off-Guard Time TLI)	4E-5	Time duration lapsed before recognizing a disconnect condition after sending an answer signal (on loop dial	0	2 sec.	12 sec./10
Jec.   7 sec.	0	Tie lines), age al beams seeing lo neidean	3-2, 4B-7 D	14	use Time
Wink/Delay Signal Detection Timeout and TLI)	4E-6	The length of time, in seconds, that the system will monitor the central office line for receipt of a wink signal.	1 sec. T Table 2.1		9'sec.
Outgoing Guard	4E-6	Time duration lapsed after sending a	20 msec.	3 sec.	14 sec.
Cime (TLI)	Em es	disconnect signal that the line is monitored to verify a distant disconnect (on loop dial tie Lines).	2,48-7, N	la locust	erdigital Ir ne (CO1)
andem Restriction/	4E-6	When using a Tandem Port, the	2 sec.	12 sec.	28 sec.
CR Control Timer FLI) 2m 008 2m 00	00 mS. 3	maximum time before the voice path is established, after dialing the first digit and between each digit dialed.	-3, 48-8 M	34	or skfigorStar se (SLT)
TMF Interdigit ime (TLI) 22 000	4E-8	Minimum time duration between DTMF digits when dialing.	40 msec. M   8-84 .5-	70 msec.	180 msec.
TMF Duration	4E-8	Duration time of tie line DTMF digits.	60 msec.	1 1 0 msec.	760 msec.

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### SECTION 360 CODE / CALL RESTRICTION

360.1 General

To provide dialing restrictions on an individual station basis, a method of code restriction has been designed into the Electra MarkII system. The Electra MarkII utilizes a pattern of 32 system tables containing specific area and office codes. Each table is set as an allow or deny table. Allowing restricted stations to dial only specific area and office codes is then accomplished by assigning one or more tables to the stations as required. If operator restriction (Memory Block 1D7) is not assigned to a station, then it is not restricted from dialing any number. This section will fully explain this procedure. It is recommended that before attempting to program any code restrictions that this section be fully reviewed.

Table 360-1

MEMORY BLOCK	COD	ETABL	NUN	1BER	E.A.	
a3E5 a	ALLOW	//DENY	reži b	artota l	4.8	
3E6	TRUNK		WO LLA	2	3	4
3E7	OCCFL	AG <sup>1</sup> O <sup>1</sup> O	tudi be	ariota I	A A	
3E8	OCC CO ASSIGN	DE	tedi id	selector)	8	2
ree diali 288 east blue a	C O	NO. 1 2 3 4 5 6	AREA	CODE	OFFICI 1	E CODE
100		8	and the	. 1	Local	1

There are 32 system code tables (Example shown in Table 360-1) available on the Electra MarkII system. Each table has several parameters assignable.

Allow/Deny Parameter

Each table can be assigned as an allow or a deny table. If a table is set as a deny table, stations assigned this table will be restricted from dialing any area code or area — office code entered into the table. If a station is assigned a deny table and an allow table that both contain identical area or area + office codes, the system will allow the station to dial the

System allow: allow user free disling

number if the allow table number comes before the deny table number. (1911) 300

Example: Operator restriction is assigned to session 104.

- (XXX) identifies the carrier service to be used) before 10. A. Station 104 is assigned Table 01 and Table 14. A. Station 104 is assigned Table 01 and Table 14. The OCC 1188
- B. Table 01 is assigned as an allow
  - C. Table 14 is assigned as a deny
- D. Table 01 has its first entry programmed for 516 753 houses said wolfs like makes and a second of natists and wolfs of excess faups evisces.
  - E. Table 14 has its first entry programmed for 516\*\*\* (\* represents digits 1 ~ 0, #, and \*)

After the 516 is dialed, the system will inspect all the tables assigned to this station starting with the first table then to the next in numerical order; the Electra Mark II system will look for a match between the number entered into a table and the number dialed. The example shows that if 516 is dialed there will be an area code match in Table 01 (containing 516-753) and Table 14, (containing 516). The system only sees the match for Table 01 as it scans the tables in numerical order. If the system first saw the match in Table 14, the station user would have been restricted because Table 14 has been set as deny. Although there is a match in Table 01, it is not a complete match because the 516 in the table also contains an office code (753).

The system will, therefore, allow Station 104 to dial 3 more digits. If 753 has not been dialed, it no longer sees the match in Table 01. The system will, therefore, only see the match in Table 14 (where an office code has not been specified). If 753 had been dialed, the match would still be seen in Table 01. This example shows a way to restrict a station from dialing all but one office code in a particular area code.

Trunk Group Parameter

Each table can be assigned a maximum of four trunk groups. When a code restricted station dials out on a particular trunk group, the system will only look at those tables which are assigned to the station and to the trunk group the station is dialing out on. This allows different restrictions to be set on a station on the trunk group that is accessed.

t. Table is allow: allow user free dialing

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number if the affoir table number comes before th OCC (Other Common Carrier) Flag Parameter Each table has an OCC Flag Parameter which can be set or not. When a station user dials a second common carrier, it is necessary to first dial 10-XXX (XXX identifies the carrier service to be used) before the actual telephone number. To allow/deny a toll restricted station to dial beyond 10, the OCC Flag Parameter must be set in at least one table assigned to the station.

OCC (Other Common Carrier) Code Parameter If a station is assigned a table with the OCC Flag set, the system will allow the station to dial 10 and receive equal access. To allow the station to choose a particular carrier the table assigned must have the 3 digit OCC identification code entered. This assignment allows only certain OCC codes to be used by restricted stations, stave edt, belsib ai 818 ads antiA

Code Numbers Parameters

Each of the systems' 32 tables contain eight entries for digit entry. Each item can hold an area code (3 digit) and or office code (3 digits). Area or office codes to be restricted are placed in deny tables. Area codes or office codes to be allowed are placed in allow tables.

To simplify the understanding of the code restriction on the Electra MarkII system, its' discussion will be divided into the following sub sections:

- 1. 1 + dialing area (prefix dialing)
- 2. Direct dialing area (standard dialing) and dolars. affice code (753).
- 3. Equal Access (OCC usage)
- 4. Puerto Rico area type dialing

Note: Depending on the area the Electra MarkII system is installed, one of these four sub sections should apply if the specified to see about allo

360.2 A 1 + dialing area (discussion of flow chart) (refer to flow chart Table 360-2) aw a sword sign axe

Step 1. First digit dialed

- a. Digit 0: disconnect station are quoto MausT
- b. Digit 1; allow second digit (go to step 3)
- c. Any digit 2 to 9: If digit is not a rejection code let user dial two more digits (go to step 2) those tables which are assigned to the station and to

Step 2. Check last 3 digits dialed and quote shared end

- a. Lowest possible table assigned to station which contains the three digit number as an office code entry is found.
  - 1. Table is allow: allow user free dialing

2. Table is deny: disconnect station

- b. No table is found (Check memory block 3E-4)
  - 1. System Allow: allow user free dialing
- 2. System Deny: disconnect station

station basis, a method of code Step 3. Second digit dialed Managed Series of the State of

- a. Digit 0: (See OCC discussion)
- sidb. Digit 1: disconnect station
- c. Any digit 2 to 9 (go to step 4)

stations to dial only specific area and effice codes is then accomplished by assign blaid high digit dialed

- a. Any digit 2 to 9: disconnect station
- Book b. Digit 0 or 1 (go to step 5) at TVI should vrome (A)

Step 5. Fourth digit dialed interesting

- a. Lowest possible table assigned to Station which contains the last three digits dialed, as an area code item, is found.
  - 1. Table is allow:
    - A. Matched item in table also contains an office code (go to step 6)
    - B. Matched item in table has only area code: Allow user free dialing
  - Table is deny
    - A. Matched item in table also contains an office code (go to step 6)
    - B. Matched item in table has only area code: disconnect station
  - 3. No Table is found
    - A. System Allow: Allow user free dialing
    - B. System Deny: disconnect station

Step 6. Allow three more digits to be dialed:

- a. If item in table matches area and office code dialed:
  - 1. Table is allow: allow user free dialing
- 2. Table is deny : disconnect station

b. If item in table no longer matches for area code and office code dialed, locate next lowest table which contains a three digit entry which matches the area code dialed or a 6 digit entry which matches the area and office code dialed.

- yns gri lel New table found: dliw ddsJ sidi bengisse
- a. Table is allow: allow user free dialing
- b. Table is deny: disconnect station
- 2. No Table is found (check Memory Block and lai3E 4) will allew the station the system the
- a. System allow: allow user free dialing
  - b. System deny: disconnect station

to be the property of the second of the seco

- 360.3 Direct dial area (refer to Table 360-3)
- Step 1. First digit dialed
  - Step 1. First digit dialed a. Digit 0: disconnect station good by the Control of
  - b. Digit 1: (go to step 3) olla ie of I stalb yn A d
  - c. Any digit 2 to 9, if digit is not a rejection code allow user to dial second digit (next step)
- Step 2. Check last three digits dialed Step 2. Second digit dialed appears and most make.
- a. Digit 1 or 0: allow next digit to be dialed (go to step 7)
- b. Any digit 2 to 9: allow next digit to be dialed NOTE: When Memory Block a (6 ques of W at TOW
- Step 3. Second digit dialed
  - a. Digit 0: (See OCC discussion)
- b. Digit 1: disconnect station of medi ov. d
  - c. Any digit 2 to 9: (next step) and in a finite sould
- Step 4. Check memory block 3E1 (area assignment)
  - a. System not assigned ITC: disconnect station
  - b. System assigned ITC: allow 3rd digit (next step)
- Step 5. Third digit dialed
  - Step 4. 5th Digit Digied a. Digit 1 or 0: allow next digit (go to step 7)
  - b. Any digit 2 to 9 allow next digit to be dialed (next step)
- Step 6. Check last 3 digits dialed and record reswo.1
  - a. Lowest possible table assigned to station which contains the three digit number as an office code is found.
    - 1. Table is allow: allow user free dialing
    - 2. Table is deny: disconnect station
    - b. No table is found. Check Memory Block 3E-4
      - 1. System allow: allow user free dialing
      - 2. System deny: disconnect station
- Step 7. Check last 3 digits dialed:
  - a. Lowest possible table assigned to station which contains the last three digits dialed as an area code item is found combains the last thre
    - 1. Table is allow:
      - A. Matched item in Table also contains an office code (go to step 8)
      - B. Matched item in table has only area code; allow user free dialing
    - 2. Table is deny:
  - A. Matched item in table also contains an office code (go to step 8)
    - B. Matched item in table has only area code; Disconnect station

- b. No table found; check Memory Block 3E-4
  - 1. System allow: allow user free dialing
    - 2. System deny: disconnect station
- Step 8. Allow three more digits to be dialed
  - a. Item in table matches area and office code & System deny; disconnect statballib
    - 1. Table is allow: allow user free dialing
- 2. Table is deny: disconnect station
- b. If item in table no longer matches area and office code dialed, locate next lowest table which contains a three digit entry which matches the area code dialed or a six digit entry which matches the area and office code dialed.
  - 1. New table found
  - A. Table is allow: allow user free dialing

wolls sieldsT I

- B. Table is deny: disconnect station
- 2. No table is found; Check
- 1980 Well Memory Block 3E-4
  - A. System allow: free dialing
  - B. System deny: disconnect station Matched area code item in table also
- 360.4 OCC (other common carrier access) (refer secto Table 360-4) on serie bedietald
- Step 1. First two digits dialed are 10:
  - a. If one or more tables assigned have OCC Flag set, then allow 3 more digits to be dialed (next step) ib soft reen wolls wolls maley?
  - b. If no table assigned has OCC Flag set, then disconnect station Stap 7. Allow three more digits to be dialed
- Step 2. Check last three digits dialed:
  - a. All three digits are dialed within ten seconds: Allow next digit to be dialed (next step)
  - b. All three digits not dialed within 10 seconds: Disconnect station
- Step 3. Sixth digit dialed: and belash adjust
  - a. Digit 0: disconnect station
  - b. Digit 1: allow 3 more digits (go to step 6)
  - c. Any digit 2 to 9: allow one more digit (next entry which metches the area code (qste or a
- Step 4. Seventh digit dialed; office + asts) balath
  - a. Digit 1 or 0: allow one more digit (go to step 6)
  - b. Any digit 2 to 9: allow one more digit (next step) is domnoselb : woob al alde T
- Step 5. Check last 6 digits dialed:
  - a. Lowest possible table assigned to the station which contains the third, fourth, and fifth

digits as an OCC code and the sixth, seventh, and eighth digits as an office code is found:

- 1. Table is allow: allow user free dialing
- 2. Table is deny: disconnect station
- b. Table is not found. Check Memory Block 3E-4
  - 1. System allow: allow user free dialing
    - 2. System deny: disconnect station all

Step 6. Check third, fourth, and fifth digits and the last three digits dialed not on alded at most 11

- a. Lowest possible table assigned to station which contains third, fourth, and fifth digit as an OCC code item and the last three digits dialed as an area code entry is found:
  - 1. Table is allow
- A. Matched area code item in table also contains an office code: (go to step 7)
  - B. Matched area code item in table does not include an office code: allow user free dialing
  - 2. Table is deny by meb massev 3. 8.
- A. Matched area code item in table also contains an office code: (go to step 7)
  - B. Matched area code item in table does not include an office code: disconnect
- b. No table found. Check Memory Block 3E-4
  - 1. System allow: allow user free dialing
  - 2. System deny: disconnect station

Step 7. Allow three more digits to be dialed

- a. Six digit item in table matches last six digits quid dialed a gidate balaib are attaib eard; if A. s.
  - 1. Table is allow: allow user free dialing
  - 2. Table is deny: disconnect station HA d
- b. If item in table no longer matches the last six digits dialed, locate next lowest table assigned to the station which contains an OCC code which matches the third, fourth, and fifth digits dialed and either a three digit entry which matches the area code dialed or a six digit entry that matches the last 6 digits dialed (area + office code)
- a Digit I or 0: allow one bound one wolfs :0 to I finid a
  - A. Table is allow: allow user free dialing
    - B. Table is deny: disconnect station
  - 2. No table is found: check

Memory Block 3E-4 halb & seal Asad 3 . d quit

- A. System allow: allow user free dialing
  - B. System deny: disconnect station

360.5 Puerto Rico (refer to Table 360-5) and C.032. Step 1. First digit dialed belief to the land.

- a. Digit 0: disconnect station work to shall a
  - b. Any digit 1 to 9: allow two more digits to be

Step 2. Check last three digits dialed

a. An item in the special code table matches last three digits dialed: to allow another digit (next step)

NOTE: When Memory Block 3E-1 is assigned as Puerto Rico, Code Table 32 is used as a special code table only.

b. No item in the special code table matches last three digits dialed

Step 3. 4th Digit Dialed Sabald vom an Abad A gas 2

- a. Digit 1 or 0: disconnect station
- b. Any digit 2 to 9: allow user to dial another digit (next step)

Step 4. 5th Digit Dialed

- a. Digit 1 or 0: allow another digit (go to step 6)
- b. Any digit 2 to 9: allow another digit (next step)

Step 5. Check last 3 digits dialed

- a. Lowest possible table assigned to station which contains the last three digits dialed as an office code entry is found
  - 1. Table is allow: allow user free dialing
  - 2. Table is deny disconnect station 2. Table is deny disconnect station 2. Table is deny disconnect station 2. O. No table is found. Check Memory Block 3.E.

b. No table is found: check Memory Block 3E-4

- 1. System is allow: allow user free dialing
- 2. System is deny: disconnect station

Step 6. Check last 3 digits dialed and acquare and a

- a. Lowest possible table assigned to station which contains the last three digits d aled as an area code entry.
- Table is allow men bedon M . A
- A. Matched item in table also contains an office code (go to step 7)
  - B. Matched item in table has only area code: allow user free dialing

as an 2. Table is deny at meat bedat all

A. Matched item in table also contains an office code (go to step 7)

Server from the responsibility of the first of the first of the server o

B. Matched item in table has only area code: disconnect station + DIALAREA

b. No table is found: check Memory Block 3E-4

1. System allow: allow user free dialing

System deny: disconnect station

Step 7. Allow three more digits to be dialed

a. Item in table matches last 6 digits dialed

1. Table is allow: allow user free dialing

2. Table is deny: disconnect station

digits dialed, locate next lowest table which contains a three digit entry which matches the area code dialed or a six digit entry which matches the area and office code (last 6 digits)

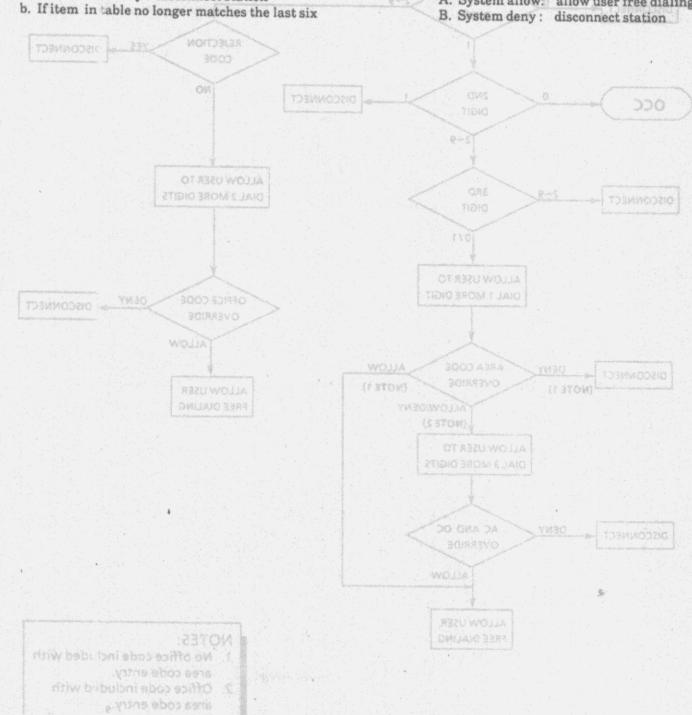
1. New table found

A. Table is allow: allow user free dialing

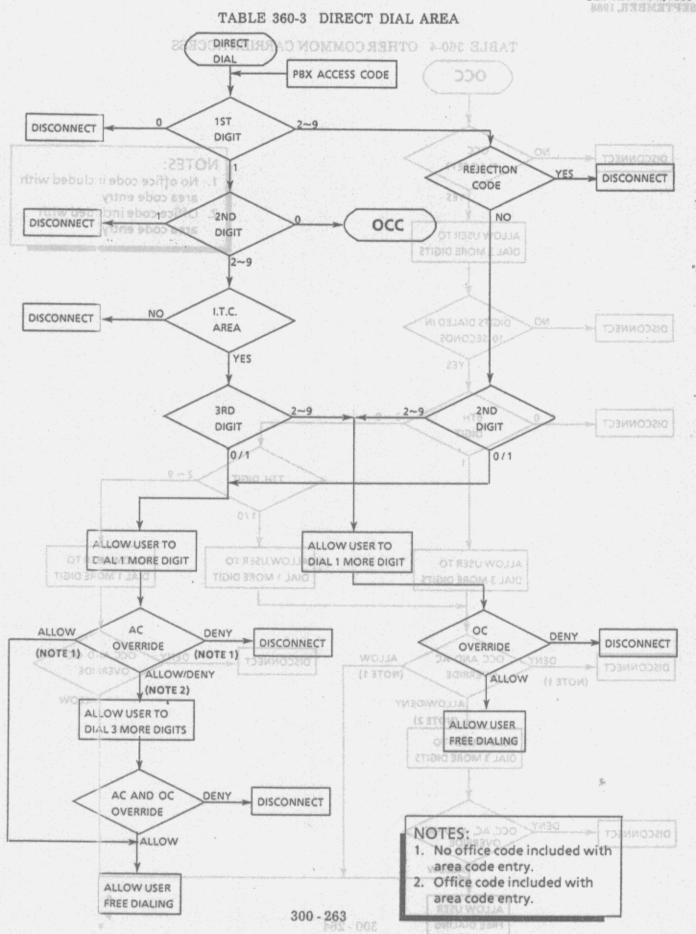
B. Table is deny: disconnect station

2. No table found: check Memory Block 3E-4

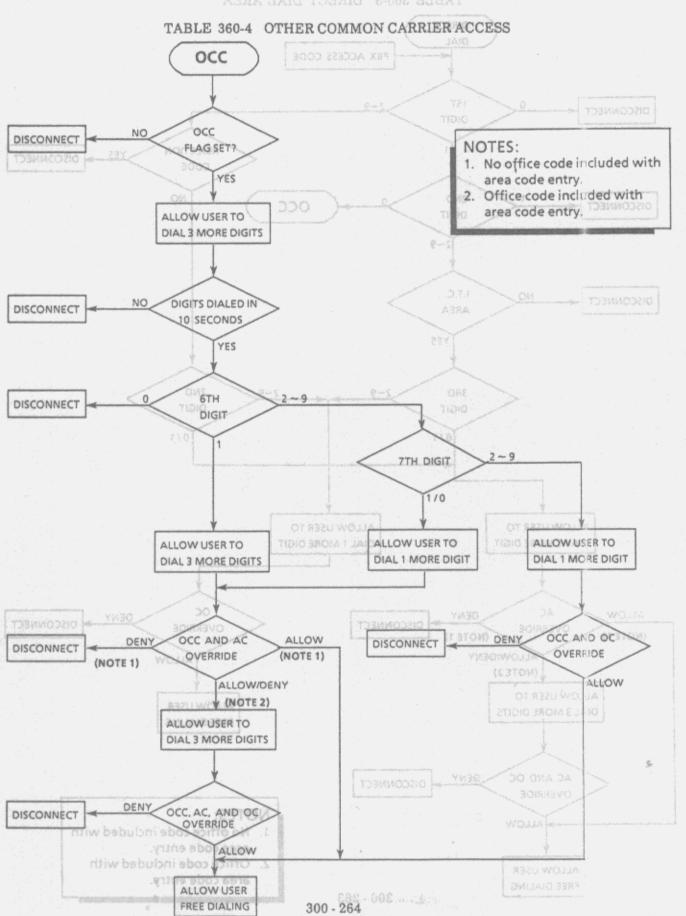
A. System allow: allow user free dialing



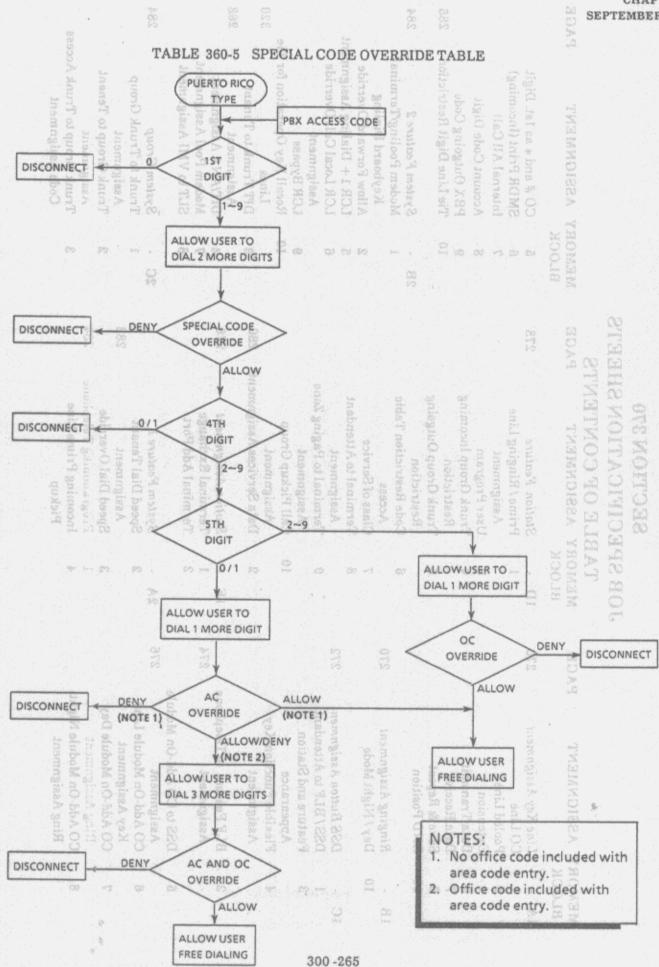
gialded a since mender i e e e



### TABLE 360-3 DIRECT DIAL AREA



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ND-20292 SEPTEMBER, 1988

MEMORY ASSIGNMENT PABLOCK	5 CO # and * as 1st. Digit 6 SMDR Print (Incoming) 7 Internal All Call 8 Account Code Digit 9 PBX Outgoing Code 10 Tie Line Digit Restriction	N AJJ JR D	Assignment Modem Pool Assignment SLT to VMI Assignment Trunk to Trunk Group Assignment Trunk Group to Tenant Assignment Assignment Code Assignment
	278 2B		
SECTION 370 CIFICATION SH LE OF CONTENT ASSIGNMENT	Station Feature Prime / Ringing Line Assignment User Program Trunk Group Incoming Restriction Trunk Group Outgoing Restriction	Code Restriction Table Access Class of Service Terminal to Attendant Assignment Terminal to Paging Zone Assignment Call Pickup Group Assignment Data Services Assignment	Station Assignment Terminal Exchange Terminal Add Port System Feature 1 Speed Dial Tenant Assignment Speed Dial Override Programming Telephone Incoming Prime Line Pickup
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PAGE DISCONNECT	30IRABVO	270	276
ASSIGNMENT	Line Key Assignment CO Line Pooled Line Extension Data Transmit Data Receive Save & Repeat DND Position	Ringing Assignment Day / Night Mode DSS Button Assignment DSS/BLF to Attendant Feature and Station Appearance Flexible Function Key Assignment	BLF Feature to Telephone Assignment Assignment CO Add-On Module Line Key Assignment CO Add-On Module Day Ring Assignment CO Add-On Module Day Ring Assignment CO Add-On Module Night Ring Assignment
MEMORY BLOCK	area code entry.  Do 400 or mode inclusions area code entry.	18 19 WO.	DISCONRECT DENY AC AND A CONFISCION DESCRIPTION DESCRI

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MEMORY	4B - 9 8 2 2		9 4C - 1 4E- TLII
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TOB SPECIFICATION SHEETS

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### TABLE OF CONTENTS TO BE SPECIFICATION SHEETS

### JOB SPECIFICATION SHEETS

This section consists of sample Job Specification Sheets that when filled out contain all the system programming values and configuration information.

During the initial stages of system planning, the job specification sheets are necessary for collecting information to accurately configure the installation of the Electra MarkII system. The customer information, as collected by the salesperson (or installation supervisor) is recorded onto order of the memory blocks to make the system programming as efficient as possible. The first group of sheets are used for entering station the specification sheets. Samples of these sheets are arranged in logical features. Line button assignments for Multiline Terminals and DSS/BLFs as well as dialing restrictions and class of service (as required by the customer) are listed here. The second group of sheets are used for assigning system features. Assignment of trunk groups, specialized

The last group is used for documenting all the necessary information about the hardware configuration. This group is very useful to service technicians who need to keep track of adds, moves, and changes. In some services, and assignment of system attendants are entered in this group. cases this group is used during troubleshooting.

The first page of each job sheet includes a brief description of each column and possible entries. After initial installation, job sheets must be kept up to date and left on site to provide technicians with the necessary information required when servicing the system; a duplicate copy should also be kept in the servicing office customer's file. Each CPU-E( ) ETU is shipped with a copy of the complete job specification sheet manual (ND-20234). Additional copies can be obtained by ordering Stock Number 700402

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TOB ZEECHLYLO 300-269 EFFCLOMS

### JOB SPECIFICATION INSTRUCTIONS

## MEMORY BLOCKS 1A, 1B & 3B-10 LINE KEY, RINGING AND LINE POOL GROUP AUTO EXTENSION ASSIGNMENT

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1000	253		
	383		
460	3301		
52	283		
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1.000	3333	14	
70-	200		
120	3.73	9	
12	256	2863	
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14.	34.0	25	
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E 575		10000	

EXTENSION BEING ASSIGNED (STATION NUMBER)

DESCRIPTION

EXTENSION (100 ~ 899)

ENTRY

 $(10000 \sim 8999)$ 

STA TYPE STATION # RUN # NAME / LOCATION

ASSOCIATED STATION CABLE RUN NUMBER

(6D), RAA-E UNIT (RAA) (6), ETE-16K-1 (16K) ETE-6D-() ETE-6-()

TYPE OF TERMINAL

STATION & RUN # STA TYPE

NAME / LOCATION

(STATION TYPE)

(16D)ck Manuper 100403 ETE-16D-() ETE-16-2

EIL is shipped with a copy of the complete job (AERCE-CLV) images rests contactioned

STA. TYPE NAME/LOCATION STATION # HUN #

NAME AND/OR LOCATION OF STATION USER COMPANDE STATEMENT STATEME

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RINGING ASSIGNMENT

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DATA TRANSMIT (DT), DATA RECEIVE (DR)

SAVE & REPEAT (S01 ~ S80), DO NOT DISTURB (DND)

TRUNK/CO LINE (TOI ~ T40), POOL (PI~P8) AND SOG BECERSOR

EXTENSION (100 ~ 899) or (1000 ~ 8999)

BOTH RING (B), LEAVE BLANK FOR NO RING BOTH DELAYED (BL), DAY RING & NIGHT DELAYED (RL) DAY DELAYED (DL), NIGHT DELAYED (NL) DAY RING (D), NIGHT RING (N) DAY DELAYED & NIGHT RING (LR)

(3)

LINE POOL GROUP AUTO
EXTENSION ASSIGNMENT

ASSIGNED

NOT ASSIGNED

3

300 - 313

## MEMORY BLOCKS 1A, 1B & 3B-10 LINE KEY, RINGING AND POOL AUTO EXTENSION ASSIGNMENTS

		12	7	3	2	1.5	971	L7	F8
NAME / LOCATION		1.9	1.10	[11]		L13	L14	L15	116
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NAME / LOCATION		F3	L10		L12	= TiskT	ALITATE ALITABLE	L15	116
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NAME / LOCATION		67	710	ELII TANAMA	1.12	L13	1.14	L15	1.16
STATION # RUN #	STA TYPE	13	1.2		73	1.5	97	171	128
NAME/LOCATION		1.9	110	ltii	L12	L13	L14	L16	L16
	STA TYPE	11	1.2	L3	[4	1.6	97	L7	128
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NAME/LOCATION (	8 Y 8 H	L9	110	III	112	L13	L14	L15	L16

108 SEECILICY 2005271 IMPLENCLION?

### JOB SPECIFICATION INSTRUCTIONS

MEMORY BLOCKS 1C-1, -3, &	[C-1,-3,	4 8	DSS BUTTON DESCRIPTION	ASSIGNE	ASSIGNMENTS FOR EDE-30-1	R EDE-3	-
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				100	09=Internal All Zones 10=External Zone 1	SS	LEJ.
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## MEMORY BLOCKS 1C-1, -3, & -4 DSS BUTTON ASSIGNMENTS FOR EDE-30-1

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JOB SPECIFICATION INSTRUCTIONS

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MEMORY BLOCKS 1C-1"-3" & -4 D300-2011LON V22ICHMENLZ EOK EDE-30-1

DVA DELVAED & MICHLEGAG (FB)
DVA KIAC & MICHLEGAG (FB)

## MEMORY BLOCK 1C-2 BLF FEATURE TO TELEPHONE ASSIGNMENT

NUMBER	STATION		4		10						
MODULE NUMBER	BLF ASSIGNMENT NUMBER	Ī	2	C	4	5	9	7	8	PERIODUAE	10

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MODULE NUMBER	BLF ASSIGNMENT NUMBER	11	12	13	14	SECULA <b>15</b> CL	16	17	18	LV2V 19 V	20

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NUMBER	STATION	NUMBER					CO 25/11/4K3 (01 10)				 SECURE MILE
MODULE NUMBER	ASSIGNMENT	NUMBER	21	22	23	24	C 25014	26	27	28	30
		100									

ONLY ETE-16D-() MULTILINE TERMINALS CAN BE ASSIGNED THIS FEATURE. 30 TERMINALS MAXIMUM, 10 PER CCU. NOTE:

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EXXX OF XXXX)

EXALERSION ULTUBER

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LOB WEWORA BFOCK? 1C-2'-2'-3 & -9
108 25ECIETOM276M IM2180CLIOM2

### JOB SPECIFICATION INSTRUCTIONS FOR MEMORY BLOCKS 1C-5, -6, -7 & -8

DESCRIPTION

ASSOCIATED ATTENDANT STATION

ITEM

COLUMN

ZOS 301 DEVICE NUMBER

ENTRY

ASSOCIATED ATTENDANT BEING ASSIGNED

EXTENSION NUMBER (XXX OR XXXX)

ASSIGNMENT OF EDE-30-1 UNIT AS A CO ADD-ON MODULE

EDE-30-1 UNIT DEVICE NUMBER (1~6)

ASSIGNMENT OF LINE KEYS

ASSOCIATED ATTENDANT STATION

RDE-SO L DEVICE NUMBER

COLUMN

ROW

CO TRUNKS (01~40)

RINGING ASSIGNMENT

ENTER:
DAY RING (D)
NIGHT RING (N)
BOTH RING (B)

LEAVE BLANK FOR NORING DAY DELAYED (DL) NIGHT DELAYED (NL)

BOTH DELAYED (BL)
DAY RING & NIGHT DELAYED (RL)
DAY DELAYED & NIGHT RING (LR)

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### JOB SPECIFICATION INSTRUCTIONS

N.	ENTRY	EXTENSION NUMBER (100 ~ 899 or 1000~8999)	✓ IF ASSIGNED; LEAVE BLANK IF NOT ASSIGNED.	✓ IF ASSIGNED; LEAVE BLANK IF NOT ASSIGNED.	V IF DTR SIGNAL IS TO BE CONSIDERED VALID; LEAVE BLANK IF IT WILL BE CONSIDERED INVALID.	✓ IF ALLOW; LEAVE BLANK IF PROHIBITED.	V IF INCOMING CALL IS TO BE REJECTED AND THE MODEM POOL ACTIVATED; LEAVE BLANK IF THE INCOMING INTERNAL DATA CALL IS TO BE ACCEPED.  IF PROVIDED; I EAVE BLANK IF PROVIDED.
DATA SERVICE ASSIGNMENT	DESCRIPTION	(1) STATION WITH DATA SERVICE.	2) AUTOMATIC ANSWER FOR DATA CALLS.	3 AUTOMATIC RELEASE FOR DATA CALLS.	© DTR SIGNAL VALIDITY.	5) INCOMING INTERNAL DATA CALLS DURING CO CONVERSATION.	6) DEPRESSION OF DR KEY DURING CO CONVERSATION, WHILE RECEIVING AN INCOMING INTERNAL DATA CALL.  7) LCD INDICATION FOR DATA CALLS.
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## MEMORY BLOCK 1D-2 DATA SERVICE ASSIGNMENT

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### JOB SPECIFICATION INSTRUCTIONS

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PROGRAMMING TELEPHONE  INCOMING PRIME LINE PICKUP IN THE SYSTEM  CO#AND/OR * AS FIRST DIGIT  SMDRINCOMING REPORT  ALLOW PRIME LINE PICKUP IN THE SYSTEM  VTO ALLOW  ALLOW PRIME LINE PICKUP IN THE SYSTEM  VTO ALLOW  ALLOW  PROVIDE * AS 1st. DIGIT FOR CO DIALING  VTO ALLOW  VTO	VTO ALLOW	-ALLOWS KEYBOARD DIALING (FROM COMPUTER TERMINAL.)		ALLOW FORWARD OVERRIDE	
PROGRAMMING TELEPHONE  INCOMING PRIME LINE PROGRAMMING STATION  CO # AND / OR * AS FIRST DIGIT  SMOR INCOMING REPORT  ALLOW PRIME LINE PICKUP IN THE SYSTEM  SMOR INCOMING REPORT  ALLOW PRIME LINE PICKUP IN THE SYSTEM  V TO ALLOW  ALLOW  ACCOUNT CODE DIGITS (1~14)  ACCOUNT CODE DIGITS (1~14)  CO # AND / OR * AS FIRST DIGIT  CO # AND / OR * AS FIRST DIGIT  CO # AND / OR * AS FIRST DIGIT  CO # AND / OR * AS FIRST DIGIT  CO # AND / OR * AS FIRST DIGIT  ACCOUNT CODE DIGITS (1~14)  CO # AND / OR * AS FIRST DIGIT DIGIT	° 1 ~ 14 (DIGITS)	ASSIGNS PBX OUTGOING CODE STREAM	-11	EX OUTGOING CODE	
PROGRAMMING TELEPHONE INCOMING PRIME LINE PROGRAMMING STATION SMDRINCOMING REPORT  SMDRINCOMING REPORT  ALSOW PRIME LINE PICKUP IN THE SYSTEM  SMDRINCOMING REPORT  ALSOW PROVIDE * AS 1st. DIGIT FOR CO DIALING  A TO ALLOW  PROVIDE * AS 1st. DIGIT FOR CO DIALING  A TO ALLOW  ALLINE PROVIDE * AS 1st. DIGIT FOR CO DIALING  A TO ALLOW  ALLINE PROVIDE * AS 1st. DIGIT FOR CO DIALING  A TO ALLOW  ALLINE PROVIDE * AS 1st. DIGIT FOR CO DIALING  A TO ALLOW	VTOALLOW	TO INCLUDE ALL STATIONS FOR INTERNAL PAGE	-	ACCOUNT CODE DIGITS (1~14)	
PROGRAMMING TELEPHONE ASSIGNING THIRD PROGRAMMING STATION EXTENSION (100 ~899 or CO # AND/OR * AS FIRST DIGIT PROVIDE * AS 1st. DIGIT FOR CO DIALING * A TO ALLOW PROVIDE * AS 1st. DIGIT FOR CO DIALING * A TO ALLOW PROVIDE * AS 1st. DIGIT FOR CO DIALING * A STATION * A S	WOLLD WILL	- RECORDING OF INCOMING CO INFORMATION		ALL INTERNAL CALL	1
PROGRAMMING TELEPHONE ASSIGNING THIRD PROGRAMMING STATION EXTENSION (100~899 or CO#AND/OR "AS FIRST DIGIT PROVIDE # AS 1.21 PICKUP IN THE SYSTEM VTO ALLOW	SEV TO ALLOW	PROVIDE * AS 1st DIGIT FOR CO DIALING	•	SMDR INCOMING REPORT	
PROGRAMMING TELEPHONE ASSIGNING THIRD PROGRAMMING STATION EXTENSION (100 ~899 or	V TO ALLOW	- PROVIDE # AS 1st DICIT BOD OF DIAL SYSTEM	1	O# AND/OR * AS FIRST DIGIT	
PROGRAMMING TELEPHONE A COLONIANO MILLON		ALL OW DRIME I'ME DIOVITE IN MINE COLOR		NCOMING PRIME LINE PICKUP	
	(100 ~899 or	- ASSIGNING THIRD PROGRAMMING STATION		PROGRAMMING TELEPHONE	

# MEMORY BLOCKS 2A-1,-4,-5,-6,-7,-8,-9, 2B-1,-2, -5, -6, -9, 2C-1,-2,-3,-4 AND 3B-3,-4 &-9 SYSTEM GROUPS

2A-4	INCOMING PRIME LINE PICKUP	EPHONE NE PICKUI	-	П		2C-4 VOIC	VOICE MAIL HUNT GROUP ASSIGNMENT	IUNT		2A-8 2A-9	ACCOUNT CODE DIGITS (1~14) PBX OUTGOING CODE	DE DIGIT	5 (1~14)		
2A-5	CO * AS FIRST DIGIT		+	T		EXTENSION #				28-1	KEYBOARD DIALING (MODEM)	ALING (N	(ODEM)		
2A-6	SMDR INCOMING REPORT	PORT						63		28-5	LCR 1 + DIALING	NG NA	NAIDE		
2A-7	ALL INTERNAL CALL						ACCE	(ACCESS CODE)		2B-6	LCR LOCAL CALL OVERRIDE	LL OVER	RIDE		
							Q.N.	(IN DEFAULT)		38-3	FORCED ACCT. CODE DIGITS (1~13)	CODED	IGITS (1~1	3)	
		2C-1	20.2	2C-3	38-9				- 1	384	SLI PORT WITH KAA	HRAA			1
TRUNK	TELEPHONE NUMBER	GROUP (1~8)		CODE # (1~8)			28-9		TRUNK			TRUNK	TENANT	ITEM	POOLED LINE
						TRUNK	VCCCC	2	NUMBER	-	TELEPHONE NUMBER	(1~8)	(1~3)	(1~8)	(1~8)
2						GROUP	CODE	BYPASS	21						
3						-	6		22						
4						2	8		23						
-					I	3	7.0		24						
0						4	71		25		8~301)	89 OR	1000 -	(669)	
9	III OHLES		100		044	2	72								
7						9	73		26						
00						7	74		27						
6						00	75		28						
10						Č	necessity table	2.00.2	29						
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12						TEM	NUN	NUMBER	31						
13				T MAIN	N COPPUS	NUMBER	DEFAULT	NEW CODE	32						
14	PL DIVISO   SANS	in the	AM	AUMIX	BMUN		6	0 6	33	255	01 - 33	14,55	Sa No	SESTR	3
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0 7						4	17		36						
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MEMORA BLOCKS SV-1'-4'-2'-6'-1'-8'-6' 58-1'-5'-2'-6' 300-2861'-5'-3'-1 74D 38-3'-1 8'-8 2A ZLEW CHORDS

ACICE WATE HEAL.

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SWY CONNECTED DELCAR
SWY HOOMING SHINE DECAR
SWY HOOMING SHINE DECAR
SWY HOOMING SHINE DECAR

300 288

# MEMORY BLOCK 2A-10 TIE LINE DIGIT RESTRICTION ASSIGNMENT

STATON		NUMBER OF DIGITS			NUMBER OF DIGITS			NUMBER OF DIGITS			NUMBER OF DIGITS	
Will   AGIC   22   24   Value   24   Wilder   24   Wilder   24   Wilder   25   Wilder   24   Wilder   25   Wilde		THAT CAN BE DIALED	STATION		- 8	STATION	A Mil SKIT	THAT CAN BE DIALED	STATION	1.6	2.5	STATION
No.   A.   C.   22   A.   V.   A.   C.   22   A.   V.   A.   A.   C.   22   A.   V.   A.   A.   C.   A.   A.   A.   A.   A		1.18.34	2	2	DIAL		41			61		
24	2		I	22			0			62		
24	n		TRE	23				and the	0.9900	63		
25   26   27   28   27   28   27   28   28   29   29   29   29   29   29	4			24		-		8 1577168	reparen	64	9 PA 3 1300 PP 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
27   10   10   10   10   10   10   10   1	5		V	25			45			65		
27   28   29   29   29   29   29   29   29	9			26			-07			99		
ERK   VER OCTVALED   1 30   EMERON   1   29   EMERON   1   29   EMERON   1   29   EMERON   1   29   EMERON   1   29   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   1   20   EMERON   20   EMER	7			27		( (	8.	ésu.	Modelm	- 67	1000-	
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31	10		OCIVIED	30	AMU	(%)	50	Insmessnon		70		
	11			31	1001	)	51	.0.		71		
33   34   24   24   27   27   27   27   27   2	12		Drug.	32			52		कर्त (कर्वज	10 -72		
35   36   37   37   37   37   37   37   37	13			33		D	53	300	7.56.051	73	per or	
1   2   3   3   3   4   4   4   4   4   4   4	14			34			54			74		
1   2   36   36   37   37   37   37   37   37							55	(000)	22	75		
1	16		(%)	Ш	5)	0	95	arou or proces	ninger	76	Humber or H	edmuM ini
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Detrocted Sp 19 60 60 60	18		DWA. GTROSE	38	VINOCINCE		58			78		
40	19	STIBLE CHILDS	EXTENSIO	39		Ð	59		5	79		
	20			40			09			80		

WEWORK BLOCKESB-3: 41-1: 8 YND SC-2 DILIVINY WODEW BOOF VID 21.1.10 AMEY 221 CHWENTE TOB SPECIFICALISM SWALKING LONG FOR

MEMORY BLOCKS 28-3, -4, -7, -8 AND 2C-5 DIT/ANA, MODEM POOL AND SLT TO VMI ASSIGNMENTS

ENTRY	1 ~ 3 × 0	Extension Number or Hunt Number (100~899 or 1000 ~ 8999)	Extension Number or Hunt Number	100-023 OF 1000 - 0233	No dinow	Extension Number (100~899 or 1000~8999)	Extension Number (100~899 or 1000~899)	For each VMI, extension number (100~899 or 1000~8999).	To select equipment type connected to each VMI extension (voice mail equipment, or single line telephone).
DESCRIPTION	(1) Assigns a tenant to the DIT/ANA trunk.	(2) The extension or hunt number that the DIT (day mode) is assigned to.	(3) The extension or hunt number		Assignment.	SLT extension associated with a modem for use with the Modem Pool.	Multiline Terminal's extension number associated with a modem for use in the Modem Pool.	wriver (7) VMI extension number. survers strick	8 9 Voice Mail/SLT assignment.
2C5	38 DELAY ANNOUNCE	9	7 Sec. 200	ASSOCIATED	EXTENSION #	9 23	SS AIMO	DIAL (9) (10)	W. S. S. S. S. S. S. S. S. S. S. S. S. S.
283 284	EXTENSION EXTENSION NUMBER DAY NIGHT MODE MODE		N. CTOTA	II BM	ASSOCIATED SLT EXTENSION #	(5)	2B8 VMI VOICE	TENSION UMBER (7)	TO TO THE PARTY OF
	TRUNK TRUNK TO NUMBER TENANT	2 (1)	7	287	MODEM	1 2 2		EX.	The second secon

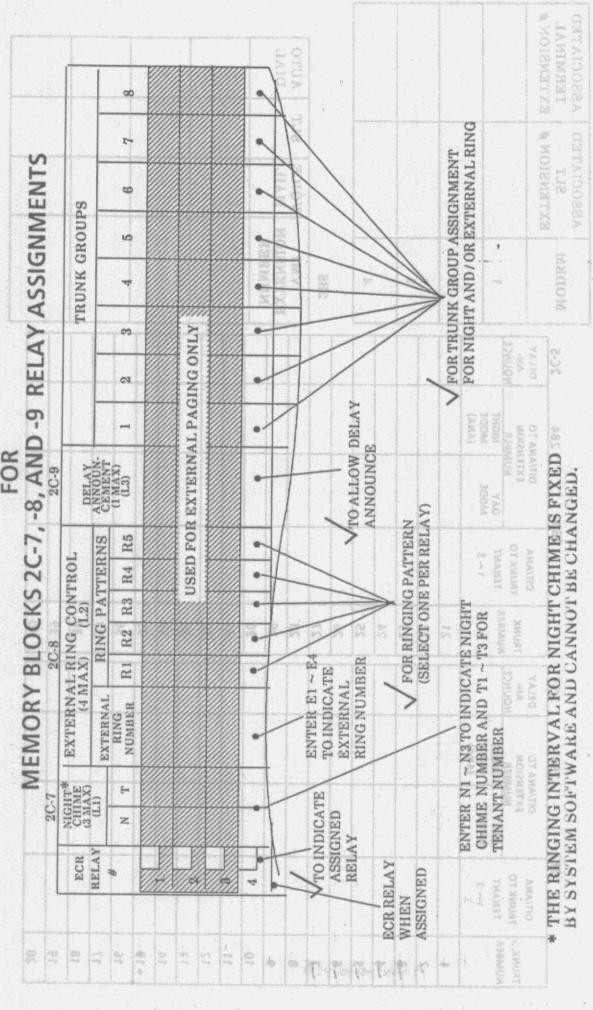
Memory Block 28-10 is located on page 102. NOTE:

300 - 288

# MEMORY BLOCKS 2B-3, -4, -7, -8 AND 2C-5 DIT/ANA, MODEM POOL AND SLT TO VMI ASSIGNMENTS

										.07			
	BY SYS	PARLEM ROLE	284	F WWD C	VVVV	CHECHY	2839 KIXKD 284	284	2C-5	МОВЕМ	ASSOCIATED SLT		ASSOCIATED TERMINAL
TRUNK	DIT/ANA TRUNK TO	DIT/A EXTEI	DIT/ANA TO EXTENSION NIIMBER	DELAY AN-	TRUNK	DIT/ANA TRUNK TO	DIT/A EXTE NIII	DIT/ANA TO EXTENSION NUMBER	DELAY AN- NOUNCE		EATENSION#		EAI ENSION #
NUMBER	TENANT 1~3	DAY	MODE		NUMBER 53 EOE	TENANT 1~3	DAY	MODE					<i>a</i>
-		RMLEK M	(ANA)	INDICA.	21			(ANA)	DIVIDA ROB TRO	HE VARDA OB MK CI <b>2</b> OTE V	SKARBINYI BIN BEIOMMEKAL		
2	PORTURED			89	22 0	IR SEKEEL	(1)			<b>*</b>			
3	MEEK			A sq	23	RGTATTER				3			
4	NOW BEST VA				24								
2	- American		DMISS /	ALMERICA	25		KANGINK	Sectionary 2	1	4			
9		SHEMRED	/ BXTE	JAME	26				7				
7	Dy40	MDICYLE,	21 PLA	STATE OF STA	72					2B8			
00					28			7		VMI		SLT	AUTO
6	4	-			29					EXTENSION	N MAIL		DIAL
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16		T I	REME		36	601 601 600	(0.3)	in .			25	13	
17	HELL		EXTER!	5.	/37	LLEKKRE	2015.04						
18	BCB	CHIPER	0.002.00	A MAKE	38	44 17017	118.1 V.A.			LBRAK OKON	ce G		
19		SO T			8 39		XC:0						
20			MEMOKA	SKA R	40	2 SC-1,	MA .8-	23 (P-C)	FIG	L V 2 2 I G M IN EM LA	N L N L N		

10B 2bECIEICY300/289 IM21BACLIONZ



WEWORK BLOCK2 58-3'-4'-1'-8 VMD 5C-2, DILIVINY' WODEM BOOF VMD 2F1 10 AMI V22ICAMEMIZ

## MEMORY BLOCKS 2C-7, -8, AND -9 RELAY ASSIGNMENTS

# N T NUMBER	(1000)								
	RING PATTER	NS CEMENT (1 MAX) (1.3)	1 2	8	4	10	9	7	00
	USEDI	USED FOR EXTERNAL PAGING ONLY	PAGING	ONLY					
55									
7	ATKING ILAVING AR	PE NAME OF STREET				13 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14		9 1	
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DESCRIBATOM

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MEMOBA BFOCK SC-10 AIBINAT EXLEMZION VZZICHWEMI 108 SPECIFICATIONS STRUCTIONS FOR

### MEMORY BLOCK 2C-10 VIRTUAL EXTENSION ASSIGNMENT JOB SPECIFICATION INSTRUCTIONS FOR

ITEN

#### DESCRIPTION

ENTRY

VUMBER	TUMBER
ENSION 1- 8999)	ON (PE) NED ~ 8999)
18 OR 1000	PRIMARY EXTENSION (PE) NUMBER OF STATION ASSIGNED (100 ~ 899 OR 1000 ~ 8999)
(100 ~ 8	PRIMARY EXT OF STATION A (100 ~ 899 OR
	S S S
N N N N N N N N N N N N N N N N N N N	A GERA
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UAL EXT	HAVING APPEARANCES ARTICULAR VIRTUAL  N.  FRED BO FELLESS F EVELIGOUTA  BY HE CHANGE  ENTREME  CHANGE
DEFAULT VIRTUAL EXTENSION NUMBER MAOJ BE CHINEW VIRTUAL EXTENSION NUMBER ASSIGNMENTS. ANY UNASSIGNED EXTENSION L. CHINE (100 ~ 899 OR 1000 ~ 8999) NUMBER CAN BE USED TO REPALACE THE DEFAULT VALUE.	STATIONS OOR THE P IXTENSIO BIT BS WWX.
	SONS EE MB1A, E IMENT)
STATIONS ASSIGNED (SEE MB1A, LK ASSIGNMENT)	STATIONS ASSIGNED (SEE MB1A, LK ASSIGNMENT)
VE # Assigned 200	_ 5 8 _ 5 A
\$ 6 Notes	1 8 VE

NOTE: 48 VIRTUAL EXTENSIONS ARE AVAILABLE.

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## MEMORY BLOCK 2C-10 VIRTUAL EXTENSION ASSIGNMENT

	VE #	ASSIGNED		200		201	1	202		203		204		205		206		207	1	208		209		210		211	1
	STATIONS ASSIGNED (SEE MB1A, LK ASSIGNMENT)						CONTROL OF THE PROPERTY.	CONTRACTOR OF STATE O		SHOWING COUNTY BEING	CONTRACTOR VIEW AND WARD	CONTROL PAIN CURPING	Williams Charles and Contraction		OVER SKRKRERGYTT	CLY DESCRIPTO (DESCRIPTO CL)	ATRICK DESCRIP, MOR					BOS BYCH EB	THE TIMES		Á	MARTINESSALL IN	SACENCO A DE
	VE			;	2		14	100	15		16		17	10	2		19	5	2	č	7	S	77	- 1	53	ζ	24
	VE #	DEFAULT	ASSIGNED	212		213		214	ATOB:	215		216	OMEN	217		218		219		220		221	IRRD	222		223	- Party
100 700	STATIONS ASSIGNED (SEE MB1A,	( Manual Property )					7 7 7 1	Total Total								Market A. Million Control of the Con					27.17	125.43	V 5 5 17			C-10 N. T. 15	2000
L					25	L	26	1	27	1	28	Ц	29	6	20	4	31		32		33	E S	34		32		36
	% # 3A	DEFAULT	ASSIGNED	224		225		226	Z	227	1	228		229		230		231		232	dr. A. Con	233	AHT T	234		235	The sale of the
	STATIONS ASSIGNED (SEE MB1A,	LA ASSIGNMENT)									1							E STATE OF THE STA			OF ALREST TRY THE	TIE JO VEISINE	LISMOPTILPED			THAT DWY	condition of the condition of the
	VE				37	I	38	L	39	L	40	L	41		45		43	20	44		45		46		47		48
	VE #	DEFAULT	ASSIGNED	236		237		238		239		240		241		242		243		244		245		246		247	
	STATIONS ASSIGNED (SEE MB1A,	LK ASSIGNMENT)																								1 1 W 1 1 W 1 1 W 1 W 1 W 1 W 1 W 1 W 1	The state of the s

. TOB SEECESCAT 300-293 FELENCHOME

والمناء والمالية	32 53%	32.53%		
	THE TIMING REQUIRED FOR EACH FEATURE	THE COUNT THAT IS MULTIPLIED BY THE BASE VALUE TO ARRIVE AT THE TIME VALUE OF EACH FEATURE		action of the second se
		Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep.		
503	2	733	1	73
	TIMER DESCRIPTION START TIME (SMDR, ELAPSED CALL TIMER) CALL PARK RECALL	COUNT		
	DSS/BLP (ATT.) CAMP-ON/TRANS. ŘECALL RECALL (CAMP-ON/TRANS. & NON EX.HOLD)		ri materiari Prompapitan propieta	060 ~
2D-1				eminantie manatamantie manatamantie materia. 25 E. C. C. C. C. C. C. C. C. C. C. C. C. C.
and solve	EXCLUSIVE HOLD RECALL 542 990			
/	EXTERNAL PAGE ACCESS DURATION 990 INTERNAL PAGE ACCESS DURATION 990 SAME VALID CALL STATES	23.6	00000	
	218	255 V		ele alexa alexa alexa e terre l'archere e el coloreste.  Est tempe de esta el control de esta el control de el coloreste e
200				236
D 25 25 25 25 25 25 25 25 25 25 25 25 25	TK V221CMWEML AL V221CMWEML) V221CMED (2EE WB1V) V221CMED (2EE WB1V) AL 4. STALIOM?	A 24200018	EX VZZYCWEWTY)  TR VZZYCWEWTY  TR VZ	AE * SERVICE (SEE WEIVE AE * SEE WEI

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MEMORA BLOCK SC-10 AIBINDY EXLENSION V22ICHWEML

# MEMORY BLOCKS 2D-1, -2 & -3 SYSTEM TIME BASE ASSIGNMENTS

TI	NOTE: BASE x COUNT = VALUE		DEF	DEFAULT	KA RA RA	VALUE		
	TIMER DESCRIPTION	BASE	BASE COUNT	VALUE	MIN	MIN. MAX.	NEW VALUE	NEW
	START TIME (SMDR, ELAPSED CALL TIMER)	10	2	20	10	70		
	CALL PARK RECALL	10	18	180	20	066		
	DSS/BLF (ATT.)CAMP-ON / TRANS. RECALL	10	22	20	10	066		
	RECALL (CAMP-ON / TRANS. & NON-EX. HOLD)	10	2	50	10	066		
	CANCEL AUTO CALLBACK	10	2	20	10	066		
	CALL FORWARD NO ANSWER	10	2	20	10	990		
	EXCLUSIVE HOLD RECALL	10	9	09	10	066		
2D-1	EXTERNAL PAGE ACCESS DURATION	10	30	300	10	066		
	INTERNAL PAGE ACCESS DURATION	10	9	09	10	066		
	SMDR VALID CALL TIMER	10	4	40	10	066		
	MODEM RESERVE TIMER	10	09	009	10	066		
900	DELAY ANNOUNCEMENT END	10	09	009	10	066		
	CONFERENCE PARK RECALL	10	30	300	10	066		
	MFR TIME OUT	1	10	10	Lagra	66	Ö	N9 30
	TALK START TIMER	1	18	18	1	66		
9.U.9	DELAY ANNOUNCEMENT STARTER WENT	-	20	20	1	66		
1	VOICE MAIL DIAL START		2	2	1	66		
	CO DELAYED RING	1	10	10	1	66		
	EXTENSION DELAYED RING	1	10ec	515.10	7 1	66		ALEBA
		SEC.		SEC.	SEC.	SEC.	SEC.	

TOB 25ECIEIC3001298W IM21KINCLIOM2

MIN. MIN. MIN.

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2D-3 AUTOMATIC DISCONNECT TIMER

10 MIN.

3D-2 VOLOWYLICD MEMORY BLOCK 2E-1 SYSTEM ACCESS CODES FOR

				SEC.		532	SEC	i N	Ų,	
The second secon	EXTENSION DITTEMD BIL	2			DESC	DESCRIPTION	z	10	EN	ENTRY
	CO DELAYED KING			***	10	30		100		
	ADICE MAIL DIVI 21VKL				,,	50		99		
2D-2	PEATURE YMMONMCEWEM	ITEM CODE	ULT NEW		20	25		99		
BGM OVE	BGM OVER STATION SPEAKER	3 49	00000		-NEW FEATURE	ATURE	Arganisa da sa		ANY	ANY UNUSED
CALL FWE	CALL FWD, ALL/ORIGINATOR			-	ACCESS	ACCESS CODE DESIRED	SIRED	70	COD	CODE PATTERN
CALL FWE	CALL FWD, ALL/TARGET			909			0	0.870		e de la companion de la compan
CALL FWE	CALL FWD. ALL/ATTENDANT			2	66	000	30	999		
	MODEW BEZERAE LIWES			0,	68	600	97	990		
	SWDB ANTID CATT LINES			2	*	40	20	990		
AL-MILE	IMLESMAT SAGE VCCE22	MOITARUG		07	9	03	2	988		
2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	EXLEBITOR BY OF VCCE22 DANKLIOM	DURATION		2	30	300	2	990		
5		addition to go control and the		9	ō	03	2	990		
	CALL FORWARD NO VH2	2ME8		0,	V9	20	2	990		
	CANCEL AUTO CALLBACK			0.7	1	2				
	RECYLL (CVMb-OM) LBVM2'8	72.8 MOM-	MOM-EX HOLD	0,	r).	50	07			
*	D22/BTL (VLL)CVWb-OM	LIBYME BECYTT	ECVIT	0.	61	30	0,	069		
() () () () () ()	Line			9	00	180	20	990		
6 V.4	START TIME (SMDR, ELA	192ED CVIT	CVIT LIWES)	0.7	m	20	-	S.		
	LIMEB DESCRIPTION		And the state of t	141 2> 30	COUNT	VALUE	Z	MIN MAX	NATOE O	1
10%	MOIE BYREX CONM. = AV	AC 5			DEAUL		AX	RAINGE		and response and a second seco

BYZE VZZICHMENIZ MEMORA BLOCK2 SD-1'-58'-3 300 226EM LIME

## MEMORY BLOCK 2E-1 SYSTEM ACCESS CODES

FEATURE	ITEM	DEFAULT	NEW	FEA
BGM OVER STATION SPEAKER	3	49		CALL BACK R
CALL FWD. ALL/ORIGINATOR	4	41		TONE/ATTENI
CALL FWD. ALL/DESTINATION	2	47		UNIFORM DIA
CALL FWD. ALL/ATTENDANT	9	44		UNIFORM DIA
CALL FWD. BUSY NO ANS/ORIGINATOR	7	42		UNIFORM DIA
CALL FWD. BUSY NO ANS/DESTINATION	80	48		UNIFORM DIA
CALL FWD. BUSY NO ANS/ATTENDANT	6	45		UNIFORM DIA
CALL PARK	13	4*		UNIFORM DIA
CALL PICKUP/DIRECTED	14	#9		UNIFORM DIA
CALL PICKUP/GROUP	15	*9		UNIFORM DIA
EXTERNAL HOLD SLT SET/RETRIEVE	17	4#		UNIFORM DIA
INTERNAL PAGE	23	55		UNIFORM DIA
EXTÉRNAL PAGE	24	. 56		UNIFORM DIA
NIGHT CALL PICKUP	26	09		UNIFORM DIA
NIGHT MODE	27	89		UNIFORM DIA
STATION SPEED DIAL - SLT PROGRAM	29	58		UNIFORM DIA
STATION LOCKOUT	30	61		UNIFORM DIA
STATION LOCKOUT CANCEL/ATTENDANT	31	62		UNIFORM DIA
SPECIAL CODE PROGRAM	32	59		UNIFORM DIA
TRUNK AND MFR SELECT/TEST	34	67		UNIFORM DIA
TRUNK AND MFR BUSYOUT/RESTORE	35	57	Dist.	UNIFORM DIA
EXTENSION NUMBER	36			UNIFORM DIA
EXTENSION NUMBER	37	2		VOICE MAIL H
EXTENSION NUMBER	38	3		VOICE MAIL N
TRUNK ACCESS CODE 2	39	œ		COPRIMETIN
TRUNK ACCESS CODE 3	40	70		ACCOUNT CO
TRUNK ACCESS CODE 4	41	71		
TRUNK ACCESS CODE 5	42	72 0		<b>エコンく</b> フーム
TRUNK ACCESS CODE 6	43	73		×
TRUNK ACCESS CODE 7	44	74		
TRUNK ACCESS CODE 8	45	75		WICH MOLE
ALITOMATIC CALL RACK/TRIINK OLIFILE	AE	++		

FEATURE	ITEM	CODE	CODE
CALL BACK REQUEST MESSAGE	47	#1	
TONE/ATTENDANT OVERRIDE	20	0,1	
UNIFORM DIAL	09	NONE	
UNIFORM DIAL	61	NONE	
UNIFORM DIAL	62	NONE	
UNIFORM DIAL	63	NONE	
UNIFORM DIAL	64	NONE	
UNIFORM DIAL	65	NONE	
UNIFORM DIAL	99	NONE	
UNIFORM DIAL	29	NONE	
UNIFORM DIAL	89	NONE	
UNIFORM DIAL	69	NONE	
UNIFORM DIAL	70	NONE	
UNIFORM DIAL	71	NONE	
UNIFORM DIAL	72	NONE	
UNIFORM DIAL	73	NONE	
UNIFORM DIAL	74	NONE	
UNIFORM DIAL	75	NONE	
UNIFORM DIAL DESERT	9/	NONE	
UNIFORM DIAL	11	NONE	
UNIFORM DIAL	78	NONE	
UNIFORM DIAL	79	NONE	
VOICE MAIL HUNT	06	163	
VOICE MAIL MESSAGE WAITING	91	154	
HOOKFLASH TO CO FOR SLTs	92	NONE	
CO PRIME LINE RELEASE FOR SLTs	93	NONE	
ACCOUNT CODE - FORCED/VERIFIED	94	NONE	

VCCEZZ CODE 2 MEM		CK 2E-1	BLOCK 2E-1 SYSTEM ACCESS CODES	S	
SOUTH VICER CODE 4	2 C C C C C C C C C C C C C C C C C C C		VCCORMI CODE - LONCEOUVEBINED	34	HOME
3 ITEM	35 25		DESCRIPTION	ENTRY	OVE SK
			AGICE WAIT WEZZYGE AND THIC	70	
X LEMINON MONDER			ADICE INVIT HIMI	000	200
X LEWENDY MITMORE		1	147.780		MONE
THE VIOLEN FEATORE THE TOBE	ITEM CODE	DE CODE	TMI OWN DIX		OX.
S 3 8	3 49	•	NEW FEATURE	ANY UNUSED	NUSED
CALL FWD. ALL/ORIGINATOR			ACCESS CODE DESIRED	CODE	CODEFAITERIN
	) t		TAIC MACHINE		Z OX
85		7	DMICORM CIAL		MOME
			TAIL DEFOUND		NONE
S HCK (18			THE OWN OWN		HOME
			SMLOSMIDIVE		MOME
\$ 30A			TAILOSM DIVI		MOME
EXTERMYL HOLD STI ZEANELBIEAE	3.0		TMLOSW DIVI		
37080038			TAICEN DIAL		140
SADIMECTED 1			OMEDIAN DIME		MUNICE :
			TAIL OWN DIVI	Or All	NOSE
CALL EMD. BRZA HO VMPIVILEHOVRI.			RAILOUM DIVE		NOME
BUZY MO KWRDEZ LINVLON			PAIL DEM DIVI		MOME
SAND BRIZA HO VIKZIOBICHIVIZOB	100		DMILOSW DIVE	In the second	MOME
W.C. ALUA TERDANT		The second secon	TAKE DIVIN		MOM
- VIII -			OMEOBW DIVE		NOME
			TOMENATIENDAMI OVERRIDE	2	
AW DAFE ZIY	03		CALL BYCK BEGINEZ LIMERZYCE		***
Marie and American State of the Control of the Cont	LEW COOF	1000	164 200 100 100 100 100 100 100 100 100 100	3	CODE   CODE

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## MEMORY BLOCK 2E-1 SYSTEM ACCESS CODES

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- I D-2 ... \* AND SPACE

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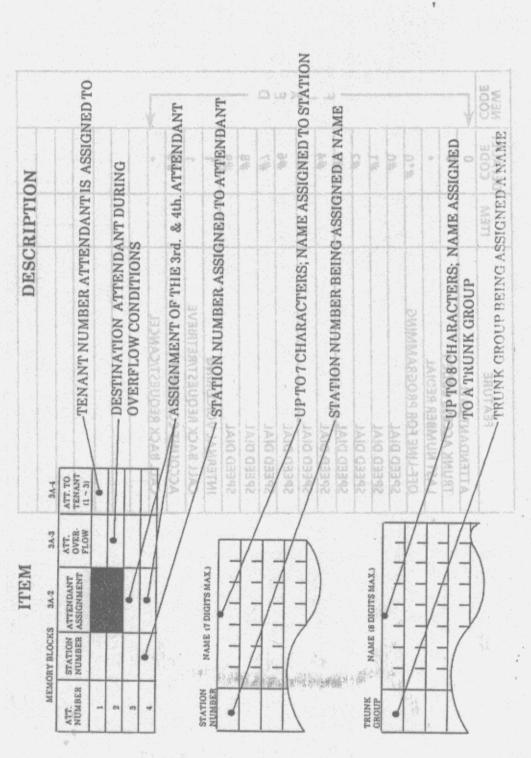
LOS V221CMED

WEWORK BLOCK2 3V-5'-4' WIND 3C-1'-5

BHIBA

TOB SECIE 300-299 OM INSTERNETIONS

## JOB SPECIFICATION INSTRUCTIONS FOR MEMORY BLOCKS 3A-2, -3, -4, AND 3C-1, -2



A~Z,0~9,.,\*, # AND SPACE

100 ~ 899 or 1000 ~ 8999

100 ~ 899 or 1000 ~ 8999

V FOR ASSIGNED

ENTRY

1~3

 $1 \sim 4$ 

300 - 300

A~Z,0~9,.,\*, # AND SPACE

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MEMOBA BLOCK SE-1 SAZLEM VCCE22 CODE2

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AC 2V20 IO VOOL	TON DECENS SA-
AC 2V20 IO VOOL	TON DECENS SA-
AC 2V20 IO VOOL	TON DECENS SA-
AC 2V20 IO VOOL	TON DECENS SA-
NC SYLVE SA	TON DECENS SA-

		MEMORY BLOCKS 3A-2	3A-3 3A-		356 - 363 ME	MEMORY BLOCK 3C-2	- 8	
30 -44	ATT. NUMBER	STATION ATTENDANT NUMBER ASSIGNMENT	ATT. ATT. TO OVER. TENANT FLOW (1 - 9)	O. L.			0) 9	
# E = E	C C C C			NUMBI VSSICH	NUMBERS TO HUME CE	HOME CROOLS	v) 0	100-299 of 1000-8
MEMORY BLOCK 3C-1	TTS MAX.)	STATION	NAME († DIGITS MAX.)	,	STATION NA	NAME († DIOPSMAX)	ř 0	STATION NAME OF DIGITISMAN
		Vacamon		AND BEAL	9 8	WED DESTRAIN	, Ka	100-850 of 1000-1850
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CHI Lamb				THE TOTAL	AL DEPOS	1 1 1 1 9		
Londo				WD 88A	HIMEE	Prop. sypayargs		100-889 01 1000-81
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								OR UNE BUX BUS TO
	-			CRMINS	CX RIMO			031
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		O MET		mal part	5	TIME REAL		-
	MENIO	ORA BIT DIG		7	50 50	SEMPE	20	
				XC1				

and the control of th

			Ξ	ITEM	AND ST	Street Street of	ATION HU	UNTING ASSIGNMENT DESCRIPTION	ENTRY
TRI	TRUNK	3B-1			TRUNK	3B-2 CENTREX			
GR	GROUP	PATTERN			GROUP	RING		- FIDOM DINO DAMEDN	TRAVERIANK FOR 9 CEC ON
	2	-			2			FIRST MING FALLERN	4 SEC. OFF
F	2 3		-		3			CENTREX RING	-0R.
	2				2				Cut y Country
	9				5 7		I		ON 5 SEC OFF. (1HZ RING)
	80	oden i i i i i	П	ш	00				
	HUNT	1 2		3 4	5	6 7 8		ASSIGN HUNT PILOT NUMBER	100~899 or 1000~8999
38-5	PILOT						1	TO HUNT GROUP	
38-7	HUNT					Lander C		ASSIGNS HUNT SEARCH	LINEAR (L)
38-8	GROUP						/	Metallo to to to to to to to to to to to to to	O area of the control
-								-ASSIGNS FORWARD DESTINATION	V 100~899 or 1000~8999
1	= =	3						NUMBERS TO HUNT GROUP	STANDARD STA
0	Z (	2 2							
3B-6	Σ	7							
	_	0 6						- ASSIGNS HUNT GROUP	100~899 or 1000~8999
	Z =	10						NUMBERS TO HUNT GROUP	
		12							
		13	3	Mary Par		E CARCE	100		
		15	100	0.6.101				SOC MOOLEY ROLLING	
		16						300 - 302	and the second s

200 - 304

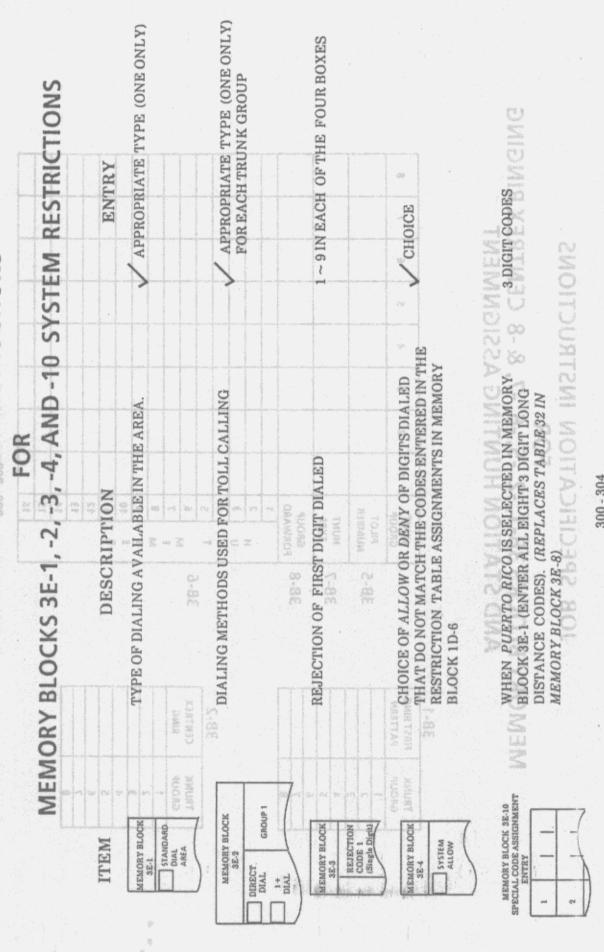
## JOB SPECIFICATION INSTRUCTIONS

REVICE CODEST GRENTYCES I FORTM

MEMORY BLOCKS 3B-1, -2, -5, -6, -7, & -8 CENTREX RINGING AND STATION HUNTING ASSIGNMENT

3B-5 NUMBER  3B-7 IVPE DIVITED  3B-8 GROUP  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-2 IVPE DIVITED  3B-3 IVPE DIVITED  3B-4 IVPE DIVITED  3B-5 IVPE DIVITED  3B-6 IVPE DIVITED  3B-7 IV	TRUNK	FIRST RING PATTERN	OICE OF AL	HUNT	E NO	E GRECTESDE	3	4	'n	್ರಿ	oiçe	00	
TAN TEST MATERIAL TOTAL OF THE STATE OF THE	1 2 2 2		38-5	PILOT									
MATHEY WE CALLING WEELENGE CHARLES	2 4 0	200		HUNT	RITED					100		THT TO	NOUN
SOUT SYLY OF STANDS BRANCH SEMENTS IN ATTEMPT STANDS BRANCH STANDS BRANC	9 7 8			GROUP									
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ANTERNAMENTAL STREET OF CHARLES AND AND AND AND AND AND AND AND AND AND		3B-2		-									
EMOBA BI OCK2 3E-1 - 5 14 A VII D 2 A 2 L L L L L L L L L L L L L L L L L	TRUNK	CENTREX	38-6										
EM MILES C GL CHA (P.)	3	Q.Sp	SE OF DIVING V.	- 5-	13	E VEE				1/	SHOPE	WAE A	BE COM
CAN MATERIA OF CHAIN, A.C.	5 4		0830	lane.							5	1 X 32	
CAN WATERS OF CHARLE	9			-									
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MEMORY BLOCK SPECIAL CODE ASSIGNMENT 3E-4 ENTRY	SYSTEM SUNTX ALLOW ALLOW ALCE CODES BOR VIE	COME SYSTEM OF BEING BOND STREET AND SWITCH CONTROL STREET AND SWITCH STREET ST	ELMO OLHEK COWWOM S DNILLCYE	2 9 DALIAGO	CROOLS OUR DE VESTERS IN BUIER SE ENTERING - CRAUSE NO.	THE TO FOUR (OF EIGHT AVAILABLE) TRUME.	KB OB.		LYBITE MOMBER LOG VASICHMENIA  THE MOMBER LOG VASICHMENIA  THE MOMBER LOG VASICHMENIA
MEMORY BLOCK 3E-3	REJECTION CODE 1 (Single Digit)	REJECTION CODE 2 (Single Digit)	REJECTION CODE 3 (Single Digit)	REJECTION CODE 4 (Single Digit) & DIVERNO	MANAGED OF A PARTITION OF A PARTITIO	10) NUON OT 4U	DEMIES LYBREZ EALBIES LYBYE LANGLION! YTTO	YND BELEURINCE	SERUN ZIRAT-
MEMORY BLOCK 3E-2	DIRECT TRUNK  1+ GROUP 1	DIRECT TRUNK 11 GROUP 2	DIRECT TRUNK  1+ GROUP 3	DIAL TRUNK 1+ GROUP 4	DIRECT. TRIINK	OM GROUP 5	DIRECT TRUNK	4	DIAL TRUNK
MEMORY BLOCK 3E-1	STANDARD DIAL AREA	INDEPENDENT TELEPHONE COMPANY	PUERTO RICO	O STATE OF THE STA	occuve	GROOM	ANTOMADERA.	CODE LYBRE MIN	3,50 649 141

TOB SECTION 1995 WELLINGTONE

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KESTRICTIONS	ENTRY	1 ~ 32	ALLOW OR DENY	1~8		SET OR NOT SET	3 DIGIT CARRIER CODE	3 OR 6 DIGIT CODES	73		SECTAL CODE V ZROMMENT. MENORA BLOCK SELID
MEMORY BLOCKS 3E-5, -6, -7, -8, & -9 SYSTEM RESTRICTIONS	DESCRIPTION	TABLE NUMBER FOR ASSIGNMENTS AND REFERENCE	-TABLE FUNCTION; ALLOWS OR	DENIES TABLES ENTRIES  UP TO FOUR (OF EIGHT AVAILABLE) TRUNK	GROUPS CAN BE ASSIGNED TO EACH TABLE	- ALLOWS INSPECTION OF TABLE DURING EQUAL ACCESS DIALING	ASSIGNMENT OF TWO OTHER COMMON	PERMITS UP TO SIX DIGIT CODES FOR ALLOW	CODES (3 DIGITS), ONLY OFFICE CODES (3 DIGITS), OR A COMBINATION OF	BOTH (6 DIGITS) ALSO, 3 DIGIT OFFICE CODES FOR ALL AREA CODES; AS IN XXX976	) AE
MENION I BLOCK	ITEM PPY CWORDS 3	CODE TABLE NUMBER	ALLOW/DENY ON ON	TRUNK 1 2 3 4 GROUP	OCCFLAG LEDVK	ASSIGNMENT ASSIGNMENT	- /-		THE SECTION OF THE PARTY OF THE	VWEV GHORB I	3E-1 PREPROBABITOCK WEWORA BTOCK
			-						1 1 1 1 1 1 1 1 1 1 1 1 1		3

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## MEMORY BLOCKS 3E-5, -6, -7, -8, & -9 SYSTEM RESTRICTIONS

MEMORY	CODE TABLE NUMBER	ENUMBER	10	MEMORY BLOCK	CODE TABLE NUMBER	ENUMBER	02	MEMORY	CODE TABLE NUMBER	ENUMBER	03
3E5	ALLOW/DENY			3E5	ALLOW/DENY			3E5	ALLOW/DENY		
,3E6	TRUNK GROUP	1 2	5	3E6	TRUNK GROUP	1 2 Exter (8, 2)	3 4 5 CO II ISCON	3E6	TRUNK GROUP 100	1 2 (20 mg/ finch	3 . 6
3E7	OCCFLAG		1	3E7	OCCFLAG	TR V CO TILE		3E7	OCC FLAG	11. Can out.	crements)
3E8	OCC CODE ASSIGNMENT	-/	~	3E8	OCC CODE ASSIGNMENT	LAC GER	2 6V 1903	3E8	OCC CODE ASSIGNMENT	H 2 H 0 (3)	2
JT.	C 1 2	AREA CODE	OFFICE CODE	ES	NO.	AREA CODE	OFFICE CODE	200	C 40 - 180	AREA CODE	OFFICE CODE
3E9	0 4 0 4			3E9	0 0			3E9	0 0		
A STATE OF THE STA		Diffusion of the control of the cont		5 景 5	2 H	1	A Spirit Bar	¥9.11	E S	 	- - -  - -
	88 17 18 18 18 18 18 18 18 18 18 18 18 18 18				8	1	TOWNER WOLL	P STERRICE.	STATE OF THE	1 1	-
MEMORY BLOCK	CODE TABLE NUMBER	NUMBER	04	MEMORY	CODE TABLE NUMBER	NUMBER	05	MEMORY	CODE TABLE NUMBER	NUMBER	90
3E5	ALLOW/DENY			3E5	ALLOW/DENY	SECTION AND	WIN TO CO TO	3E5	ALLOW/DENY	10 m	
3E6	TRUNK	1 2	3	3E6	TRUNK	DAM B20	USO 4	3E6	TRUNK GROUP 188	7 Su 08)	3 4
3E7	OCCFLAG			3E7.	OCCFLAG			3E7	OCC FLAG		
3E8	OCC CODE ASSIGNMENT		2	3E8	OCC CODE ASSIGNMENT	V MARTIE	ME LEBMIS V	3E8	OCC CODE ASSIGNMENT	50 00 t 00	2
OCK	NO.	AREA CODE	OFFICE CODE		C 1 2	AREA CODE	OFFICE CODE		C 10.	AREA CODE	OFFICE CODE
3E9	0 0	THE BUT		3E9	0 0	SCHOOL STATE	11	3E9	0 0 0		
	19 L	WEW	0 k k B	OCK2	E 6	15.		ALIZE	E 6	 -0:-	

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DVALUES	ENTRY		NO VELY CODE GELECE CODE	300~1700 (100 mS.increments)	0.0017	00 ~ 760 (50 mS. increments)	YESORNO	CO OR PBX	CODE LYBYE MANIBER OF	DTMF OR DP	E 10 OR 20		40~180 (10 mS. increments)	0 ~ 7000 (500 mS. increments)	0cc 1400 (100 mS. increments)	carpy 0 ~ 700 (50 mS. increments)	VTTOM LOEBA	CODE LVBTE MINNEES 93
MEMORY BLOCKS 4B-1 AND -2 COI INITIALIZED VALUES	3E3 DESCRIPTION 3E3		NO. NEEV CODE   OFFICE CODE	TIMING OF CO/PBX HOOK FLASH FROM THE RECALL KRY OF A MILLTILINE TERMINAL TO	3ETHE CO. STATE SELVER SELVER	-DURATION OF A DIALED DTMF DIGIT	DISCONNECT SIGNAL FROM CO	SELECT WHETHER DIAL TONE IS CO DIAL	PO TONE OR PBX DIAL TONE OF WESTORY	SELECT EITHER PUSHBUTTON OR ROTARY DIALING, DEPENDING ON CO / PBX CAPABILITY	AND CUSTOMER REQUIREMENTS SELECT THE PULSE RATE USED FOR ROTARY DIALING, DEPENDING UPON CO TYPE	3E9 0 3 E9	THE TIME DURATION BETWEEN EACH DIGIT	— DURATION OF SPEED DIAL PAUSES	RELEASE TIME OF A CO LINE	DETECTION TIMING OF THE CO DISCONNECT	362 VITOMADENA	BLOCK OCCE LYBFE MINNBEK INS MEMORA
MEMORY BLO	D TIEM	0 48-1	0)	OR OR DISC. LENGTH 1.45H 20 PPS DP PBX SIG. (mS.) (mS.)	PPS DTMF CO NO 1			MFGMYDEMA	SPECK CODE LYBRE MINABER 04	48-2	DISCONNECT PAUSE INTER-RECOGN. TIME DIGITAL INME (mS.) (mS.)				SCC WY SCC WY S			

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WEWORN BLOCKS 3E-2'-6'-1'-8'8-8 2AZLEN BEZLBICLION?

\$20 - 760 (50 mS. increments)

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C CINY P GI	19-1 AND -2
C CINY P OF	48-1 AND -2
C CIAN & GA ?	2- QNP - 7
C CAN A ANIN S	2- QNP -1-94C
C CIN A AND	NS 4B-1 AND -2
2/1/2	2
2/1/2	JCK5 46-1 AND -2
SVINC	クビアク
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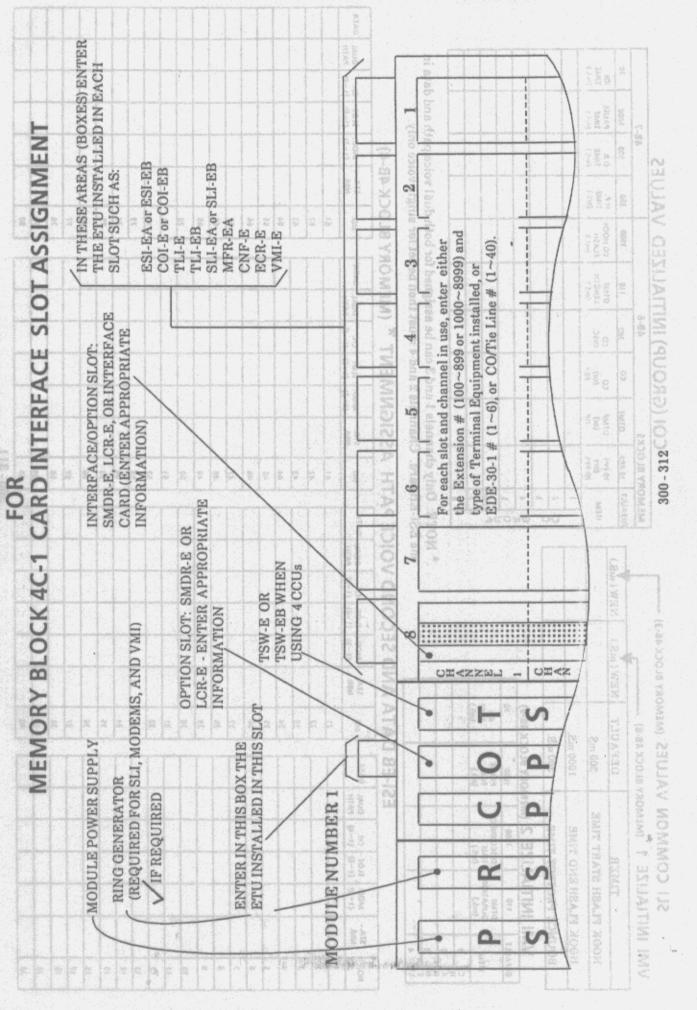
TOB ZEECHSCVITOR DIZIRACIONZ EC300,309 NOBA BFOCK2 18-31-4"-8" 1"-8" YND -8

# JOB SPECIFICATION INSTRUCTIONS FOR MEMORY BLOCKS 4B-3, -4, -6, -7, -8, AND -9

ITEM DESCRIPTION	MEMORY BLOCKS 48-3 AND 48-8  RELEPHONE HOOK FLASH IS RECOGNIZED TELEPHONE HOOK FLASH IS RECOGNIZED	300 m.S. MAXIMUM TIME SINGLE LINE TELEPHONE HOOK FLASH IS RECOGNIZED	MEMORY BLOCK 48-4 DETECTING ON-HOOK CONDITION	MOD. SLOT CH DUAL DATA ASSIGNMENT OF DATA OPTION*	//	H	CO CO DIMP COHOOK  [60] DISC. (ENGTH FLASH		DISCONNECT SIGNAL FROM CO	" TYPE OF LINE	TYPE OF DIALING SCHEME OF CO	(ms) SPEED OF ROTARY PULSES SENT TO CO	INTERDIGIT INTERVAL DIALING TIME	SPEED DIAL PAUSE TIME	CO DISCONNECT RECOGNITION TIME	2 (Memory Block 489) COLINE HIT PROTECTION TIME	1000 70	THATE THATE THATE THATER DIGIT INTERVAL DIALING TIME 40 ~ 180 (10 mS. increments) (ms.)	THE PROPERTY OF THE PROPERTY O
	Y BLOCKS	HOOKFLASH END TIME 1000 a	300 H	48		DTMF CO	(or) (or) PB	//		48-7	1	(mS.) (mS.)		A	00 34400	VMI INITIALIZE 2 (M	1500	DISCOUNECT TIME (mS.)	The second secon

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		TIMER	P.B.			DEFAIIT	TT	NEW (mc)	1011	NEW	bw. ma	1 DEF	DEFAULT 10	10 PPS	DTMF	8	NO		110	1500	350	300	1000	70	
HOOK		FLASH START TIME	FART	TIME		300 mS.			CO.	MEM	('0)	Ē	ITEM (0	(or) (or)	(or)	(or)	CO DISC	DTA	DTMF C	CO HOOK FLASH	H.P. TIME (mS.)	D.R. TIME	PAUSE	TIME	140
HO	HOOK FLASHEND TIME	SHEN	ID TI	ME		1000 mS.							-	-						77					Т
BOU	BOUNCE PROTECT TIME	ROTE	CT TI	ME		300 mS.		> 5				00	2											1	
>	VMI IN	INITIALIZE	LIZE	7	MEMOR	(MEMORY BLOCK 48-9)	48-9)	<u> </u>	使用を送り			90	w d	-							20 20 20 20 2		1		T
DEFAULT		110	15	1500	1000	_ 0	7.0		经货物用			×0	25					-							T
ITEM	DTM DUR (mS	DTMF DURATION (mS.)	DISCO TIME (ms.)	DISCONNECT TIME (m\$.)		PAUSE TIME (mS.)	IIDI TIME (mS.)	50.50				⊃•	9 4	F 10/2	11-0	O I	1917/0	# 10 LTL	10 1	8					H
								П	· 京中 田 白 田				- 00	(0) B((5)	0 8	18-00	10 00	0 10	THE STATE OF	boo					
EZE.				H		6			中年分升方法		* I	NOTE	* NOTE: Only channels 1 and 3 can be assigned for both dual voice path and data in one ESI-EB card. Channels 2 and 4 must then be set for single voice only.	chann I Cha	els 1 a	and 3 c	an be	assign	ned for	both	lual vo	ice par	th and	datai	c
		-			ESI-EB	0	ATA	AND	AND SECO	OND	>	CEP	PATH	ASS	ASSIGNMENT *	MEN	*	(ME	(MEMORY	YBLO	BLOCK 48-4)	3-4)	,		dama,
NO.	STA. M NBR. (1	MOD. St. (1~3) (1-	1) (8-1)	CH. (1-4) P	DUAL DA	DATA	NO.	STA. NBR.	MOD. \$1 (1-3) (1	\$1.0T CH.	DUAL PATH	DA	NO.		MOD.	5. SLOT	5	DUAL	DATA		STA.	MOD.	SLOT		DUAL DATA
	T U	201	10	100		N	21		-	-	100		41			100000	-			19			-	-	
2					1	T	22				4		42							3					
6 4				+	+	T	23	1	TO S	8		4	43		+	1			T	69					
8						I	25	1	100	120		1	45 44	-	+	-			T	2 13				1	
9					201	DE S	36						46						1	99					
2		10 PM	9	atom list	100	31	22						47							67					
00		+	+	+	+	T	28	OS.	75	M			48	4						68	DITTE D				
6	1	-		1	+	T	53	18. E		E A 516	08	M	49	4	-					69					
10	+	+		+	+	T	30	ST. IC	0	N N	30	33	20	-	1					70					
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12		+	-				37						57							11					
81	1	+	-	1		1	38						88							78					
19		+	+	+	1	7	39	OH I	g	ž V			89		11 10 11	9	V		Ĭ	79	S	S			
20							40						3							88					

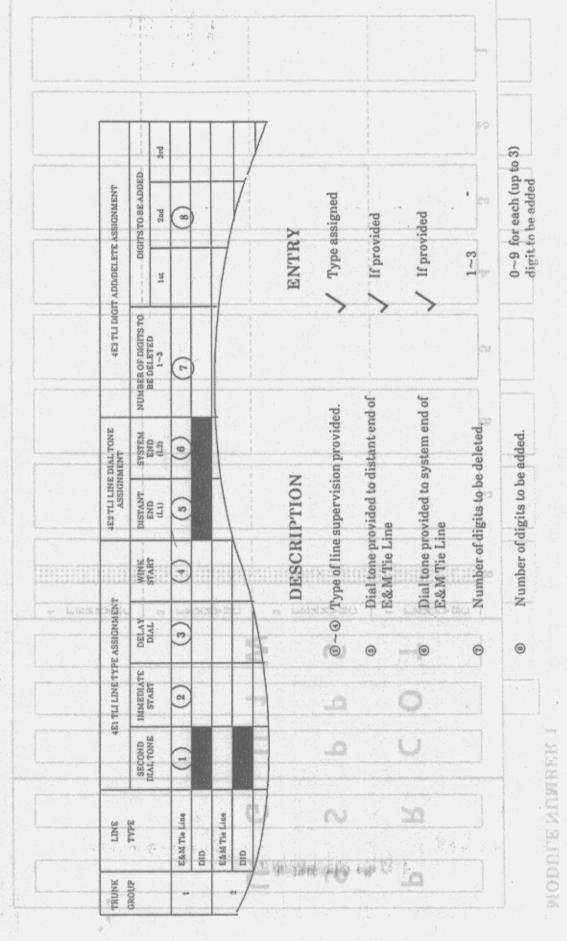


MEMORY BLOCK 4C-1 CARD INTERFACE SLOT ASSIGNMENT

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				9	OΉ	00	1	7	9	2	4 per	8	2	
	8	U	0	4	FRZZZ	9. 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	laye od bobly	To base one		P II PC	- 10 - 10 - 11		
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4776			(10)	10	NBI		9			(3)		(0)		
		SMC TONE	PLYR.	6 6			000		200	7-8 98 00173.80 57 00773.80	W2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5	-
1.0	16 M		EL ALTTENE	Aye vers	OHEN		N LT ES	Vasidamia, PALTITIES	JOHE.	453 471 59	31, v55/4361 91.K	TO MICHARCEA.		

LOB WEMOBA BROCK2 4E-1"-5" WID -3 IFI FIME WID ZICHWING BWBWINELEBZ
108 ZECIEICYLI804313121BFCLIOMZ

## FOR MEMORY BLOCKS 4E-1, -2, AND -3 TLI LINE AND SIGNALING PARAMETERS JOB SPECIFICATION INSTRUCTIONS



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MEMORA BLOCK &C-1 CVBD MILEBEVCE 21'01 V221CHWEMI

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# MEMORY BLOCKS 4E-1, -2, AND -3 TLI LINE AND SIGNALING PARAMETERS

TRUNK	ON CLINE AND	drcsuoh drcsuoh dresk	4E-1 TLI LINE TYPE ASSIGNMENT	PE ASSIGNMEN	INDUSTRICT OF	4E-2 TLI LIN	4E-2 TLI LINE DIAL TONE ASSIGNMENT	4E-3 TLI DIGIT ADD/DELETE ASSIGNMENT	D/DELETE	ASSIGNM	ENT
GROUP		SECOND	IMMEDIATE	DELAY	WINK	DISTANT	SYSTEM	NUMBER OF DIGITS TO BE DELETED	DIGIT	DIGITS TO BE ADDED	DED
	E&M Tie Line			) (cura		(L1)	(L2)	1~3	1st	2nd	3rd
-(	DID		V.	S January S			The incomposite to	- C ebbb ing: mooning:	MCMDMID.	101101	
	E&M Tie Line			S S S S S S S S S S S S S S S S S S S				100			
N/	DID							2010 F 120 M 2 100 M		E.M.123	
0	E&M Tie Line			2000	A Property is to place			STATE OF THE PARTY	10000	1	
AUTO	DID	意が表		d Trypen	ME VALERITO		Agrange (1) Same of the	TG-13 SECONDS (E.IC)	T 0 3 3R	CASSA IN	200 002
Chickey	E&M Tie Line	OHE CASE						-	DVI	1,000	
,	DID			DELYLO	WHAR SIGHT			BOK DELYA DIYETRI	- 0 =	20m2, (30 m	100
ч	E&M Tie Line			PROBETI	OOK COMMIS	NATURAL PROPERTY.	TO MINISTER OF		186	BENEVAL	
0	DID			Contraction Contra				THE RESERVE THE PROPERTY OF TH		3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0	E&M Tie Line			SE LIPTOR SE	or manufacture as a	The state of the s	arijas				
0==	DID	\$5.00 ·	7	* ) MINIMUM	LINEYCLEST		Art and The	B - 1850 NO. (130 NO.	MCKEWE	6197	
e	E&M Tie Line	(8)		HVARIA	-						
•	DID			BVELLYS	SARKS PEROI						
0	E&M Tie Line			MUMMINIM 8	TIME INTERV	NEVENDER AND	CALLED	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MCREME	(BTW)	-
0	DID AVENYOR		DONELEVEL	OFF.HOO		aride a		\$-131M 1 2RCOMD 19	CSMENS	6	
REDUCE MENDER		4.00		5 TVERED I	HE PERORE	LYBERD LIVE BELOGE ZENDING WHEED	0.0	5 - 13 SECONDS (6 - 5 SECONDS	SECONO	100	
				BELMERN	BELINES BOTHED DICHES	128 2000 Patri		Section of the section of the Constitution Section (Section Section Se			

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EMLEA

4-4-5-10-1

EOB MEMOKA BLOCK? 4E-4' -2' VMD-8 LITHMLIVITSED AVENEZ

### FOR MEMORY BLOCKS 4E-4, -5, AND -6 TLI INITIALIZED VALUES JOB SPECIFICATION INSTRUCTIONS

#### DESCRIPTION

ENTRY

0 ~ 7000 mS, (500mS, INCREMENTS)

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	=	-5
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	$\mathbf{z}$	19
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U		1

- 2 ) LAPSED TIME BEFORE SENDING PULSED DIGITS TO CO AFTER DISTANT END GOES
- MINIMUM TIME INTERVAL AFTER THE CALLED OFF-HOOK 9

CO RELEASE DETECT 520 mS. 4

COANSWER 520 mS.

PRE-PAUSE TIME 3 sec.

1000 mS. PAUSE

DEFAULT

4E.4

MEMORY TTEM 3

2

0~1820 mS. (130mS. INCREMENTS)

2~12 IN 1 SECOND INCRMENTS).

0 ~ 12 SECONDS (0~2 SECONDS

IN 500 mS. INCREMENTS;

0~1820 mS. (130mS. INCREMENTS).

- MINIMUM TIME AFTER HANGING UP BEFORE PARTY ANSWERS BEFORE A CONVERSATION MAY START.
- M LEAD RECOGNIZES A DISCONNECT FROM N,
- TIME DURATION LAPSED BEPORE RECOGNIZING AN OFF-HOOK CONDITION FROM THE CO WITH A DELAY OR WINK SIGNAL 20

0~1820mS. (130 mS.

FOR WINK START =

0~420mS, (30mS, INCREMENTS)

FOR DELAY DIALING =

INCREMENTS)

LAPSED TIME AFTER LOCAL STATION ANSWERS BEFORE A VOICE PATH IS ESTABLISHED. 9

LENGTH OF DELAY SIGNAL

LENGTH OF WINK SIGNAL

LOOP OFF-GUARD TIME

WINK/DELAY
INCOMING

DETECT

4E-5

300 mS.

180 mS.

2 sec.

120mS.

520 mS.

00

9

10

INCREMENTS; FROM 2~12 SECONDS IN 1 SECOND 0~12 SECONDS (FROM 0~2 SECONDS IN 500 mS.

30mS. ~ 450 mS. (30mS. INCREMENTS)

INCREMENTS).

0 ~ 4200 mS. (300mS. INCREMENTS)

- LENGTH OF WINK SIGNAL SEND TO THE DISTANT END. 2
- LENGTH OF DELAY SIGNAL SEND TO THE DISTANT 00
- SYSTEM WILL MONITOR THE CENTRAL OFFICE THE LENGTH OF TIME, IN SECONDS, THAT THE LINE FOR RECEIPT OF A WINK SIGNAL. 6

START

TANDEM LCR TIMER

OUTGOING GUARD TIME

WINK/DELAY

SIGNAL DETECT TIMEOUT

4E-6

12 sec.,

3 sec.

7 sec.

10)

6

I ~ 14 SECOND OR ∞(1~14 SECONDS IN 1 SECOND

INCREMENTS).

LENGTH OF TIME THE SYSTEM WILL NOT ORIGINATE AFTER HANGING UP. 10)

 $1 \sim 9 SECONDS$ 

TIME BEFORE THE VOICE PATH IS ESTABLISHED, APTER DIALING THE FIRST DIGIT, AND BETWEEN WHEN USING A TANDEM PORT, THE MAXIMUM EACH DIGIT DIALED. CK2 TE-1, W

 $2\sim28$  SECONDS OR  $\simeq(2\sim28$  SECONDS IN 2 SECOND INCREMENTS).

## MEMORY BLOCKS 4E-4, -5, AND -6 TLI INITIALIZED VALUES

BLOCK		4	4E-4			7	4E-5			4E-6	
ITEM (	PAUSE TIME	PRE- PAUSE TIME - (0-12 SEC.)	CO ANSWER DETECT TIME (0~1820 mS.)	CO RELEASE DETECT TIME (0-1620 mS.)	WINKY DELAY2 INCOMING DETECT TIME	LOOP OFF. GUARD TIME	LENGTH OF WINK SIGNAL (30-450 mS.)	LENGTH OF DELAY SIGNAL (0 -4200 mS.)	WINK/ DELAY SIGNAL. DETECT DETECT TIMEOUT	OUTGOING GUARD TIME (1-9 seconds)	TANDEM RESTRICTION/ LCR CONTROL TIME
DEFAULT	1000 mS.	3 sec.	520 mS.	520 mS.	520mSt 120mS²	and sec.	180 mS.	300 mS.	7 sec. 40 s	(\$ -3 sec.) 445 E.	12 sec.
100	1 (8)	ises oplay big Sb	faed to Sign	Petrosmut	grind during	satismustwa	den 75s Line connection	e connection	0	-	
R U	98 AB PR	jese seksy b	A T at been	is timensol	yninuh žiuos	hiT lacresci	entro entro	Managana Ligas	0	OP 50	
N S	and and the second	dg hiq Allins saar	is evipset. A & E & Hood	nio evisce)	i gninubulu	ternal Tia	Commo sail sil larred	. per:5.	-0	00	
0.4	CO C	nedigus tolik	of Pradin	befores	The state of	,bost				50	
R 0	. §	Madule cum	Laisone and enoring and	plainesas a	at Digital	beised				c9	
9 0		ne teny da	mper.							05	
P 7	Mari	(	E (	Country (C		0	6	6	(8)	PALBA	
∞											

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108 SECIEICATION INSTRUCTIONS LOS MEMORA BFOCK2 VE-3 8" VE-8 - IFI DYBYNELES

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# JOB SPECIFICATION INSTRUCTIONS FOR MEMORY BLOCKS 4E-7 & 4E-8 - TLI PARAMETERS

				-				-					
NUM	ITEM C	CCU MODULE (1~3)	CCU \$1.0T (1~8)	TLI CHANNEL (1 OR 2)	INTERNAL (0~8) REC. TRA	L (0~8) TRANS.	EXTERNAL (0~8) REC TRANS.	DTMF INTER DIGIT TIMER (40~180)	DURATION (60-760)	SENDER DIAL TYPE (DP or MF)	RECEIVER DIAL TYPE (DP,MF,DP/MF)		
S DEFAULT	AULT				o	0	0	70 msecs.	110 msecs.	OP	dO		
9		3	(0)	9	(5)	9	(7) (8)	0	(9)	(3)	(12)		and comments of the second
ITEM				DESCRIPTION	HPT	NO					EN	ENTRY	
Tie Lin	ne tru	Tie Line trunk number.	ber.								1~40		
(2) ccun	Module	qunu s	er where	e the asso	ciated	TLI can	CCU/Module number where the associated TLI card is located.				1-3		
(3) ccu/s	Slotnu	mber	where th	CCU/Slot number where the associated		I card is	TLI card is located.				1~8		
(4) Chann	nel (cir	cuit) or	the TL	I card ass	ociated	withth	Channel (circuit) on the TLI card associated with the Tie Line.				1-2		A representation of the second
(S) dB pac	d value	assign	ned to E	& M recei	ve circu	iit durir	dB pad value assigned to E&M receive circuit during internal Tie Line connections.	ie Line conn	sections.		0 ~ 8		
e dB pac	d value	assign	ned to E	dB pad value assigned to E&M transmit		euit dur	circuit during internal Tie Line connections	Tie Line cor	nnections.		8~0		
(7) dB pac	d value	assign	ned to E.	&M recei	ve circu	ntdurin	dB pad value assigned to E&M receive circut during external tandem Tie Line connections.	undem Tie L	ine connec	tions.	8~0		
(8) dB pac	d value	assign	ned to E.	&M trans	smit cir	cuit dur	dB pad value assigned to E&M transmit circuit during external tandem Tie Line connections.	tandem Tie	Line con	nections.	0 ~ 8		
minim (e)	num ti	me dur	ation be	tween D'	FMF di	gits whe	Minimum time duration between DTMF digits when dialing.	20 20 20 20 20 20 20 20 20 20 20 20 20 2		.a. 1000	40 ms.	~180 ms.	13 460
<u></u> (2)	duration	T Jo uc	ie line D	Time duration of Tie line DTMF digits.	its.		25000000 23 20	1.8m 648+984 44	1. 105 - 1050 P. 1		60 ms.	60 ms. ~ 760 ms.	A Service of the Service Service of the Service of
(11) Selects rotary (DP) or pushbutton (MF) dialing. (12) Selects rotary (DP), pushbutton (MF), or both DP/MF dialing.	s rotar	y (DP)	or push	Selects rotary (DP) or pushbutton (MF) Selects rotary (DP), pushbutton (MF), o	MF) dia	dialing. r both DP/A	MC CONTENT ONE. AF dialing.	BALPTIC TEMOLH OX			Bal.	DP or MF DP, MF, or DP/MF	TOR CONTROL HEREITED
								CH (35)		n beldere florege, spec		G Ind	

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MEMORA BLOCK2 VE-Y'-2' VIND BE LITHMINY INSED AVINES

200 - 255

#### TLI INITIALIZED VALUES

1					ME O	NMISO4	4E-7 DIV	MAT MAR	BERSE	ROSED.4	4E-8	
	ITEM	CCU	CCU	TLI	INTERNAL (1~8)	(1~8)	EXTERNAL (1-8)	(1-8)	DTMF INTER	DTMF TIME	SENDER DIAL TYPE	RECEIVER DIAI TYPE
SPENSEN ID 1 - 364 Challen	JWIDER	(1~3)	(1~8)	(1-0R2)	REC	TRANS.	REC	TRANS.	(40-180)	(60-760)	(DP or MF)	(DP,MF,DP/MF)
PAGE VECTAL BY	DEFAULT	·			0	0	0	0	70 msecs.	110 msecs.	dO	ď
		1			PART OF	COOC						
	100				SWOT	MHED	THE	(BCV)	TARK IB			
NE FIT BUILD AND CONTRACTOR OF					DIESA.	NS EX	RESERVA	1.08	AR CIME	TATE	M	317 307
Petropy at S	B A											
1		45										
					1001100	K CBO	611	100	75172 F317	Ona Ox		ŀ
Э												11.0
Carpiny James	Patrick Ad (B - 10)											
MEWORK R	30.00				REFE	A ST	VMOR	M POR				N - 883 OB
n				\								
Z					10833	ARE	12881	TOS	MARCIN	WBA BUB	leg.	
۷		1			V Selle	KBBBB	OBXI	SATAN.	SET DOING	S SUBAN	0.00	INC. I MATERIA
Z	X			1	100	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	KEDWA	KE VV	D 2011.A	ARE	Die	ARDWARE
D 2		A.	1				201					
88					Cadan	0.00		MITTO	LE CHESTO			0
ш							'n					
ANDER SON R	I SWORT											
VARIATION A NO	2 4E-3											

108 26 ECERCATION INSTRUCTIONS FOR WEWORK BIDCK2 4E-3 & 4E-10 - 1/1 BYBVWEIEEZ

### JOB SPECIFICATION INSTRUCTIONS FOR MEMORY BLOCKS 4E-9 & 4E-10 - TLI PARAMETERS AND MEMORY BLOCKS 28-10 & 2C-6 - UNIFORM DIALING

ITEM	DESCRIPTION	ENTRY
MEMORY BLOCK HARDWARE SOFTWARE		
11-81	ASSIGNS A TANDEM HUNT GROUP TO A TANDEM PORT.	1~8
2 2 2 5	ASSIGNS HARDWARE AND SOFTWARE TANDEM PORTS. HARDWARE PORTS ARE ASSIGNED TO EXISTING ESI PORTS; SOFTWARE PORTS ARE ASSIGNED TO IMAGINARY PORTS.	HARDWARE OR SOFTWARE
MEMORY BLOCK 4E-10 TRUNK TANDEM HUNT GROUP GROUP (1-8)	SELECTS A TANDEM PORT	100 ~ 899 OR 1000 ~ 8999
22-7	TRUNK GROUP.	1 ~ 8
MEMORY BLOCK 28-10  RECALL KEY OPERATION ON  THE LINES (INITITE) (DEFAULT INT)	ASSIGNS INTERNAL OR TIE LINE DIAL TONE WHEN THE RECALL KEY IS DEPRESSED.	INT OR TIE
MEMORY BLOCK 2C-6	TO Andrew ST ST ST ST ST ST ST ST ST ST ST ST ST	90
NUMBER (01 – 20) GROUP (2 – 8) EV	SELECTS A UNIFORM DIAL NUMBER.  SELECTS A TRUNK ACCESS CODE GROUP FOR	L) 01 (ms.20) here i corr 1535 geography

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#### TANDEM PORT TO HUNT ROUP ASSIGNMENT (4E-9)

HARDWARE GROUP OR (1~8)									
ANDEM HARDWARE ORT SOFTWARE									
TANDEM									

### TRUNK GROUP TO TANDEM HUNT GROUP ASSIGNMENT (4E-10)

1 2 3 4 4 5 6 6	TRUNK	TANDEM HUNT GROUP (1 ~ 8)
	-	
	2	
	3	
	4	
	5	
	9	
8	7	
	8	

TIE LINE OR EXTENSION DIAL TONE ASSIGNMENT (28-10)

RECALL KEY OPERATION ON TIE LINES (INT or TIE)

#### TRUNK ACCESS CODE GROUP TO UNIFORM DIAL NUMBER

5C-6)	ACCESS ROUP (2~8)						7 %	14	136		The same of the same of the same of
MENT (	TRUNK ACCESS CODE GROUP (										
ASSIGNMENT (2C-6)	UNIFORM DIAL NUMBER (01~20)										

### CHAPTER 4

### STATION OPERATION

#### CHAPTER 4 STATION OPERATION

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	Delayed Ringing CENTREX Ringing	Grand Grand Comment of the Comment o	Attendant Operation	CO/PBX/Tie (Outside) Calls using the	CO Add On Module	CO Trunk Selection and Test	CO Trunk and MFR Circuit	Busy Out/Restore	Originating Extension (Internal) Calls	Step Call	Attendant Transfer	DND Override	Internal Zone Paging	External Zone Paging	Message Waiting	Night Transfer	Attendant Camp-On	Ringing		//Cancel	12		erified Account Co	Delay Announcement Set/Cancel	orde Mari Call	Single Line Telephone Operation	CO/PBX/Tie Line (Outside) Calls	Extension (Internal) Calls/Step Call	MFR Circuit Selection and Test	Trunk Queuing	Transfer	Trunk to Trunk Transfer	Conference	Unsupervised Conference	Internal Zone Paging 8Eb.18	External Zone Paging
	420.34		430 Attenda	430.1		430.2	430.3		430.4		430.5	430.6	430.7	430.8	430.9	430.10	430.11	430.12	430.13	450 430.14 F	430.15	430.16	490 PSE 430.17		440.34	440 Single L	140.1	440.2	440.3	440.4	440.5	CEANATO		VELKE 4 440.8	440.9	OTTORR
PAGE 400-1		400-2	400 - 10	400 - 13	400-17	400 - 22	400 - 24	400 - 26	400 - 28	400 - 30	400 - 37	400 - 39	400 - 41	400 - 43	400 - 46	400 - 48	400 - 49	400-51	400 - 52	400 - 55	400 - 56	400-57	400 - 59	400 - 61	400 - 62	400 - 63	40B - 103	400 - 67	400 - 73	400-74		400 - 75	400-80		400 - 85	701 - 005
	Multiline Terminal Operation	CO/PBX (Outside) Calls	Pooled Line	Tie Lines & DID	Extension (Internal) Calls	Handsfree Call	Dual Path Call	Transfer	Trunk to Trunk Transfer	Conference	Unsupervised Conference	Internal Zone Paging	External Zone Paging	Consultation Hold (Broker's Call)	Call Park	Dial 0 For Attendant	Call Pickup	Night Call Pickup	Callback Request Message	Camp On	Tone Override	Automatic Callback	Account Code Entry	Save and Repeat	Do Not Disturb	Call Forward	Programming Station Speed Dial and	Feature Access Keys	User Programming	Background Music	Calculation (Multiline Terminal with	a Display)		Voice Mail Call	Data Communications	Modelli I voimb
General	Multiline	420.1	420.2	420.3	420.4	420.5	420.6	420.7	420.8	420.9	420.10	420.11	420.12	420.13	420.14	420,15	420.16	420.17	420.18	420.19	420.20	420.21	420.22	420.23	420.24	420.25	420.26		420.27	420.28	420.29		420.30	420.31	420.32	2000
410	420																		4.00	pr . 300	70	7	1 TO 1			2 2										

## STATION OPERATION CHAPLER 4

ND-20292 SEPTEMBER, 1988 400 - 120 400 - 142 400 - 143 PAGE	400 4160 147 400 4161 143 400 - 162 400 - 163 400 - 163	a Song Library John Levy, Service	400 - 100	C21 004		00-120	400-119	400 118	406-113	BAGE
	Call Forward (1979-1979) Cappage Cappa	General Colon of Page Beer Described Programming Page List Name Colon Programming Station Speed Dial Originating Calls	Areagent Camp-On Might Lightiet	Butternal None Paging	DMD Override	Original indensity Batension (Internal) Calls	CO Trank and MPR Circuit		CEMEBEX BIDGINE	
4 AT	440.22 440.22 440.24 440.24 450 Directory	450.1 450.2 450.3 450.4 450.5	420 II	430 0	430.6			430 1 430 1 430 2		
CHAPTER STATION OPER PAGE	400 - 152 400 - 153 400 - 153 400 - 154 400 - 154 400 - 155	400 - 156 400 - 157 400 - 158 400 - 159	400 48	460-43	400-38	400 30	300 20	The State of the Con-	<b>\$</b>	608-1 8VCE
Background Music  Calculation (Multiline Yerminal with a Display) Station Lockout a Data Continuosications Voice Mail Call Stations  Notice Moultog	Consultation Hold (Broker's Call) Call Park Dial 0 For Attendant Call Pickup Night Call Pickup Callback Request Message	Camp-On Tone Override Automatic Callback Account Code Entry	Dial Office Attendant	Consultation Hold (Broker's Call)	internal None Paging	Companies (6 1 170 M 1 1.8 1881)	Lancter Car	Civien some Call  Cyclension (leteral) Calls  Liandafree Call		
420 32 420 32 430 30 430 30 430 38	440.11 440.12 440.13 440.14 440.15	440.17 440.18 440.20 440.20	4000		450 1	4200	420.5	0 to 1	190.0 V36.1	0.00

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and laib avisor to receive dial lone.

fire reak

Depress an idle extension or COIPBX

COUSEX OF EXA RESOURTED HE

SEPTEMBER, 1988

410 GENERAL

The Electra MarkII Station User's Operation Guide is divided into five sections. Each section is further sub-divided to provide a detailed step-bystep operation. The bulletted operations (•) are steps performed by the station user. This guide provides the LED and LCD status for each operation.

The remaining sections of Chapter 4 are:

420 Multiline Terminal Operation 430 Attendant Operation 440 Single Line Telephone Operation

b. Digi Access on Extension Line.

Converse with called party

Dial desired number and receive ring

end lab evisor of technal flui

a. Manual Dialing.

SmithambierO.

END. I COMPRX (Outside) Calls

ACLE: Line ELE propositions outh

EXT green LED lights.

450 Directory Terminal Operation 2 OCLE 1818

Section 420 provides all operations available to Multiline Terminals.

Section 430 augments section 420; with only attendant operations included in this section.

Section 440 provides all operations available to Single Line Telephones.

Section 450 augments section 420 for users of the Directory Terminal; only the operations available to the Directory Terminals are included.

COVEBX Steen UED lights

TE LED INDICATIONS

MOTTADIONI DOL STORM

GELLEPIEE I 1868 CHVELES

### 420 Multiline Terminal Operation

NOTE: The ETE-6-( ) Multiline Terminal provides red LED indications only.

420.1 CO/PBX (Outside) Calls

- 1. Originating
- a. Manual Dialing.
   b Depress an idle CO/PBX line key.
- Lift handset to receive dial tone.

CO/PBX | green LED lights.

- Dial desired number and receive ring back tone.
- Converse with called party.
- b. Dial Access on Extension Line.
- · Depress an idle extension line key.
- Lift handset to receive dial tone.

EXT | green LED lights.

code 9 is fixed.) Receive ring back tone. 70~75) and desired number. (Access Dial trunk access code (Default 9, 8,

NOTE: CO/PBX red LED lights if seized trunk is arther sub-divided to provide a detailed step-byalso a line key appearance.

- Converse with called party.
- c. Last CO/PBX Number Redial
- Depress an idle extension or CO/PBX line key.
- Lift handset to receive dial tone.

#### SAMPLE LED INDICATIONS

### SAMPLE LCD INDICATIONS

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- 0 0 : 3 7 2 8 F R I OCT E L A P S E D 1 0 : 4 5 0
- FRI 1 0 : 4 5 0 C T 2 8 EXT
- 95167537000 OCT 28 FRI 1 0 : 4 5

Section 430 augments section 430; with only attendent

FR 2 8 1 0 : 4 5 OCT ELAPSED

green LED lights.

CO/PBX or EXT

2 8 LINE OCT EXT 1 0 : 4 5

a swoiled (redmun refluid laid basqu ud When a glation speed disting sequence fusing a disting sequence, it does not lunction; the preceding speed distibution is a

• Dial \* (If \* is assigned to be dialed on CO/PBX lines as a first digit, depress DSS key assigned for last number redial B BWDH when using CO/PBX line keys.).

Converse with called party.

d. Station Speed Dialing

 Depress an idle extension or CO/PBX of yam dell guille benefith edrixed to line key wing us

· Lift handset to receive dial tone.

station speed dial buffer number (00~19) · Depress desired DSS key programmed for speed dial, or dial # followed by example: #01.

Converse with called party. e Converse with called

e. System Speed Dialing

 Depress an idle extension or CO/PBX line key.

Lift handset to receive dial tone.

Dial # followed by system speed dial buffer number (20 ~ 99) example: #20. NOTES: 1. If # is programmed to be dialed on station or system speed dial buffer number when CO/PBX lines as a first digit, depress DSS key assigned for speed dial, and dial # followed by calling on CO/PBX lines.

2. CO/PBX red LED lights if seized trunk is also a line key appearance.

· Converse with called party.

SAMPLE LED INDICATIONS

CO/PBX green LED lights.

EXT

green LED lights.

EXT | green LED lights.

green LKD lights EXX

ND-20292 SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

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#### SAMPLE LCD INDICATIONS

nucleary appearance.

COMPRE THE LED TIGHT II seased trunk is also a ciation or system speed dial buller mucher when tigit, dapress B55 key f. Consecutive Dialing and qual & toffemed pa

 Depress an idle extension or CO/PBX line key.

Dial & followed by system speed dial uper (20 - 60) extraple: #20

Lift handset to receive dial tone.

dialing, station speed dialing and Use any combinations of manual system speed dialing. •

· Converse with called party.

g. Prime Line

Lift handset to receive dial tone.

· Use any of the dialing methods

described here.

An additional dialing step may be required in the following cases: - When a system speed dialing sequence follows a manual dialing sequence, DSS key programmed for speed dial access must be depressed prior to accessing the system speed dialing.

- When a system speed dialing sequence follows a DSS key programmed for speed dial access must be depressed prior to accessing the system speed dialing unless the last digit of number stored in station or another system speed dialing sequence, the preceding speed dial buffer is \*.

followed by speed dial buffer number) follows a - When a station speed dialing sequence (using # manual dialing sequence, it does not function.

#### SAMPLE LED INDICATIONS

CO/PBX or EXT green LED lights.

CO/PBX or EXT green LED lights.

COVERY | Steen I'RD | ights

ND-20292 SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

Carlotte Control	0	61	4	5	51	0	0 0	£		2	00	R	R	
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SEPTEMBER, 1968 **《238年19年8日本** 

- When a station speed dialing sequence (using # followed by speed dial buffer number) follows a it does not function unless the last digit of numbers system or another station speed dialing sequence, stored in the preceding speed dial buffer is \*.

# 2. Answering (CO/PBX, and DIT/ANA calls)

- a. Manually Selecting Line
- Depress CO/PBX or extension line key associated with flashing LED
- Use handset to respond.

he lift call display indicates the manity of DTTANIA cells waiting to be answered. b. Answer Key

- Depress ANS key with flashing LED.
- Use handset to respond.
  - c. Prime Line or Ringing Line Preference
    - · Lift handset to respond.

NOTES: 1. Depression of ANS key with call in

progress places original call on hold, with I-hold LED indication.

- 2. System programming data must be entered for trunk group name assignment (other than default) to be displayed.
- 3. CO CALL is the default trunk group name System programming data must be entered to change the displayed when receiving a DIT/ANA, tie line, DID or a transferred «CO/PBX call. name.
- 4. System data must be entered for incoming calls to be picked up on prime line.

# SAMPLE LED INDICATIONS

COUPBY | Steen PED minys infermiffourth

and ANS red LED's flash. CO/PBX or EXT

green LED lights. EXT ANS LED goes off. CO/PBX or

CO/PBX or EXT

and ANS red LED's flash.

green LED lights. CO/PBX or EXT

ANS LED goes off.

green LED lights. CO/PBX or EXT

ANS LED goes off.

All a Gall need TXE

SEPTEMBER, 1988 CHAPTER 4 MOTE: Bold characters are

ND-20292

### SAMPLE LCD INDICATIONS

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	9 2	
2	20	

BEPTEMBER, 1988

to be picked up on prime ine.

e. System data must be entered for incoming calls

3. CO CALL is the default trunk group name displayed when receiving a DITYANA, the line, DID or a transferred CO/PBX call. System or a transferred CO/PBX call.

d. An incoming DIT/ANA call into a busy extension with a call in progress:

Incoming DIT/ANA calls in to the busy extension.

. Life handset to respond.

NOTES: 1. Station users hear a DIT alert tone

whenever a DIT/ANA call rings in.

 Bold characters in the SAMPLE LCD INDICATION column are displayed for 5 seconds whenever a DIT/ANA call rings in.

The number in the DIT call display indicates the quantity of DIT/ANA calls waiting to be answered.

a Use handset terrespond

3. Placing a Call On Hold

a. Without an Incoming Call:

2. Answering (COVPBX, and DITIANA cells)

stored Depress HOLD key once for at 12 \*

iolichen på abseq qisjoret uniupen toppoke s Aksu s prepou spec qisjinë sedosuce (nardë k • Depress HOLD key twice for exclusive hold.

#### SAMPLE LED INDICATIONS

EXT green LED is lit.

COALBX or EXI Steen (SD)

COULBY OF EXA SLOGUTED HEAT

Assi FOR best EMA bas

COVERX OF EXIL

OALBX or EXL, Easter FED Bepro

CO/PBX green LED is lit steady.

CO/PBX green LED winks intermittently.

CO/PBX green LED winks intermittently.

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ND-20292

#### SAMPLE LCD INDICATIONS

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NOTE: Bold characters are displayed for 5 seconds.

9-00

3430-36783

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#### With an Incoming Call: ò

- Disti Trunk Queus Access Code \*1
- Josef v Long ORed. Whe appearate near bechold all of the trusks is that particular on extension line and receiving busy tone, · Depress ANS key for non-exclusive

#### Baiusa Panua T. &

· Depress HOLD key twice for exclusive hold

# broside Depress ANS key foue the tecril gen

of the call. When this happens, the user does not get artille out expense of costs and so the localists and NOTE: The Multiline Terminal placing a call on hold will be recalled on the line key after a predetermined time lapse. Depress the line key with fluttering LED or the ANS key and lift

handset to answer the hold recall.

Depress RECALL key at the end of the

#### 4. Abandoning A Call

- a. Using handset.
- · Restore handset.

#### SAMPLE LED INDICATIONS

CO/PBX green LED is lit steady.

red LED's flash. ANS EXT and

green LED winks intermittently. CO/PBX

green LED lights. EXT

ANS LED goes off.

green LED winks intermittently. CO/PBX

green LED lights. EXT

ANS LED goes off.

green LED flutters. Held CO/PBX

LED flashes. ANS CO/PBX | green LED lights.

ANS LED goes off.

green LED remains its EXT LED winks intermittently.

green LED is lit steady. CO/PBX

green LED goes off CO/PBX

3 · 4 6 137 FRI RI 137 FR1 0 3 : 1 6 FRI SAMPLE LCD INDICATIONS 2 8 F R I FR R 3 (± E 0 8 2 8 00 00 00 2 8 2 8 2 1 0 : 4 5 OCT 2 O S 2 1 0 : 4 5 OCT STEVE STEVE STEVE TEV OCT OCT OCT OCT OCT ELAPSED LAPSED ELAPSED S 4 5 4 5 4 5 1 0 : 4 5 0 : 4 5 4 5 CH Tr L K 1 6 1 0 0 0 0

Restore handset.

å,

b. Using Recall key

- · Depress RECALL key at the end of the
- and new outside dial tone is heard. CO/PBX call is released, line is retained

NOTE: Depending on the CO/PBX exchange the trunks are used, depression of the RECALL key might not release a call when on the receiving side of the call. When this happens, the user does not get new dial tone. When using LCR, the recall key Electra MarkII is connected to, when loop start provides internal (LCR) dial tone.

Depress HOLD key twice for exchasive

5. Trunk Queuing

- To set a Trunk Queue: After attempting to seize a CO/PBX trunk via dial access from an extension line and receiving busy tone, because all of the trunks in that particular group are busy, yes, for non-averaged œ
- Dial Trunk Queue Access Code \*1, receive confirmation tone Arry my presuming con
- Restore handset. •

COUPBX | River LED flows off

SAMPLE LED INDICATIONS

CO/PBX | green LED remains lit.

VM2 | LED Unspea

Held COIPBX | \$1800 LED BUILDERS

Ho soon (IEI) SMA EXT

EXT green LED is lit.

EXT | green LED lights

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SAMPLE LCD INDICATIONS

Ŀ 1 0 : 4 5 OCT 2 8 SET QUEUE

GF - 994

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SAMPLE LED INDICATIONS

EXT | green LED flutters and | ANS red LED flashes.

set becomes idle the station which set the queue

when it is also idle will receive a recall tone.

within the Trunk Group to which the queue was

Receiving Trunk Queue Recall:

þ.

When a trunk

EXT | green LED lights.

Depress flashing ANS key or EXT line

key, receive CO/PBX dial tone.

Dial desired number; receive ring back tone; wait for called party to respond.

onal lab svicter and reserve dial tone

goled Line key

Converse.

۰

COVERN Trunks in this Pooled Line are busy POOLED | red FED lights only if all other

SAMPLE LCD INDICATIONS

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-3	7	
	9	E
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LINE OCT

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公安教室中的中

Outhousing

Trunk Queue cancellation:

answered within a preprogrammed time A Trunk Queue will be automatically cancelled if the recall to the extension is not The lower number interval.

attempt to access any CO/PBX or Tie line via dial access from any extension, by the A Trunk Queue will be cancelled by any station which set the Trunk Queue.

NOTES: 1. Trunk Queuing cannot be accessed by a station that is assigned LCR. If this is attempted reorder tone will be heard. 2. Recall will not occur until the station that set the queue and it's primary extension are idle.

SESALVEBER" 1989

& Recell will not occur until the station that act the beens and it's printery extension are idle reorder tone will be heard.

gned LCR. If this is attempted 420.2 Pooled Line genius causer pe accessed ph s

SAMPLE LED INDICATIONS

Only Multiline Terminals that have pooled line appearances can use this function. NOTES: 1. When several Pooled Auto Extension 2. When all the Pooled Auto Extensions (PAE) lines are assigned in addition to the primary extension line, the PAE lines are seized in ascending line key order. The lower number extension line keys are seized first. The primary (including primary extension) are not idle, you cannot originate calls using the Pooled Line keys. extension is the last choice for PAE.

#### Originating

- Manual Dialing ë
- Depress an idle Pooled Line key.
- bone; wait for called party to respond Lift handset and receive dial tone.
- Dial desired number and receive ring

Disl desired mumber receive that bac

- and TXX to yes 200A guidest coargeQ back tone.
- Converse with called party.

PAE green LED lights.

CO/PBX trunks in this Pooled Line are busy. POOLED | red LED lights only if all other

EXT | Ereen LED Butters and | AMS

SVWEIR I'ED INDICVATIONS

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#### SAMPLE LCD INDICATIONS

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# ELAPSED 00:27

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dropped, and new outside dial tone is provided.

NOTE: If RECALL timer to set for bookflash to the

# b. Prime Line

This function can be used when Pooled Line key is set as the Prime Line by system programming.

- Lift handset and receive dial tone.
- Dial desired number and receive ring
   page back tone.
- Converse with called party.
   NOTES: 1. After lifting handset, the Pooled Line LED lights red if all other CO/PBX trunks in the Pooled Line are busy.
  - . If the Pooled Line LED is lit red and/or all PAEs are busy, busy tone will result.
- 2. Answering
- a. Manually Selecting Line:
- Depress Pooled Line key associated with flashing LED.
- Use handset to respond.
- \* Depress ANS key

B. Answer key

#### SAMPLE LED INDICATIONS

Maniamer CSL neety 3A9

PAE green LED lights.

POOLED red LEDs only if all other CO trunks in this Pooled Line are busy.

BVE Elocat PED HRp. (\* TED.\*

POOLED | snd | AMS | red | ED's flash.

POOLED and ANS red LEDs flash.

PAE green LED lights.

POOLED and ANS red LEDs go off if there is one or more idle CO/PBX trunks in the Pooled Line OR

ANS red LED goes off and POOLED red LED lights if all other CO/PBX trunks in the Pooled Line are busy.

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### SAMPLE LCD INDICATIONS

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	C		1	C
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0	177			
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				••
	0			0
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(C) H

SYMERE ICD INDICATIONS

CHYLES :

#### b. Answerkey

- Depress ANS key.
- Use handset to respond.

Prime line or Ringing line Preference o;

· Lift handset to respond.

system data must be entered for incoming calls to NOTE: This is not a default feature, therefore, be picked up on prime line.

- Abandoning a Call
- Using a handset 8
- · Restore handset.
- the Action Pilue by Raintin Using Recall key Ď,
- Depress RECALL key at the end of call.
- dropped, and new outside dial tone is provided. timing, the system sends a hookflash signal to the NOTE: If RECALL timer is set for hookflash CO/PBX call is released, line is not engaged CO/PBX line.

## SAMPLE LED INDICATIONS

POOLED and ANS red LED's flash,

PAE green LED lights. POOLED and ANS LED's go off.

POOLED and ANS red LED's flash.

POOLED and ANS LED's go off.

PAE green LED lights.

green LED goes off. green LED lights. PAE PAE

red LEDs only Wall other CO

vand and shirt beloof side

SAMPLE LED INDICATIONS PAE green LED remains lit.

## SAMPLE LCD INDICATIONS

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SAMPLE LCD INDICATIONS

wing Stable urne sprikussur (opps. than delang)

" Thatest beektouseing gays until be ourcied for

# SAMPLE LED INDICATIONS trogress places the original call on hold, with I hold

420.3 Tie Lines & DID the VM2 Kel mith s call in

EXT and ANS

Tie green LED lights.

Tie line and lift handset to receive dial

tone.

· Dial desired extension number within the distant system and receive ring back

e rione, se caretrator inc pel many traping

tone, dial desired number and receive

server and ringback tone.

Dial trunk access code to access distant

" www.CO/PBX dial tone, receive remote dial

off to evedanua noisastic of the ed

white Converse with called party. Cambon

· Depress an idle line key dedicated to a

a. Manual Dialing 168 with 1982 pile FED

1. Originating (for Tie lines only)

green LED lights. AMS LLED goes off. 7778

BXI and ANS red LEDs are flashing.

EXT | green LED lights.

· Depress an idle extension line key and

b. Dial Access On Extension Line

lift handset to receive dial tone.

- or 70~75) ,dial the desired extension Dial Tie line access code (Default: 8, 9, number. Receive ring back tone. •
- remote dial tone, dial desired number access distant CO dial tone and, receive Dial Tie Line access code (Default:8, 9, or 70~75). Dial trunk access code to and receive ringback tone.

EXT | green LED lights

Converse with called party.

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400 - 13

Converse with celled party.

c. Uniform Numbering Network Dialing:

Depress an idle extension line key and lift handset to receive dial tone.

Dial an extension number within the remote system and receive ringback tone. .

ned expension Converse with called party. NOTES: 1. Tie line LED lights red if seized trunk is also a line key appearance.

2. Last number redial, station speed dialing or system speed dialing can also be used to originate outside calls via Uniform Numbering Network.

3. Automatic Callback, Message Wait, Camp-On tone, dist desired number and receive etc. cannot be set to extension numbers of the remote system.

2. Answering z givy rous' keceike kettiefe qivi

a. Manually Selecting Line 995 to access queraut

LED gratuat sharam suq aecora und peca straper within Depress extension line key with flashing desired extension

Lift handset to respond.

b. Answer Key, and hig prengest to Lensing que didicates to a

Depress ANS key with flashing LED.

· Lift handset to respond.

NOTES: 1. Depression of the ANS key with a call in progress places the original call on hold, with I-hold LED indication. 2. System programming data must be entered for trunk group name assignment (other than default) to be displayed.

#### SAMPLE LED INDICATIONS

\$80-13

EXT green LED lights.

EXT and ANS red LEDs are flashing.

green LED lights. ANS LED goes off. EXT

EXT and ANS red LEDs are flashing.

green LED lights. ANS LED goes off. EXT

SVMSTE TED MAICVLIOME

7 0 0 0 0 2 8 F R I FRI 10:45 OCT 28 FRI SAMPLE LCD INDICATIONS L I NE T 28 2 EXT L 1 0 : 4 5 OCT 1 0 1 4 5 E 0

0 0 : 0 2 8 FRI 0 0 : 0 2 8 F R I I N E LINE FRI 2 8 LK16 TIE 10:45 OCT 28 72 田 O C T 10:45 OCT OCT ELAPSED 10:450 ELAPSED 10:45 L K 1 6

**ご紹子を表に除る** 

#### 3. Abandoning

a. Using Handset:

With call on Tie line in progress.

Restore handset

## SAMPLE LED INDICATIONS

green LED lights steady. EXT

EXT LED goes off.

Tie line | Tie | green LED lights steady. With a Tie line call in progress on a line key

Tie line | Tie | LED remains lit.

completed, the connection is released, the

Tie line is retained and new Tie line dial tone is received (depending on system

programming).

Depress RECALL key when call is

assigned as a Tie line.

b. Using Recall Key:

Primary EXT green LED lights steady With a Tie line or DID call in progress on an

Primary EXT | LED goes off. · Depress RECALL key when call is

completed the connection is released and new internal dial tone is received

Conference

extension line key.

(depending on system programming).

Depress the RECALL key before the call

green LED lights steady. Tie line Tie

the Tie line is retained and new Tie line

dial tone is received (applies to Tie lines

only).

is completed, the connection is released,

Tie line Tie LED goes off.

Primary EXT green LED remains lit. TED INDICATIONS

#### CHAPTER 4 SEPTEMBER, 1988

ND-20292

#### SAMPLE LCD INDICATIONS

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400 - 15

· Other party abandons call; reorder tone

is heard.

a. Connection on direct Tie line key:

With call on Tie line in progress:

4. Abandoning by Distant Party

Other party abandons call, recider tens

With call on Tie line in pregress:

4. Abandoning by Distant Party

- b. Call On Extension line key:
- With call on Tie or DID line in progress:
- Other party abandons call; reorder tone is heard.
- Restore handset.

(depending on system programming)

Depress RECALL key when call is new internal dist tens is received

5. Hold, Transfer, Conference:

Crevator itte esk

Station operations for these features are the same as those for regular CO/PBX lines.

buokrammal.

NOTE: Calls on Tie lines cannot be placed on hold unless the call is already established.

b. Uning Recall Key:
With a The line call in progress on a line key
assigned as a The line.

destroy pardeet.

ner can on return to beautier

S. Abandoning

Primary EXT green LED remain

400-15

SAMPLE LED INDICATIONS

EXT green LED lights steady.

EXT green LED remains lit.

EXT LED goes off.

Bosson GEL LED graming

brary EXT green LED Hghts steady

Hariamer Chal self salls

chaste sityHGG,Losery siT equi off

EXT LED Soos off.

T. C. MICKETTED WERE STREET

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I O TEMBER, 1988

SAMPLE LCD INDICATIONS

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10:45 OCT 28 FRI

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CHVELES

ND-20292 CHAPTER 4 SEPTEMBER, 1988

> 420.4 Extension (Internal) Calls Sectionsry.

1. Originating

a. Manual Dialing And Companies Locustories

Depress an idle extension-line key.

· Lift handset and receive dial tone.

number; receive ring back tone, voice Dial extension number or Hunt pilot page tone, or forward alert tone.

Converse with called extension.

NOTES: 1. When a called station is programmed for Voice, a caller can voice announce or dial 1 to change to tone signalling. Calls placed to a Hunt Pilot will always provide tone signalling.

2. When a called station is programmed for tone, a caller must wait for the called station to answer.

b. Using DSS Key

Depress an idle extension line key.

• Lift handset and receive dial tone.

amp field indicators for their corresponding DSS

desired station or Hunt pilot number. Depress DSS key programmed to call the NOTES: I. Extensions can be called by depressing Road COCC a

Converse with called extension.

NOTE: When the Station Hunt pilot number is registered on the DSS key, LED does not light.

SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

EXT | green LED lights.

EXT | green LED lighter

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EXT

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S TEVE

EXT green LED lights.

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2 8 F R STEVE 450CT 1 0 :

400 - 17

14 TOTEL When the Station Hunt pilot settinger is stigit son and OS. 1 year 220 added because by

NOTES: 1. Extensions can be called by depressing a DSS key that has been programmed with the corresponding extension number.

2. The LED's (next to the DSS keys) serve as busy keys. This feature is available on ETE-16D-( ) amp field indicators for their corresponding DSS Multiline Terminals only.

3. Built-in BLF LED's on the Multiline Terminals Ext. & Secor TED REPORT are only red LED's.

4. For BLF LED flashing patterns, see Table 200-13 in Section 220 of this manual.

ot. A. Prime Line. thange to total signalling. Oath placed to a fluid and will always provide lone alguelling.

When prime line assignment is for an extension line, the following sequence can be made: · Lift handset and receive internal dial tone.

EXT green LED lights.

 Use any of the dialing methods described here.

Boss/Secretary ring (Multiline Terminals nepuses so joic expension, the perwith DSS key only). TO.

can be used to place an internal call to Boss or ring followed by extension number, this DSS key When a DSS key is programmed for Boss/Secretary Secretary.

SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

JULY, 1988

### SAMPLE LED INDICATIONS

green LED lights.

EXT

- Depress an idle extension line key.
- Lift handset to receive dial tone.
- Depress the DSS key programmed for Boss/Secretary ring.

DSS LED lights.

Voice Page is heard at called Multiline Terminal

EXT green LED-winks intermittently.

green figh is he steady

- Dial 1.
- · Boss/Secretary ring tone rings at the called Multiline Terminal. Progra
  - Use handset to talk when answered.

NOTE: When depressing the DSS key, make sure that the associated LED is office and kinkink line

Step Calling:

After calling an extension and receiving Busy Tone or Call Waiting Tone.

- Dial 2; Voice Page or, if Ring Back Tone ren age is heard, wait for called party to answer.
  - See See (Example: Step call to extension 112) of AMS key with call in
    - · Converse.
- Station Hunting

Hunt pilot numbers are specified by the operation is the same as Manual Dialing, system in programming (Max: 8 groups). This using a DSS key or Prime Line operation.

- 2. Answering
- a. Manually Selecting Line.
- · Depress extension line key associated with flashing LED.
- Use handset to respond.

EXT green LED lit.

and AMS red LED's fast.

EXT and ANS red LED's flash.

green LED lights. EXT

LED goes off. ANS 400 - 19

### SAMPLE LCD INDICATIONS

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R 2 L K 1 6 S T E V E 1 0 : 4 5 O C T

榆

OHJ prickstrikity

Dapress extension line key asserbed Manually Selecting Line

**Vasheusus** 

b. Answer Key on Litture lyine obelaction

 Depress ANSkey, (Wight & Stoobs) Livid Hunt pilot numbers are specified by the

Use handset to respond.

LED indication and way for cappy barry to such at NOTE: Depression of ANS key with call in progress places original call on hold, with I-hold

c. Prime Line or Ringing Line Preference

V. Lift handset to respond of seconds greet

breference, yet tessive me pg2 kel tuste ante NOTE: System data is required for incoming calls to be picked up by prime line and ringing line

3. Placing a Call On Hold With a Call in Progress

With No Incoming Call Stone Stone EXT | green LED is lit steady. ä

TOTAL T

• Depress HOLD key once for non-exclusive hold. Depress the 10K key programmed for

Depress HOLD key twice for exclusive see on ide extension line key. hold.

EXT green LED winks intermittently.

EXT | green LED winks intermittently.

ND-20292 CHAPTER 4

SEPTEMBER, 1988 V(8) T(8)

SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

green LED lights.

The BHOW GRA Off

EXT and ANS red LED's flash.

EXT green LED lights.

ANS LED goes off.

137 FRI 00 2 STEVE 5 OCT 0 : 4 5 L K 1 6

1 3 7 F R I 2 8 OCT STEV 1 0 : 4 5

400 - 20

2MA segrept to Maser a relias grimosni Depress the line key receiving an

b. Receiving an Incoming Call

Tene, COPEX Bing tone, Recall Tone, or Dual operation, the Multiline Terminal does not receive

 Depress ANS key for non-exclusive obsastron hold.

S. Any methods da.OKbed in Section 426 I and seriebnish yaw-dipd list for best beat along \$.000 MOLES I WHIS MACHINIMIC IED PAIN

Depress HOLD key twice for exclusive

Depress ANS key.

automatically released even if the held party abandons the call during the hold condition. Both NOTE: Any internal call placed on hold is not stations must be off-hook to place the call on hold.

Regarding hold recalls, see item 3, Section 420.1 of this chapter.

ed with HFU-E units 4. Abandoning a Call

Restore handset. (20.5 Handsfree Call

OR

Depress RECALL key to place another

SAMPLE LED INDICATIONS

EXT | green LED is lit steady.

CO/PBX and ANS red LED's flash.

EXT | green LED winks intermittently.

CO/PBX green LED lights.

ANS LED goes off.

EXT | green LED winks intermittently.

CO/PBX green LED lights.

ANS LED goes off.

SEKE | PRD II Sure

EXT | green LED is lit steady.

EXT | green LED goes off.

EXT green LED remains lit

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SAMPLE LCD INDICATIONS

: 0 3 F R I G. 000 OCT E L A P S E D 1 0 : 4 5 0

2 8 F R OCTO : 4 5 2 L K 1 1 0

E L A P S E D 0 0 0 : 0 3 1 0 : 4 5 0 C T 2 8 F R I

400-21

.H. znismer G&L avera TXB

SAMPLE LED INDICATIONS

Depress RECALL key to place another

in the

Meatone pandaet

420.5 Handsfree Call

Multiline Terminals equipped with HFU-E units provides full both-way handsfree operation.

EXT | green LED is itt steady

#### 1. Originating

Depress an extension line key or a CO/PBX line key.

 Depress SPKR key and receive dial tone.

- Dial desired number or depress DSS key programmed for Station Speed Dial.
- · Converse with party when answered.

NOTES: 1. Make sure that MIC LED is lit.

2. Any methods described in Section 420.1 and 420.2 can be used for full both-way handsfree operation.

3. When a call is in progress using handsfree operation, the Multiline Terminal does not receive Boss/Secretary Alert and Ring tone (Internal Ring Tone, CO/PBX Ring tone, Recall Tone, or Dual Path Calls).

deceiving an incoming Call

2. Answering

Depress the line key receiving an incoming call or a recall, or depress ANS

SPKR LED lights.

COVPBX green LED lights.

EXT green LED winks intermittently.

EXT green LED winks intermittently.

COPBX green LED lights.

COLDBY and VMB Led PED, a tigath

EXT and ANS red LED's flash.

SPKR LED is lit.

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SAMPLE LCD INDICATIONS

1 0 : 4 5 OCT 2 8 FR I

1 0 : 4 5 0 C T 2 8 F R I

E L A P S E D 1 0 : 4 5 O C T

LKI6 STEVE 137 10:45 OCT 28 FRI SELLENBER 1988 CHVLLFE 4 MD-2088

Mustle clean saub dille alanime Tentilitata deve a call in progress using the handast.

blunde dang hend die with dual path should and brottsmined for voice bette not ring

Depress SPKR key.

Book path seeignment must be programmed

2. Depression of ANS key with call in progress places original call on hold, with I-hold indication. NOTES: 1. Make sure that MIC LED is lit.

3. Placing a Call On Hold S. 16K. I Multiline Terminals equipped

See Section 420.1, item 3. and 420.2, item 3. of this chapter. elinian externation call

NOTES I. Calling party originates a dual path 4. Abandoning a Call grance surance purch

a. Using SPKR key. green poore

extension call on primary extension line

Depress SPKR key

CO/PBX and SPKR LED's go off.

COABBY | Steen PED is hit steeds

b. Using Recall key.

 Depress RECALL key at the end of the 120.6 Dangallary Call The call is released and new dial tone is heard. NOTE: When LCR is used, the recall will provide internal dial tone.

#### SAMPLE LED INDICATIONS

green LED lights. EXT

SPKR | LED lights.

ANS LED goes off.

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#### SAMPLE LCD INDICATIONS

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: 4 FR 2 8 OCT ELAPSED 1 0 : 4 5

CO/PBX green LED is lit steady.

SPKR LED is lit steady.

传 妈姻们

颇岩

CHABITER

400 - 23

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acod faib factour

MOTE: When LCR is used, the rucell will provide

heard.

The call is released and new dial tone is

#### 420.6 Dual Path Call

- 1. With call in progress on a line key other than primary extension line key, using handset
- extension call on primary extension line A Multiline Terminal equipped with a DPA-E unit receives an incoming and voice page alert tone.
- Respond with handsfree answer back.

2. For Multiline Terminals to receive dual path NOTES 1. Calling party originates a dual path call, the following conditions are required: call as a regular extension call.

- Available to ETE-6D-( ), ETE-16D-( ) and ETE-16K-1 Multiline Terminals equipped with DPA-E units. - Multiline Terminals with DPA-E units must be supported by ESI-EB ETU(s).

- Dual path assignment must be programmed by system data.
- Multilline Terminals with dual path should be programmed for voice page, not ring assignment.
- Multiline Terminals with dual path should have a call in progress using the handset.

#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

CO/PBX | green LED is lit steady.

4

2 8

OCT

ELAPSED : 4 5

> SERVE | FED to HIS erosedy Primary EXT and ANS LEDs flash.

400 - 24

SAMPLE LED INDICATIONS

not be in DND, OFF-LINE or LOCKOUT - Multiline Terminals with dual path should MC mode, neuraleast franklanes calle will necell

3. Going Off-Hook and seizing a line key while receiving voice page on primary path makes the voice page call shift to secondary path.

This ring call remains the same, even when the called Multiline Terminal resumes the 4. Depressing the SPKR key and a line key while (Calling party hears ring back tone, but called Multiline Terminal does not receive ring tone). receiving voice page, call shifts to ring mode. conversation through the handset.

With call in progress on a primary extension line key, using handset. S

a DPA-E unit receives voice page · A Multiline Terminal equipped with after alert tone. Respond with handsfree answer back.

1. Using TransOR Rev

automatically places the first party on Consultation Hold and answers the new calling (Voice Page) party. 430'1 LEW Depressing the ANS key

200

red LED lights.

and LED lights PWA

green LED lights. Primary EXT

LED flashes. ANS CONFEX

ANS LED lights.

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#### SAMPLE LCD INDICATIONS

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41

SYMETE I'CD TABLEVILOAR

SEPTIMBER, SHE M.D. SINGEL SEPTEMBER, 1988

SAMPLE LED INDICATIONS automatically piaces the first party on Consultation Hold and answers the new calling (Voice Page) party.

420.7 Transfer Discense the Wing goal

WMB | LED Hears

1. Using Transfer Key

With call in progress: Pendelles Suswell Pack

· Depress TRF key, receive second dial tone Malicipa Terminal advopped with

CO/PBX | green LED is lit steady.

 When ring back tone is heard, depress TRF key or restore handset. (Transfer When call waiting tone is heard, restore 2. Count extension) and serving a gras well against is completed when party answers). (Calling party bears ringOKek tone, but celled (Original call is camped-on to busy call spills to the mode second ting tone handset or depress TRF key ion weed fariantel ancillold

the transfer after the recall time interval has NOTE: Unanswered transferred calls will recall to the primary extension of the user who initiated elapsed.

ANS LED lights.

CO/PBX | red LED lights.

ANS LED goes off.

CO/PBX | red LED lights.

ANS | LED goes off.

#### SAMPLE LCD INDICATIONS

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2 8

· Return to first party.

e Depress ANS key.

Receive busy tone or no answer.

- 2. Using DSS Keyen phydamed returner:

  \* pebtese LSE Per and givi may scc623
  With call in progress:
  - e With tall in progress:
- Depress DSS key programmed to call the desired extension number.

guy moze bedestunges shitted to voice strugs quyer announcement is made, restore handset, degrand (Transfer is completed when party a pear COLDY answers), not pays effect when party a pear of the pays of successing the second capes by the grand of the pays of successing the strugger work is standard to a Lie pay will not rape effect the strugger of the pay of the pays of the strugger work is conserved.

A When call waiting tone is heard, restore handset or depress TRF key. (Original call is camped on to busy extension).

Toughted gray sompet. graceive tingpack or glace gray sompet. graceive tingpack fragering but gray an appearant gray of the gr

Dial trunk access code (8, 9, 70-75 as set

with only in progress; receive second dist

nelanarl #merit or struct 8.02k

AMS LED Speed off.

#### SAMPLE LED INDICATIONS

CO/PBX green LED is lit steady.

DSS and ANS LED's light.

CO/PBX red LED lights.

ANS LED goes off.

CO/PBX red LED lights.

ANS LED goes off.

VA2 LED HEPE

COURBACTIONDINEAL BLOOD TED in his eyestly

VALUE FED INDICATIONS

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SAMPLE LCD INDICATIONS

E L A P S E D 0 4 : 1 7 1 0 : 4 5 0 C T 2 8 F R I

10:45 OCT 28 FRI

C A L L W A I T I N G 1 3 7 1 0 : 4 5 O C T 2 8 F R I C A M P O N - 1 3 7 1 0 : 4 5 O C T 2 8 F R I

SOUTTADION SOL ACTIONS

SEPTANDERS SPECIAL SPE

#### Trunk to Trunk Transfer 420.8

- 1. With call in progress:
- Depress TRF key; receive second dial tone (original call is placed on hold).
- Dial trunk access code (8, 9, 70~75 as set or Speed dial number. Receive ringback tone and wait for called party to answer. Uniform Numbering Network number, in default) and desired number,
- When party answers, depress TRF key and restore handset. Present tegrate

The apog CEL | BWA 2. Transfers to a Tie line will not take effect if the (default) has elapsed after the last digit has been Transfers to a CO/PBX line will not take effect until 18 seconds NOTES: 1. CO/PBX/Tie LED lights red if seized trunk is also a line key appearance at the station. called party does not answer.

3. Both trunks must provide disconnect signals and must be programmed appropriately in system data.

2. When second trunk is a CO/PBX line and the called station is busy or unattended.

- With call in progress:
- · Depress TRF key and dial trunk access . code fullowed by desired number.

Receive busy tone or no answer.

- Depress ANS key.
- · Return to first party.

#### SAMPLE LED INDICATIONS

CO/PBX/Tie/DID/EXT green LED is lit steady.

ANS LED lights.

LED goes off. ANS

The abon Cliff.

CO/PBX/Fie/DID/EXT green LED is lit steady.

NERY | Steep PED is 11; steady ANS LED lights.

ANS LED goes off.

#### SAMPLE LCD INDICATIONS

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ro.	8 0	T 2 8	T 2 8	C T 2 8	C T 2 8	E D 0 5	PSED 05 450CT 28	**	E
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HD-Metal

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#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

3. When second trunk is a Tie line and the called station is busy or unattended.

With call in progress:

 Depress TRF key and dial trunk access code followed by desired number.

Receive busy tone or no answer.

Depress ANS key. BUTTON

depression of OME key is ignored and orror tone Return to first party.

MOTEST. When all contenence circuits are bear,

SCONFIXCIPATIONS INST S CONFIRMINATION HINES northia I

I CONFRACTION HOS 3 stations

CO/PBX/Tie/DID/EXT | green LED is lit steady.

ANS LED lights.

ANS LED goes off.

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CHYLLEST BEDTENNERS, INCH

#### 420.9 Conference

Possible conferences are as follows:

No CO/PBX/Tie/DID lines 4 stations

- No CO/PBX/Tie/DID lines 3 stations

- 1 CO/PBX/Tie/DID line 3 stations

- 1 CO/PBX/Tie/DID line

2 CO/PBX/Tie/DID lines

- 2 CO/PBX/Tie/DID lines 2 stations 2 stations 1 station

No additional conferences can be made at this CNF LED will light on all Multiline Terminals. NOTES: 1. When all conference circuits are busy, time.

depression of CNF key is ignored and error tone 2. With four party conference call in progress, burst is heard.

3. Conference calls can be transferred using the AMS ROY following operation:

AMS FED goes off

With three party conference in progress:

Depress CNF key; LED flashes.

Dial desired extension number and wait for called party to answer.

 Converse with called party, and depress conference, CNF LED steadily lights. CNF key to establish four party

green LED is it steady

SAMELE LED INDICATIONS

400 - 30

CHYBARE

406 - 22

· Restore handset to drop from the p Caros conference. Four party conference calls cannot be transferred.

1. Three Party Conference

a. Using One Line Key:

· With first call in progress, depress CNF Originale appoinser call and wait for when to receive second dial tone.

 Originate second call and wait for called party to answer.

With a 3 party conference in progress, Depress CNF key and establish a 3

depress CMF key to receive second dist

S. Pour Perty Conference \* party conference.

b. Using Two Line Keys:

medicas Cara Yea engelegopiesus 3

 With first call in progress, depress CNF key.

second call, then wait for called party to Depress another line key and originate answer. •

SAMPLE LED INDICATIONS

green LED is lit steady.

LED goes off.

EXT green LED is lit steady.

CNF LED flashes

ANS LED lights.

CME | LED flasher TED REPRES DIK A

ANS LED goes off. CNF LED lights.

green LED is lit steady. EXT

CNF LED flashes.

ANS LED lights.

Another | EXT | green LED lights.

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SAMPLE LCD INDICATIONS

2 : 3 5 FRI 2 8 L E L A P S E D I 0 : 4 5 0 C

FRI

2 8

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4 5

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00 0 -2 8 F R I 1 3 F R  $\infty$ 23 CONFERENCE 10:450CT A 5 OCT 1 0

FR T LINE OCT 28 1 0 : 4 5 O

second call, then weit for called party to Depress another line key and originate 檢

green LED lights Another

### SAMPLE LED INDICATIONS

CNF Mid: Etal call in brokiesa, eablesa Depress CNF key and establish a 3 party conference.

b. Using Two Line Keys:

Thank bit bit Steady

ANS LED goes off.

LED lights.

2. Four Party Conference

a. Using One Line Key:

\* Depress Chir key and establish a 3

depress CNF key to receive second dial With a 3 party conference in progress, tonelly fourthe

e Originate accond call and wait for called

. With first call in progress, depress CMF Originate another call and wait for called party to answer.

Using One Line Key;

 Depress CNF key and establish a 4 party conference. Four parky conference calls cannot be

b. Using Two Line Keys.

b.1 With 3 party conference in progress using one line key.

EXT green LED is lit steady. LED is lit steady. CNE

LED flashes. CNF

ANS LED lights.

WAR | LED HAVE

CME

green LED is lit steady

CNF | LED lights steady.

ANS LED goes off.

EXT green LED is lit steady.

CNF LED is lit steady.

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SAMPLE LCD INDICATIONS

CONFERENCE 05:17 10:45 OCT 28 FRI 1 3 4 F R I FRI CONFERENCE 450CT 28 2 8 JOHN : 4 5 : 4 5 0

2 8 F R I 1 0 : 4 5 OCT

E 0 5 : 1 7 2 8 F R CONFERENCE 10:450CT BEFTERRES, 1888 \$415-\$9450.E CHVSLER

ND-20292

SEPTEMBER, 1988 CHAPTER4

. With conference call in progress:

" & Placing a Conference Cail on Hold

- Depress CNF key and depress another line key.
  - Degrees CNF key and catablish a 4

Amother | EXT | green LED lights

LED lights steady. CNF

ANS LED goes off.

Two EXT green LED's are lit steady.

CNF LED is lit steady. Why were HERESON

CNF LED flashes

ANS LED lights.

LEO lights steady CAR

SAMPLE LED INDICATIONS

LED lights. ANS

CNF LED flashes

Another | EXT | green LED lights.

Originate another call and wait for called party to answer.

personal tree is sud ongine is another call. Wait for called party to

ò

· Depress CNF key and establish a 4

party conference.

b.2 With 3 party conference in progress using two line keys.

a With a 2 barry contenence in progress

 Depress CNF key to receive second dial tone.

Depress CMF stoy and setablish a 倍

Originate another call and wait for

called party to answer.

SAMPLE LCD INDICATIONS

CONFERENCE 05 : 37

No seeks

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#### called party to answer.

Originate another call and wait for

- Depress CNF key and establish a 4 party conference.
- Depress CMF key to receive second dist

CME

- c. Using Three Line Keys:
- P.S. Arrip & baneh convence in brackese name · With a 3 party conference in progress using two line keys.
- Depress CNF key.
- \* Depress CME hey and establish a
- · Depress another line key and originate another call. Wait for called party to answer.

Originate enether call and war for

- Delaisse CMF key and delasse enother Depress CNF key and establish a 4 party conference.
- 3. Placing a Conference Call on Hold
- With conference call in progress:

#### SAMPLE LED INDICATIONS

LED lights steady. ANS LED goes off. CNF

Two CO/PBX green LED's are lit steady. CNF LED is lit steady and Hr ereng

ANS LED lights. CNF | LED flashes

Another | EXT | green LED lights.

LED goes off. ANS

CNF LED lights steady.

Two | CO/PBX | green LED's are lit steady. CNF LED is lit steady.

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460-35

#### SAMPLE LED INDICATIONS

LED flashes

CNF

LED lights.

ANS

Depress HOLD key and hang up.

LED's associated with the line keys involved show I-Hold (Exclusive hold) indication.

line keys is placed on hold, it splits into individually exclusive held line key. If any line key contains more than one party, only this case, a conference circuit is reserved to reenter the NOTE: When a conference call using multiple conference and the parties on the line key can still talk to each other. Other than this case, the conference circuit is released.

- 4. Abandoning a Conference Call
- a. Dropping from Conference (more than one internal station).
- With conference call in progress.

EXT | green LED is lit steady.

CNF | LED is lit steady.

LED's are Ht stondy EXT and CNF LED's go off. COMPRX If another internal station was in the conference,

the station will continue to converse normally.

gainebasda, d

Restore handset.

SAMPLE LCD INDICATIONS

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RI C+ 2 8 OCT 1 0 : 4 5

G. CONFERENCE 45 OCT 28 1 0 : 4 5

SYMPER POD INDICYLIONS

CHUYSARSH

SARE REPRESENTANTES

400 - 35

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 With conference call in progress Handher totane

b. Abandoning

- Pesbore hendeet.
- Restore handset

CNF LED is lit steady.

KXT Stoom I'ED is hit stouck,

## SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

EXT and CO/PBX LED's are lit steady.

LED's go off EXT and CNF LED's go off.

. With conference call in progress

# 

2 8 F R

CONFERENCE 10:45 OCT

4. Abandoning a Conference Call

ed and other Other than this case, the and reduce corcuit is reserved to receiver the one gays as placed on hold, it spills into sey wontends more than one party, only this case, a ndividually audiosive held line key. If any line MOTE When a conference call using multiple His nan yay san of the parties on the ins key can still

beviever ave and soil six betainess & This steem + Hold (Exclusive hold) indication.

a Debuse HOLD Keh suques no

SAMELE PED INDICATIONS

400 - 36

CHVSLEES REPLINER WIT 1882

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# 420.10 Unsupervised Conference

#### 1. To Establish

With a three party conference including two CO/PBX parties in progress using an extension line key:

- Depress HOLD key; Two CO/PBX parties can still talk to each other.
- · Hang up.
- 2. To Re-enter the Conference
- Depress the held extension line key.

Restore bandest.

Lift handset to reenter the conference.

# 3. To Answer Conference Recall

After predetermined time since an unsupervised conference is established.

 The Multiline Terminal is recalled on the extension line key. Depress the line key or ANS key.

### SAMPLE LED INDICATIONS

EXT green LED is lit steady.

CNF LED is lit steady.

EXT green LED winks intermittently.

CNF LED remains lit steady.

EXT green LED winks intermittently.

CNF LED remains lit steady.

EXT green LED lights.

CAR PED 18 Hr steady

EXT green LED flutters.

ANS LED flashes

CNF LED is lit steady.

### SAMPLE LCD INDICATIONS

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SVRETE FOR INDICATIONS



400 - 37

green LED lights. EXT

· Lift handset or depress SPKR key to

answer the conference recall.

4. Abandoning a Conference

conference recall:

ANS LED goes off.

EXT After reentering the conference or answering the

green LED is lit steady.

CNF | LED is lit steady.

EXT and | CNF | LED's go off.

tall bandast to resoler the confession

Restore handset.

Green LED winks intermit

Depress the held extension line key

To Re-enter the Conference

Ĭo.

House nb.

ės.

LED remains lit steady

green LED winks internalitiently

Depress HOLD key: Two COVPBX

40

BOR KEY:

OME LED IS HERMAN.

COMPRX parties in progress using an extension

With a three party conference including two

430.10 Unsupervised Conference

green LED to Hyakeady.

SYMEL'E I'ED INDICYLIONE

## SAMPLE LCD INDICATIONS

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COMMERCEMENT STATES

SVMLITE I'CO INDICYLLOUS

CHYSLERA

420.11 Internal Zone Paging

1. To Originate:

· Depress an idle extension line key.

EXT | green LED lights.

· Lift handset.

· Dial access code.

Default values are as follows: (Last digit of each access code is fixed).

550 cht All Call year brofirstnuss pot ruis

551 - Zone 1

552 - Zone 2

553 - Zone 3

Tall Zones

 Depress DSS key programmed for one of these access codes.

Use handset to page.

Depress an idle extension line key.

gnigaq odi as snor sons odi ni ed taum nollate. NOTE: To use meet me answer leature, the paged

2. To Answer (Meet-me):

angil Gal nests TXE

CHAPTER 4 SEPTEMBER, 1988

ND-20292

#### SAMPLE LCD INDICATIONS

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SEPTEMBER, 3958 のおかりの出版は当

2. To Answer (Meet-me):

NOTE: To use meet-me answer feature, the paged station must be in the same zone as the paging station.

Depress an idle extension line key.

EXT | green LED lights.

- · Lift handset.

- · Dial access code.

(Default value is 556. Last digit of the access code is fixed) 204 - vg goues

222 - Nous 3 OR

 Depress DSS key programmed for this access code.

Converse with paging party on handset.

- a lyrer erressa code
- . Depress an idle extension line key.

EXT Steer LED tights

## SAMPLE LCD INDICATIONS

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SEPTEMBER, 1988

# SAMPLE LED INDICATIONS 420.12 External Zone Paging

#### 1. To Originate:

Depress an idle extension line key.

EXT green LED lights.

- · Lift handset.
- · Dial access code.

Default values are as follows: (Last digit of each access code is fixed).

561 - Zone 1

562 - Zone 2

563 - Zone 3 564 - All Zones

OR

- Depress DSS key programmed for one of these access codes.
- Use handset to page.
- 2. To Answer (Meet-me):
- · Depress an idle extension line key.
  - Lift handset. Detrop agine is pee

EXT green LED lights.

ND-20292 SEPTEMBER, 1988 CHAPTER4

#### SAMPLE LCD INDICATIONS

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SEPTEMBER, 1988 CHAPTER 4

# SAMPLE LCD INDICATIONS E

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SYMEL'E I'CD INDICY,GONS

SEPTEMBER, 1988

CHAPTER

SAMPLE LED INDICATIONS

Last digit of the access code is fixed).

Dial access code (Default value is 566.

EXT | green LED lights

 Depress DSS key programmed for this access code.

one participation balls

Converse with paging party on handset.

To any toll beginnergout you had accorded to

All Sones 20000

deservit values are as follows: (Leaf eight of each access code is fixed).

Dist secons code.

e laprees an vole extension the key,

L.To Originate:

420.12 External Lone Paging

400 - 42

arremett tiete?

Depression of AMS key places first call on

# 420.13 Consultation Hold (Broker's Call)

The status of consultation hold comes about during the process of transfer, conference or broker's call. ANS LED steadily lights on any Multiline Terminal having consultation hold:

When a station having consultation hold goes onhook, the station will be immediately recalled.

#### 1. Transfer or Conference

With call in progress: perg and lateral to gree

 Depress TRF or CNF key; first party goes on consultation hold - receive second dial tone.

- Dial a station number.
- Consult with second party when answered.
- Depress RECALL key to disconnect second party and ANS key to return to first party.

OF

Broker's Call

 Depress TRF key or hang up to complete transfer, or depress CNF key to establish a conference.

#### SAMPLE LED INDICATIONS

ybaste singli Gall BMA

WHE LED BREEFING

EXT green LED is Ht ateady

EXT green LED is lit steady.

CNF LED flashes

ANS LED lights.

VAR LEDHSH

CNF and ANS LED's go off.

CNF LED lights steady.

ANS LED goes off.

ND-20292 CHAPTER4 SEPTEMBER, 1988

## SAMPLE LCD INDICATIONS

ELAPSED 03:18

ELAPSED 03:48 10:450CT 28FRI

SYMPLE I'GD INDICYLIONS

ND-20292 CHAPTER 4 SEPTEMBER, 1988

> The Room CEL | SWA bransfer, or depress CMF key to

catabilish a conference.

SAMPLE LED INDICATIONS Depress TRF key or bong up to complete

2. Broker's Call

a. Originating:

of mudan of YSKey to return to With call in progress; Try real to discounsed

Depress TRF key; first party goes on consultation hold.

Receive second dial tone.

Dial a station number.

answered THE of CME FEATURE PRICE Consult with second party when

Depress ANS key to place second party on consultation hold and return to first party.

J. Transfer or Conference

b. Answering:

no eson blod noitethrenon will be immediately recalled With call in progress:

Thick inclination gained bearing?

 The Multiline Terminal receives campkey to answer the camped on call or tone overridden call. on or tone override, then depress ANS The sta

Depression of ANS key places first call on consultation hold.)

YMR | FED, 8 So our green LED is lit steady. EXT CME

ANS LED lights.

TED HAPPER

| Green LED is lit steady.

EXT | green LED is lit steady.

ANS LED flashes

ANS | LED lights steady.

SAMPLE LCD INDICATIONS

2 8 F R I E L A P S E D 1 0 : 4 5 O CT

1 3 1 F R I 1 3 1 F R I 2 8 CAMPONEXT 10:450CT 28 JOHN 1 0 : 4 5 BEELEWHER THE CHYLLERA CHEST WAR

Restore handset

party on consultation hold and return to · Depress ANS key again to place second first party; | 10 8 gas acce to suridis NOTE: In the preceding cases (a. and b.), the connection between the first and second successive depression of the ANS key alternates parties. Rike Call Sank Pocerios Knupet, queled

receive confirmation tone.

Dist Call Park Location Number (0-3)

Dial Call Park Access Code (Default 4+)

noise (call is placed on Consultation ø

LTo Park a Call:

430 14 Call Surk

## SAMPLE LED INDICATIONS

EXT LED gees out. AMS LED goes out.

COURBALL

BMA Lynidash

OF EXT | Steen PED

EXT | LED goes out | AMS | LED goes out.

RESA

or EXT Steen PED HE

SYMETE TED INDICYLIONS

SEPTEMBER, 1988

ND-20292 CHAPTER 4

SAMPLE LCD INDICATIONS

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DICITION AND

CHATLANDER SEPTEMBER ENGLISH

#### 420.14 Call Park

#### 1. To Park a Call:

#### With call in progress

- Depress TRF key, receive feature dial tone (call is placed on Consultation Hold).
- or depress DSS key programmed for this Dial Call Park Access Code (Default 4\*) access code.
- Dial Call Park Location Number (0~9), receive confirmation tone.

(1.d bas al sees goding cases (a and b.), pe con is Busy (Busy Tone Received); and second andernation of the AMA set to adiabation selected If the Call Park Location Number dialed 

- call park location by consecutively dialing one digit until you receive · Use step calling to advance to an idle confirmation tone.
- Restore handset

#### SAMPLE LED INDICATIONS

CO/PBX/Tie or EXT green LED lit. or EXT green LED flashing (I-hold). ANS | red LED lit. CO/PBX/Tie

EXT | LED goes out. | ANS | LED goes out. CO/PBX/Tie | red LED lit or

CO/PBX/Tie | or | EXT | green LED red LED lit. flashing. ANS

EXT | LED goes out. | ANS | LED goes out. red LED lit or CO/PBX/Tie

EXT LED goes out. MONEY LOVE

## SAMPLE LCD INDICATIONS

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CHARLERS

CHAPTER 4 SEPTEMBER, 1988

#### 2. To Park a conference Call

parked. 2. The parties on Park Hold can talk to each other. NOTES: 1. A four (4) party conference cannot be

## With conference call in progress:

- dial tone, abou sharem haskesumpus Depress TRF key and receive feature
- Dial access code (Default: 4\*) or depress DSS key programmed for this access
- Dial Call Park location number (0~9) receive confirmation tone.
- Restore handset

#### 3. Retrieving a Call from Park:

- Seize an Extension line and lift handset, receive dial tone.
- Dial Call Park Access Code (Default 4\*).
- Dial Call Park Location number (0~9) of the call to be retrieved; converse.

programmed interval will recall on the primary extension of the station which parked the call. This recall can be picked up by other stations in the system via Directed Call Pickup. (Default Any call left in Call Park for longer than a pre-4. Recall:

NOTES: 1. A Station that placed a conference call on exclusive hold or parked a conference call cannot retrieve another parked call or answer the

#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

green LED is lit steady. EXT

LED is lit steady CNF

LED flashes. CNF

LED lights. ANS

LED lights. CNF

LED goes out. ANS

LED goes out. EXT

green LED lit. EXT

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RECALL 28 FRI PARK LK16P

red LED flashing.

EXT green LED and ANS

SEPTEMBER, 1988

VOTES: 1. A Station that placed a conference call cartract retrievance had or parted a conference call

2. Two independently adjustable recall timers parked conference to continue communicating recall for another unanswered parked conference (conference and 2 party calls) are available for Call Park calls. This allows for the parties of an outside without frequently recalling to the party that callgroup of the station which barked the cal

420.15 Dial 0 For Attendant

all Park Access Code (Delault 4+).

parked the call.

Depress an idle extension line key and lift handset.

green LED lights.

EXT

Dial 0 to call the associated attendant.

PED Sour our

(N. ).

TED HERE

TED Socs our

EXE

Converse with the attendant.

NOTE: When the associated attendant is busy, calls to the attendant can be routed to another If the associated attendant is call forwarded to another station, calls to the attendant will be attendant depending upon system programming. automatically forwarded to the station.

2016

The parties on Park Hold can talk to each other

green LED is lit steady

MXC

LED in the spandy.

MOTES. 1. A lost (4) party conference cannot be

To Park a conference Call

#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

EXT green LED and AMS red LED Rashing.

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SYMLITE TED INDICATIONS

SEET MEGICATIONS

420.16 Call Pickup

1. Call Pickup - Directed

Station A is receiving an incoming call:

· Depress an idle extension line key of Multiline Terminal B.

EXT green LED lights.

. Lift handset of Multiline Terminal B.

depress DSS key programmed for this expense . Dial access code (Default: 6#) or access code.

- USINGSOF TO THIR TO DRING, MINO MINO MINO
- Dial the extension number of Station A.
- · Use handset to talk to party who was calling Station A. ( Detant: 84) of

Incoming calls to be picked up are as follows:

hold recalls, transfer recalls, and voice paged calls. CO/PBX calls, extension calls, transferred calls,

atrigit GEL meets | TXB

A station is receiving an incoming call;

& Call Plokup - Group

SAMPLE FED INDICALIONS

ND-20292 CHAPTER4 SEPTEMBER, 1988

### SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

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ND-20292 CHAPTER 4 SEPTEMBER, 1988

#### SAMPLE LED INDICATIONS

2. Call Pickup - Group

A station is receiving an incoming call:

Multiline Terminal within the call COPER chickup group, calls, transferred calls, · Depress an idle extension line key of a

EXT green LED lights.

poons . Lift handset; see ab sto sa popower.

- · Dial the access code (Default: 6\*) or
- depress DSS key programmed for this access code.
- - · Use handset to talk to party who was calling the station.

Incoming calls to be picked up are CO/PBX calls, extension calls and transferred calls. A station should be assigned to a call pickup group.

Phokes avige exposion pas key or

EXT | green LED lights.

Station A is receiving an incoming call.

421/14 Call Minking

SYMELE TED INDICATIONS

SAMPLE LCD INDICATIONS

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SVWINE FOD INDICATIONS

SEPTEMBER, 1983

400 - 62

Perfore product.

#### 420.17 Night Call Pickup

With incoming CO/PBX call present during night

- · Depress an idle extension line key.
- - · Lift handset.

Multiline Terminal

Dial access code (Default 60) or depress DSS key programmed for this access

alpainted position of Mild at tope of loades Use handset to talk to calling party. Incoming calls to be picked up are CO/PBX calls Without Doode.

szerqab to (% wheleff) obdo sasoos isid DSS key programmed for this access

Capat receiving call waiting tone, busy tone or no TORWEL MUST DIRECTOR BY SXISUAIOU CBIT.

126,18 Caliback Request Message

SAMPLE LED INDICATIONS

EXT green LED lights.

TXX green LED goes off

EXT green LED is lit steady.

ND-20292 SEPTEMBER, 1988 CHAPTER 4

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SEPTEMBER, 1883 CHAPLER MENTERS

420.18 Callback Request Message

1. To Set:

Upon receiving call waiting tone, busy tone or no answer when placing an extension call:

EXT green LED is lit steady.

 Dial access code (Default: #) or depress DSS key programmed for this access · Receive confirmation tone and hang up.

EXT green LED goes off.

NOTE: Callback requests (3 maximum) can only cannot be sent to SLT's or Multiline Terminals be sent to Multiline Terminals with LCD. They without LCD.

a key programmed for this access

2. To Cancel: cess code (Defanjt 88) at gebitess

a. From originating Multiline Terminal:

Depress primary extension line key.

EXT green LED lights.

Lift handset to receive dial tone.

With incoming COVPEX call present during organ

 Redial the extension number. 120.17 Might Call Pickup

Restore handset.

SYMETE TED INDICALIONS

SAMPLE LCD INDICATIONS

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ND-20292

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BESTENBER 1486

400 - 52

b. From receiving Multiline Terminal:

With message on the LCD:

· Dial 1 repeatedly until the message to be cancelled appears on the LCD.

. Dial \*, within 5 seconds after the message appears.

OR

 Depress primary extension key and lift handset. · Dial the extension number which set the callback request message.

Restore handset.

3. To Call Back: welcou unturped to pe collect

With message on the LCD:

m Debussabrimary expension yes and lift

 Dial 1 repeatedly until a callback message appears.

Primary | EXT | green LED lights.

Primary | EXT | LED goes off.

Primary EXT green LED lights.

ND-20292 SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

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SEPTEMBER, 1998 CHYSLEDIT SESSIFICATION OF STREET

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SAMPLE LED INDICATIONS

Primary | EXT | green LED lights.

- Depress primary extension key and lift
  - handset.
- Dial the extension number to be called
- Pestors handself 9

Primary EXT LED goes eff.

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- of the chird whenever an about which set the
- Restore handset.
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ND-20292 SEPTEMBER, 1988 CHAPTER 4

## SAMPLE LCD INDICATIONS

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CHYSLESSA SEET HERMETERS

ND-20292 SEPTEMBER, 1988

## SAMPLE LED INDICATIONS

1. To Originate: 420.19 Camp-On

transferring a call to a station: second time fough Upon receiving call waiting tone when

EXT

 Depress TRF key and receive camp-on e ptoness vivis year

Restore handset.

NOTE: When a camp-on is denied, an error tone burst followed by call waiting tone or busy tone is heard, and the station requesting the camp-on is recalled after hanging up.

The station that established the camp-on will be recalled if the camped on call is not answered within a predetermined time.

2. To answer: e code (Delanit: se) or qebrees

Upon receiving call waiting tone when placing Upon receiving camp-on tone for a second:

Depress ANS key.

- 426.20 Tone Overvide OR

- Restore handset, then receive ring tone.
- Depress ANS key or primary extension key, then lift handset.

green LED is lit steady. Primary EXT green LED lights steady EXT LED goes off.

XXII green LEG is like steady, Printery

andreft CSI

Primary | EXT | green LED is lit steady. ANS LED flashes.

ANS LED lights steady.

Primary EXT and ANS red LED's flash. Primary | EXT | green LED lights steady. ANS LED goes off.

SAMPLE LCD INDICATIONS.

1 3 F R I N G 2 8 1 0 : 4 5 0 T

FR 2 8 Ť 0:45 OCT CAMPON

2 8 F R 4 5 OCT 1 0 :

好 際 原性療

CALL 2 8 00 1 0 : 4 5 OCT NO CAMP

0 0 : 5 3 2 8 F R I OCT ELAPSED 10:450

LK16 TR CO CALL 10:45 OCT 28 FR

2 8 FRI OCT E L A P S E D 1 0 : 4 5 0

ey, then lift by other.

Depress ANS key or primery extension

Hestore handset, then receive ring tene.

AMS LEO goes off.

SAMPLE LED INDICATIONS

420.20 Tone Override OB

1. To Originate: Mg Rely

Upon receiving call waiting tone when placing an extension call:

EXT green LED is lit steady.

AMS LED lights steady

Dial access code (Default: \*0) or depress
 DSS key programmed for this access
 code, and receive override tone.

 Talk to party when answered.

scalled after panging up.

2. To Answer: stool rednesting the cambout is Upon receiving override tone; rest states and states retained to the control of the cambout receiving the control of the cambout receiving the control of the cambout receiving the cambout receivin

tesbuse handset

Depress ANS key.

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cransis Restore handset, then receive ring tone. Abou receiving cast, waiting tone when

I. To Originale:

Depress ANS key or primary extension
 Reputhen lift handset.

Primary EXT green LED is lit steady.

ANS LED flashes.

ANS LED lights steady.

Primary EXT and ANS red LED's flash.

Primary EXT green LED lights steady.

ANS LED goes off.

ND-20292
CHAPTER 4
SEPTEMBER, 1988
SAMPLE LCD INDICATIONS

CALL WAITING 137 10:45 OCT 28 FRI

0 V E R R I D E → 1 3 7 1 0 : 4 5 0 C T 2 8 F R I 10:45 OCT 28 FRI

0 V E R R I D E 1 3 7 1 0 : 4 5 0 C T 2 8 F R I

10:45 OCT 28 FRI

SEDAMINES : des CHYBLES :

#### 420,21 Automatic Callback

#### 1. To Set:

Upon receiving call waiting tone or busy tone when placing an extension call?

- Dial access code (Default: \*1) or depress DSS key programmed for this access code.
- Receive confirmation tone and hang up.

 Primary extension line rings when NEGROUP

called station becomes idle, a same bear Any station can set and receive a

Depress ANS key or primary extension Called station automatically rings or line key then lift handset.

receives voice page.

Use handset to talk when answered.

and lab ismemi svecet of leabast fill Depress primary extension line key and

EXT green LED is lit steady.

EXT | LED goes off.

EXT and ANS LED's flash.

EXT green LED lights.

ANS LED goes off.

EXT Green LED lights.

BYWELE FED INDICVISORS

ND-20292 SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

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CHYSLESS 程本人工程列码 知识 Taer

#### 2. To Cancel:

lift handset to receive internal dial tone. Depress primary extension line key and

EXT | green LED lights.

- BOT TO TRIK WINDS WITHWOLDS
- Redial the extension number.

- Restore handset, paugage
- Depress ARBies or primary extension

station. Automatic callback will time out if NOTE: Any station can set and receive a maximum of 3 automatic callbacks each per unanswered within a predetermined time at originator's station.

a Receive centiamenten tone and hang up

Dan screen code (Befault: +1) or depress DOS hay pregrammed for this access

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EXT LED goes off.

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EXT green LED is Ht steady.

SAMPLE LCD INDICATIONS

SEPTEMBER, 1988

ND-20292 CHAPTER 4

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CHAPTERY SEPTEMBER, MAS

420.22 Account Code Entrycesang codes onu pe

Depress TRF key and dial # # Source (If a DSS key is programmed for account code entry, depress the DSS key instead 12 With CO/PBX/Tie/DID call in progress: of TRF key followed by dialing # #). lens will be insued

Dial an account codes code and quarted COLEBY 189 IED 18418

CO/PBX | green LED is lit steady.

Automatically return to conversation.

NOTE: 1. The maximum number of digits to be entered as an account code can be 14. The number of digits in the account code can be assigned by system programming. 108 Methods Approprise 2. If the account code is programmed under a DSS key, then the account code number must be preceded by ##.

ND-20292 CHAPTER 4 SEPTEMBER, 1988

#### SAMPLE LCD INDICATIONS

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CHARRES 4

Account Code-Forced/Verified

Outside Call Origination by Account Code

Lift handset and receive dial tone.

EXT | green LED lights.

• Dial a forced account code entry access code and receive second dial tone. (One must be assigned in System • Dial an account code and receive dial of digits in the account code can be assigned by reduced as an account code can be id. The number A Programming Memory Block 2E1.)

tone.

Automatically return to conversation.

Dial a trunk access code and desired | CO/PBX | red LED lights. number.

(美 等 Spring by daying 美 美)

Tone will be issued and outside call origination is NOTES: 1. If the dialed account code does not coincide with the registered account code, Reorder not enabled; CONSEXUINATED call in Brokress: 2. Valid Forced/Verified account codes can be registered from Attendant telephones only.

## SAMPLE LCD INDICATIONS

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CHYLLEBY SECTION RESERVED SHED BORDS

#### 420.23 Save and Repeat

#### 1. To Save:

With originating CO/PBX call in progress:

- Depress line key programmed for save & repeat.
- · Number dialed is stored into the memory and restore handset.

NOTE: A maximum of 80 Save & Repeat buffers are provided in a system. Each buffer can contain up to 16 digits. Any Multiline Terminal can have multiple Save & Repeat keys.

#### 2. To Repeat:

- Depress an idle extension or CO/PBX line key.
- Lift handset to receive dial tone. I enot gue bus egaq eslev) insheats mort the 1,045 TO
- Depress save & repeat key with LED lit.
- Wait for called party to answer.

seizes an idle trunk within the trunk group NOTE: When an extension line key is used to originate an outside call, system automatically previously used to save the number.

### SAMPLE LED INDICATIONS

green LED is lit steady. CO/PBX

S & R | red LED lights.

CO/PBX LED goes off.

S & R | red LED remains lit.

CO/PBX green LED lights.

S & R | red LED goes off.

SEPTEMBER, 1988 ND-20292 CMAPTER 4

#### SAMPLE LCD INDICATIONS

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CHYLLESS MU-SUSSE 180-001

sense an idle trunk within the trunk group villa system automoticelly 420.24 Do Not Disturb engros pare Reh 12 nzaq fo

Depress line key programmed for Do Not Disturb.

NOTE: Stations in DND mode can receive;

Call from attendant (voice page and ring tone ), Boss/Secretary Ring Tone, Recall Tone, Camp-on Tone, Override tone, error tone burst and Background Music,

A Depress an idle extension or COPEX 2. To Repeat are The description of the Save & Repeat buffers

a Number dialed is stored into the

a Depress line key programmed for save &

### SAMPLE LED INDICATIONS

DND | red LED lights steady.

The seep City ber A & B

CONFEX Essen PED Heper

COUPEX | LED goes off.

S & R red LED lighter.

COUPBY Green LED is Hushady.

SAMPLE LCD INDICATIONS

SEPTEMBER, 1988 CHAPTER 4

ND-20292

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Dist source extension number.

420.25 Call Forward

1. From Source Multilline Terminal:

a. To Settueron Manishine Landines and Put

Depress primary extension line key.

. Lift handset.

 Dial access code (Default: All Call - 41, Busy/No Answer - 42) or depress DSS key programmed for this access code.  Dial extension number where incoming calls to your primary extension are forwarded to. pea broke confirmation tone and hang up.

NOTE: Access code followed by extension number can be programmed on a DSS key.

b. To Verify (Only from Multilline Terminal with LCD):

Depress primary extension line key.
 Lift handset.

• Lift nandset.

 Dial access code (Default: All Call - 41, Busy/No Answer - 42) or depress DSS key programmed for this access code.

### SAMPLE LED INDICATIONS

Primary EXT green LED lights

Primary EXT green LED lights.

No sony CE. I TXB viscins

Primary EXT LED goes off.

Printery EXT green LED lights.

Primary EXT green LED lights.

SVALLY TED INDICATIONS

ND-20292 CHAPTER 4

CHAPTER4

SAMPLE LCD INDICATIONS

FWD ALL NOTSET

FWD ALL 137 → 130 10:45 OCT 28 FRI 1 0 : 4 5 OC T 2 8 F R I

1 0 : 4 5 O C T 2 8 F R

FWD A L L 1 3 7 → 1 3 0 1 0 : 4 5 O C T 2 8 F R L

- 63

Dial access code (Default AHCaH - Al Busyllio Answer - 42) or depress DES key programmed for this access ende.

· Verify call forward setting and hang up.

c. To Cancel:

MGTE: Access code followed by extension number Depress primary extension line key and Senify (Only Iron Multiline Termina can be built handset. a DSS read

Busy/No Answer - 42) or depress DSS · Dial access code (Default: All Call - 41, key programmed for this access code.

e Diel extension number where necessing · Dial \* and receive confirmation tone.

BERLING Answer - 42) or depress 1955 Hang up, Englished for fyir secses, code

2. From Destination Multiline Terminal:

To Set: HE STRUGGE œ,

destination Multiline Terminal and lift · Depress primary extension line key on handset.

· Dial access code (Default: All Call - 47, Busy/No Answer 48) or depress DSS key programmed for this access code.

Dial source extension number.

SAMPLE LED INDICATIONS

Primary | EXT | LED goes off.

Primary | EXT | green LED lights.

Primary | EXT | LED goes off.

Brimary | EXT | grace LED Hearth

Primary | EXT | green LED lights.

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SAMPLE LCD INDICATIONS

I 0 : 4 5 OC T 2 8 FRI 1371 FWD ALL

CANCEL 28 FRI OCT FWD 4 5 1 0

FRI 2 8 LINE E 00 EXT 0 : 4 5

SET I 0 : 4 5 OC T 2 8 FWD

#### SEPTEMBER, 1988

### SAMPLE LED INDICATIONS

- destination Multiline Terminal. Dial extension number of the
- · Receive confirmation tone and hang up.

Primary | EXT | LED goes off.

The esos GBJ | TXN | visming

code followed by source and destination Multiline NOTE: DSS key can also be assigned for access Terminals' extension numbers.

- b. To Verify (Only from Multiline Terminal with LCD):
- · Depress primary extension line key on destination Multiline Terminal and lift Olai, and tecena confirmation tone handset.

Primary | EXT | green LED lights.

- Dial access code (Default: All Call 47, Busy/No Answer - 48) or depress DSS key programmed for this access code.
- Dial source extension number.
- · Verify call forward setting and hang up. thi has isnume? anithich achteanes Depress primary extension line hay an

Primary EXT LED goes off.

### SAMPLE LCD INDICATIONS

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#### c. To Cancel:

destination Multiline Terminal and lift Depress primary extension line key on handset. I A coll to water sergice

Primary EXT green LED lights. Dial access code (Default: All Call - 47, Busy/No Answer - 48) or depress DSS

.

\* Biel acess code (Default: All Call - 41 Bushine y wamer - 48) or quinese 1223 Key programmed for this scores code key programmed for this access code.

Dial source extension number.

All bas LaimteT saililiaM noiseairesb e. Duprets primary extension line key on Dial \* and receive confirmation tone.

• Hang up.

MOTEL DES key can also be assigned for excess Terminals extension minisera.

Primary | EXT | green LEO lights

Primary | EXT | LED goes off.

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### SAMPLE LCD INDICATIONS

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SAMPLE LCD INDICATIONS

420.26 Programming Station Speed Dial and Feature Access Keys

speed dials, feature access codes and the following DSS keys can be programmed to enter station functions:

Account Code Entry, Boss/Secretary Ring, Last Number Redial, System Speed Dial, Calculator Function.

1. Programming Station Speed Dial

a. To Program:

a.1) Using DSS key (ETE-6D & ETE-16D TRE Key (Bach Multiline Terminals):

se sulvarione in the Depress CNF key.

CNF LED flutters.

NOTES: I. When system speed dist number needs Depress desired DSS key.

- code followed by telephone number to be Dial internal extension or trunk access stored.
- Depress CNF key.

CNF LED goes off.

- a.2) Using Dial Access (All Multiline Terminals):
- Depress CNF key.

CNF LED flutters. CVLIONE

Dial speed dial buffer number (00 ~ 19).

SAMPLE LED INDICATIONS

0 SPD PROGRAM

AC

TRK

SPD

S P D T R K A C 9

66 SPD PROGRAM

A C ? TRK SPD

400-67

ND-20292

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a Depress CMF key

code followed by telephone number to be · Dial internal extension or trunk access stored.

Depress CNF key.

NOTES: 1. When system speed dial number needs to be entered into speed dial buffer, enter a trunk access code, depress ANS key in place of dialing #, and then enter system speed dial buffer number (20~99). If a pause is required anywhere in the dialing of the number, depress the TRF key (Each depression counts as one of the 16 digits).

2. Hook Flash (RECALL key) signal can be programmed as the first digit of a Speed Dial number at a Multiline Terminal.

Hook Flash counts as 1 digit.

b. To Verify (Only from Multiline Terminals cretary Hing, Last with LCD):

b.1) Using DSS key:

Depress desired DSS key to be verified.

(The LCD automatically returns to normal mode in about 10 seconds.) . Check contents of the buffer on the LCD.

SAMPLE LED INDICATIONS

CNF LED goes off.

CMF LED distant

SEPTEMBER, 1988 CHAPTER 4 FRI SAMPLE LCD INDICATIONS S P D T R K A C 9 00 5 OCT 1 0 : 4 5

S P D T R K A C H 5 1 6 7 5 3 7 0 0 0

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ND-20292 CHAPTER4 SEPTEMBER, 1988

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SAMPLE LCD INDICATIONS

SAMPLE LCD INDICATIONS

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gen	CNF LED flutters. greateft GSJ 7K9		CNF LED goes off. Bo 2502 CEL [TWO			CNF LED flutters. gradual GELI			CNF LED goes off. Ho 2203 CEL		CNF LED flutters. graduff (Ed.)	400 - 69
D.2) Using Dial Access:	Depress CNF key.	<ul> <li>Dial speed dial buffer number (00 ~ 19) to be verified.</li> </ul>	Check the contents of the buffer with     LCD, then depress CNF key.	c. To Clear:	c.1) Using DSS key (ETE-6D & ETE-16D Multilline Terminals):	Depress CNF key. RDOR 9	Depress desired DSS key.	• Depress HOLD key. G 9 8	Depress CNF key	c.2) Using Dial Access (All Multiline Terminals):	• Depress CNF key, A D O S S	<ul> <li>Dial speed dial buffer number (00 ~ 19) to be cleared.</li> </ul>

and the state of t

### SYMPLE I'CD INDICATIONS

b.2)

Using Dial Access:

Check the contents of the buffer with

LCD, then depress CNF key.

Dial speed dial buffer number (00 ~ 19) to

be verified.

Depress CNF key.

c.1) Using DSS key (ETE-6D & ETE-16D

c. To Clear:

Multiline Terminals):

Depress CNF key.

Depress desired DSS key.

## SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

CNF LED flutters.	ESPECIAL PROPERTY.	PROGRAM SPD ??
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CNF LED goes off.	With CME FED Soss out	1 0 : 4 5 OCT 28 FR 1
		C. Lo Clear.
		Aughline Lettninste).
CNF LED flutters.	CAN TED GATTER	PROGRAM SPD ??
		S P D T R K A C 9 5 1 6 7 5 3 7 0 0 0
		SPD TRK AC?
CNF LED goes off.	CAR TED Sees off.	1 0 : 4 5 OCT 2 8 FRI
CNF LED flutters.	CAR LYD UMBE	PROGRAM SPD 2?
	00 - 18) 10	SPD TRK AC9

c.2) Terminals); Dial speed dial buffer number (00 ~ 19) to Depress CNF key. Using Dial Access (All Multiline

be cleared.

CNF | LED flut

Depress CNF key.

Depress HOLD key.

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#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

- Depress HOLD key.
- Depress CNF key.

- CNF LED goes off.
- 2. Programming Feature Access Codes (Multiline Terminal with DSS key Only)
- a. To Program:
- Depress CNF key.

CNF LED flutters.

- Depress desired DSS key.
- Dial desired feature access code.
- Depress CNF key.

CNF LED goes off.

#### b. To Verify:

- Depress desired DSS key to be verified.
- Check contents of the DSS key on the LCD (The LCD automatically returns to normal mode in approximately 10 seconds).

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#### SAMPLE LED INDICATIONS

c. To Clear:

• Depress CNF key.

CNF LED flutters.

Depress desired DSS key.

Depress HOLD key.

Depress CNF key.

CNF LED goes off.

Programming Functions (Multiline Terminal with DSS Key Only) a. To Program: CD synometricily letitude

Depress CNF key.

CNF LED flutters.

Depress desired DSS key.

b To Venty

Depress ANS key.

ARRICH STREET · Dial one of the following codes for various functions:

• Dial 02

(Account Code

Entry)

(Calculator Dial 04
 Dial 05 Dial 03

(Speed Dial Access) (Last Number Function)

Redial)

CME | LED Ress off.

#### SAMPLE LCD INDICATIONS

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Speed Diel Access) Last Number Rediall

Dist 04

Accessor Code

extension number (Boss/Secretary Ring) codes for · Dial 06 followed by

Depress CNF key.

of Dial one of the fol

\* Dell'ess VINE Keh

b. To Verify:

Depress desired DSS key.

LCD (The LCD automatically returns · Check contents of the DSS key on the to normal mode in about 10 seconds).

c. To Clear. Tegeninal with DSS Key Only)

Depress CNF key.

Depress desired DSS key.

Depress HOLD key.

Depress CNF key.

ž

CNF LED goes off.

SAMPLE LED INDICATIONS

CNF LED goes off.

CNF LED flutters.

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#### SAMPLE LCD INDICATIONS

£ FRI SPD TRK AC 03;CALCULATOR 2 8 1 0 : 4 5 OCT

F FR SPD TRK ACO S ; CALCULATOR TRK AC? 00 2 PROGRAM SPD OCT 4 5 SPD 1 0

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400 - 34

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420.27 User Programming

Each Multiline Terminal can be programmed for the following three features:

Off Hook Ringing.

Primary EXT green LED lights.

- Voice/Tone Signaling. oi
- 3. Ringing Tone 0 or 1.

Depress CNF key.

Depress desired line key.

Depress CNF key.

CNF LED flutters.

LK1 - LK3 green LED's light. The sees GE.J

Primary | EXT | green LED lights.

CNF LED goes off.

LK1 | ~ LK3 | green LED's go off.

SEPTEMBER, 1988 CHAPTER 4

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SAMPLE LED INDICATIONS

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SEPTERMER, 1988 MD-96000 CHVSARBFR

#### 420.28 Background Music

1. To Set:

Depress primary extension line key and lift handset.	al access code (Default: 49) for B	<ul> <li>Dial Channel Number (1 or 2).</li> </ul>
P\$ 142	I • D	

desired line key · Hang up.  Background music is heard over station speaker.

2. To Cancel:

 Depress primary extension line key and lift handset.

Dial access code (Default; 49) for BGM.

den'th o best also his maning

 Make sure that background music is no longer heard over station speaker.

#### SAMPLE LED INDICATIONS

Primary | EXT | green LED lights.

Propuring party Primary | EXT | LED goes off.

Primary EXT green LED lights.

EVELLY LED INDICYLLONS Primary EXT LED goes off.

#### SAMPLE LCD INDICATIONS

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CHAPLEH SEPTEMBER 1986 MD BRESSE ND-20292 CHAPTER 4 SEPTEMBER, 1988

420,29 Calculation (Multilline Terminal with a Display) Calculation function is provided to ETE-6D-( ) TEL, ETE-16D-( ) TEL and ETE-16K-1 TEL. This calculator function just provides four arithmetic calculations such as addition, subtraction, multiplication and division, agos googs

Layout of function keys is as follows:

Each function is printed on DSS key designation paper oling Into Calculation Mode

CMS TED &							O CAR		2VW6FE	
DESCRIPTION	Calculation mode off	Not used	Clear the calculator	Clear the last entry	Divide	Multiply	Subtract	Robertowin D28 Kel koAddisnister	* Decimal point	Equal
FUNCTION	OFF	Not used	A D	CE	+	Detress Cliff, Feb.	1	cogre <del>f</del> omin	•	11
DSS KEY	1	23	က	4	2	9	7	80	6	10

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SYMELE LCD INDICYLIONS

TO INDICATIONS

SEPTEMBER, 1986 CHAPLES

ND-20292

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SAMPLE LCD INDICATIONS

CNF LED flutters. 1. Programming DSS Key For Calculator Depress ANS key, the ceremistor Depress desired DSS key. Sanddug Divide · Depress CNF key. Function: Dial 03

CNF LED goes off. 22 • Depress CNF key. DESCRIBLION

#### 2. Going Into Calculation Mode:

 Depress the DSS key programmed for calculator function, goggeneration

## 3. Getting Out of Calculation Mode:

In calculation mode Algos par surprogre

 Depress DSS key 1; the Multiline Terminal is now in normal mode.

#### SAN

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400-76

ND-20292 CHAPTER 4 SEPTEMBER, 1988

#### 4. Calculation

The bottom row of the LCD shows calculation the display shows KikROR. progress indications.

NOTE: If nothing appears on the LCD during calculation, do not continue making entries. a. Addition, Subtraction

Input: 123 + 456 + 789 = Answer: 1368

Input: 100 - 25 - 35 = Answer: 40

Input: 125 - 55 + 10 = Answer: 80

b. Multiplication, Division

P. Dawena

Input: 50 × 2 + 4 = Answer: 25

Answer: 25 Input: 5 X = (Squared) The repest

c. Combinations of Arithmetic Function

Input: 1 + 2 × 3 = Answer: 9 Input: 1 + 2 × 3 =

Answer: 6 e Cour Input: 15 2 3 + 2 =

Triput: 3++ things

d. Constant Addition

The first number entered is the addend

Libe teo Input: 3 + 44 = setolleme Answer: 7

Input: 5 =

Answer: 8

CHYLLES 4 SENTEMBER, 1988

The repeat addition works as follows:

Input: 3 + + = Answer: 6

$$=$$
 Input:  $3 + + = = =$ 

Answer: 12

The first number entered is the multiplicand e. Constant Multiplication

The repeat multiplication works as follows:

Input: 
$$3 \times \times =$$

Answer: 81 Input: 3 × × = = =

Depress CE key once during a calculation and the last entry is cleared. Input: 123 + 455 CE 456 = Answer: 579

5. Error Conditions

Buttub GOLI sell no attanc

An error will be caused by calculations or instructions beyond the capacity. An error can be In the case of an error, the display shows ERROR. cleared by depressing the C key.

ND-20292 CHAPTER 4 SEPTEMBER, 1988

notice of horse guides breared Hab skillen · Canceling station lockent. octors is still valid.

sel. To Set superseric cellifor ate the only 120,30 Station Lockout, ps sent to s station

be reduced an enterior set? (some of) \$000000000 Depress primary extension line key and lift handset.

Primary | EXT | green LED lights.

Dial access code (Default: 61).

\* Receive confirmation tone and hang up.

Primary EXT LED goes off

Primary | EXT | LED goes off.

Dial lockout code.

\* Dist.

Receive confirmation tone and hang up.

shad been lackout cade

#### 2. To Cancel:

• Lift handset.

Dial access code (Default: 61).

· Dial lockout code.

Primary | EXT | green LED lights.

Receive confirmation tone and hang up. Primary EXT LED goes off.

A To Change Lockout Code:

# SAMPLE LCD INDICATIONS SAMPLE LED INDICATIONS

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O	T	S	T	T
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CHYBLEET SEPTIMBER, 1888 MED-BRADE ND-20292

SEPTEMBER, 1988 CHAPTER 4

SAMPLE LCD INDICATIONS

#### 3. To Change Lockout Code:

lift handset.

• Dial access code (Default: 59)

· Dial current lockout code.

þ

· Dial \*

deansOuT 1

Dial new lockout code.

• Dial \*

· Receive confirmation tone and hang up.

NOTE: Default value of lockout code is 00000000000 (10 zeros). The maximum number of digits for lockout code is 10.

service. Callback request message, message Station lockout capability is determined by class of waiting and automatic callback are the only programmed for lockout. Originating activities on features which can be sent to a station a locked out station are as follows:

Canceling station lockout.

NOTE: Call forward setting prior to station lockout is still valid.

LED goes off. Primary EXT

PREALESS 4 SEPTEMBER, 1986 A 10-10 0 2 2 3

# Depress primary extension line key and Primary EXT green LED lights.

Litters XXI Steam TED lights

# # # # # 2 8 F R I 0 D E 2 N 2 EXT LI O L OCT URRENT : 45 OCT 0:45 0 : 4 5 0

1 0 : 4 5 0 C T 2 8 F R I

1 0 : 4 5 OCT 2 8 FRI SET 28 FR CODE N E W 0 : 4 5

ND-20292 SEPTEMBER, 1988 CHAPTER 4

420.31 Voice Mail Call

SAMPLE LED INDICATIONS

#### 1. Originating:

- Reject tosty schools from Primary EXT green LED lights. Depress primary extension line key and lift handset.
- (Default: 63) for voice mail entry port. Dial voice mail hunt access code
- Follow the instructions given by voice mail system when answered.

20 (1900年) · 特

NOTE: System programming is required for voice mail hunting.

2. Answering:

with flashing LED or depress ANS key. Depress extension line key associated

EXT and ANS red LED's are flashing.

EXT | green LED lights steady.

ANS LED goes off.

instant disch

e Call voice mail system by disting access • Lift handset to respond.

 Listen for a message from voice mail system.

strigit GHL resons TXB | graming

NOTE: Some voice mail systems cannot originate

3. Retrieving and Canceling a Message:

When MSG 2 is shown on the LCD the following

operations should be taken to retrieve a message.

SYMETE TED IMBICY, 110-48

SAMPLE LCD INDICATIONS

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CHYBLES

SAMPLE LED INDICATIONS

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 Dial 1 repeatedly until the LCD shows a message from voice mail system.

 Depress primary extension line key and lift handset.

Primary | EXT | green LED lights.

 Call voice mail system by dialing access code (Default: 63) and reach your mail box.

• Listen for a message.

green LED lights steady.

EXT | and | AMS | red LED's are flashing.

Z Yuzhahugo

· Replace handset.

a message on a station. Only Multiline Terminals NOTES: 1. Some voice mail systems cannot leave voice mail. No activities on the Multiline Terminal (with LCD) within 5 seconds during can distinguish that messages have been sent from message mode allows the Multiline Terminal to return to the normal mode.

2. Depending on the voice mail system used the the voice mail system after the user calls their voice mail message is automatically cancelled by mailbox,

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SAMPLE LCD INDICATIONS

6 3 FR හ 2 1 0 : 3 5 V M A 1 0 : 4 5 O C T

FR 2 8 OCT EXT : 4 5 1 0

FR 2 8 OCT M S G 1

Chr.

EXX, | ALGOUTED HEDIA

400 - 83

SEES, EASTWINE STREET, 1989

ND-20292 CHAPTER 4 SEPTEMBER, 1988

#### SAMPLE LED INDICATIONS

4. Abandoning a Call: gew 12 catues on Arr 4th

a. Using handset: DOR to purchas the DLE these of EXT green LED is lit steady. This signal can be matructed to be Bestal - Vu BS-535 apien appearing at hin 6 of the connector. This signal

· Restore handset.

EXT | green LED goes off. on or off when the terminal is turned on via dip

b. Using Recall key; E to property the BCE that a EXT green LED is lit steady. tore erguer can be justinated to appearing at him 20 of the connector. This signal

Ŋ.

雅护技

 Depress RECALL key to place another bese o'call, Multilling Terminal with a display.

EXT green LED remains lit.

eds at bestauron at B-ATG edT noting volunted IsomreT alsO HaraM setted 3 ad T - H ATG

STE (Data Terminal Equipment) - A device at one see of a communications link, usually a terminal.

A . Deta Communications Equipment) - A Mail anoiteoinement a to be eno is objeyable boo front emails in a modern a yllawa.

show notice of the terminal emplation mode Decwritere, Tie Silent 700), or a personal display terminal (VOV), a hard copy terminal latining . A computer terminal, usually a video Crosstalke, Smartcomme

435,32 Data Communications

#### SAMPLE LCD INDICATIONS

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400 - 84

CHAPPTERA

SEPTEMBER, 1983

420.32 Data Communications

Glossary

Terminal - A computer terminal, usually a video computer placed in terminal emulation mode display terminal (VDT), a hard copy terminal (Decwritere, TIe Silent 700), or a personal (Crosstalk\*, Smartcomm\*).

(Data Communications Equipment) - A device at one end of a communications link, usually a modem or a main frame front end DTE (Data Terminal Equipment) - A device at one end of a communications link, usually a terminal.

Adaptor option. The DTA-E is mounted in the DTA-E - The Electra MarkII Data Terminal base of any Multiline Terminal with a display.

EXT | green LED remains lit generated by the DTE to inform the DCE that the DYE is present. This signal can be instructed to be appearing at pin 20 of the connector. This signal is on or off when the terminal is turned on via dip DTR (Data Terminal Ready) - An RS-232 signal switches located in the terminal.

green LED is lit steady generated by the DCE to inform the DTE that the DSR (Data Set Ready) - An RS-232 signal appearing at pin 6 of the connector. This signal is DCE is present. This signal can be instructed to be on or off when the modem is turned on via dip switches located in the modem.

SAMPLE LED INDICATIONS

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#### SAMPLE LCD INDICATIONS

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SYMPLE FOD INDICVLIOUS

CHYBALEST

Called party depresses DR key.

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Airy call in hodican

(Eust judging phekers gere (Meone) (TOWERS)

1. Originating:

a. DTR Signals ON (Manual Answer)

With call in progress:

Station 131 depress DT key.

Called party (Station 137) depresses DR key to 200 Depress Dr key

answer.

b. DTR Signals OFF (Manual Answer)

With call in progress:

· Station 131 depress DT key.

DTR signal from calling DTE (Station 131) comes ON. Called party (Station 137) depresses DR key to answer.

DTR signal from called DTE comes ON.

SAMPLE LED INDICATIONS D.L. Bases PRD Höure

EXT Scoon PED is He stsagn

EXT | green LED is lit steady.

green LED flashes. DT

DT green LED lights.

EXT green LED is lit steady.

DT red LED lights.

DT green LED flashes.

DT red LED lights. Will Control

DT green LED lights.

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ND-20292 SEPTEMBER, 1988 CHAPTER 4 SAMPLE LCD INDICATIONS 

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ATA TO 13	TEV	-	į.
	ATAT	1	3 7
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1 3 7 T O STEVE PATH DATA

CHAPTER4 SEPTEMBER, 1988

## SAMPLE LCD INDICATIONS

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SAMPLE LED INDICATIONS

EXT green LED is lit steady.

c. DTR Signals ON (Automatic Answer)

DT green LED lights.

Depress DT key.

With call in progress.

EXE | green LED in literacity

d. DTR Signal OFF (Automatic Answer)

EXT green LED is lit steady.

DT | red LED lights.

DT green LED lights.

DTR signal from calling DTE comes ON.

Depress DT key

With call in progress.

DTR signal from called DTE comes ON.

(nawanA faunaM) Wo elengil ATO a

e. DTR Signal invalid by system data (Manual Answer)

With call in progress.

Depress DT key

Called party depresses DR key.

EXT green LED is lit steady.

DT green LED flashes.

DT green LED lights.

#### SAMPLE LED INDICATIONS

f. DTR Signal ON - Calling DTE DTR Signal OFF - Called DTE (Called Party Busy)

- · Depress an extension line key and lift handset to receive dial tone
- Dial extension number.
- Depress DT key.

Called party depresses DR key.

DTR signal from called DTE comes ON.

g. DTR signal On (Call Waiting for Called gargant ed bewelfel each trais braw's Party)

· Depress DT key.

- Depress an extension line key and lift handset to receive dial tone.
- Dial extension number, then receive call waiting tone.
- Depress DT key (Cell Lot astopial pract

Called party depresses DR key.

DT green LED flashes.

EXT green LED lights.

DT | red LED lights.

DT green LED lights.

EXT | green LED lights.

EXT Sceen LED lights.

DT green LED flashes.

DT green LED lights.

#### SAMPLE LCD INDICATIONS

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BUSY		E	E	=	3
1 0 : 4 8	5 0 0	C T	2 8	R	R
BUSY	E			=	3 7
DATA	T 0			-	3 7
BUSY				=	3
	REAI	D Y		-	3 7
BUSY				-	1000
A	PA	T H	T O	1	3 7

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	R	3	R
	F		K
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Z	2	Z	2
-		1	
L	=	-	H
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	- 6	A	WAL	L WAI	L W A	=
ALLWA			-	V V		C

h. DTR Signals ON (Call Forwarding is set on Called Party)

 Depress an extension line key and lift nandset to receive dial tone.

· Dial extension number, then receive forward alert tone followed by ringing

DTR signal On (Call Walting for Called tone.

Depress DT key.

Party where the call is forwarded, depresses DR key Eust trom caped DLE con

Called party depresses DR key

· Depress DT key.

Dial extension number.

a lychteat su existention nus ked sud itt

DIR Signal OFF - Calling DIE (Called Party

#### SAMPLE LED INDICATIONS

EXT | green LED lights.

88.4

DT | green LED flashes.

DT red LED lights.

red 1.ED lights. DI

DT | green LED flashes

EXT | green LED lights.

SEPTEMBER, 1988 ND-20292 CHAPTER 4

# SAMPLE LCD INDICATIONS

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STATE TOD TABIOV LIONS

CHVLLRSY REPTERMEN, 1968

OH Steen PED plus

Calling party depresses DT key · Depress DR key.

2. Receiving most see

a. DTR Signals ON (manual answer)

With call in progress.

MO asmon ATC hellso mort langie ATC Receive data call.

多數的計畫指面

Depress DR key.

b. DTR Signals OFF (manual answer)

With call in progress.

Calling party depresses DT key.

DTR signal from calling DTE comes ON.

Depress DR key

DTR signal from called DTE comes ON.

SAMPLE LED INDICATIONS

EXT | green LED is lit steady

EXT | green LED is lit steady.

DR | red LED flashes.

DR | green LED lights.

DT | red LED lights.

EXT | green LED is lit steady.

DR | red LED lights.

DR | red LED flashes.

DR | red LED lights.

DR green LED lights.

CHAPTER 4 SEPTEMBER, 1988

ND-20292

SAMPLE LCD INDICATIONS

1 3 7 F R I DATA PATH TO 137 111 00 2 1 0 : 4 5 OCT STEVE DATA

00 10:45 OCT 2

1 3 7 1 3 7 STEVE 137 PATH TO 137 STEVE READY NOT READY DATA NOT

DATA

#### SEPTEMBER, 1988

SAMPLE LCD INDICATIONS

DIVILLY INDIVIDUE LABOR

#### SAMPLE LED INDICATIONS

c. DTR Signals ON (automatic answer)

With call in progress.

Calling party depresses DT key. Rost trom calling DLR

Calling party dopresses DT key

d. DTR Signals OFF (automatic answer)

With call in progress.

Calling party depresses DT key.

DTR signal from calling DTE comes ON.

DTR signal from called DTE comes ON

e. DTR Signal invalid by system data (manual answer) Status POM

With call in progress.

Calling party depresses DT key.

· Depress DR key.

Bussar 1°ED HRute

EXT green LED is lit steady.

1 3 7 F R I

00

10:45 OCT 2

DT green LED lights.

red LED lighte.

green LED is lit steady.

EXT green LED is lit steady.

DT | red LED lights.

Green PRD Jights DR green LED lights. green LED is lit steady. EXT

EXT | green LED is lit steady.

DT red LED flashes.

DR green LED lights.

1 3 7 1 3 7 F R I 1 3 7 STEVEPATHTO 00 2 STEVE STEVEFROM 10:45 DATA DATA

137 137 FRI 1 3 7 3 1 3 --0 STEVE PATH TO 1 0 : 4 5 OCT 2 8 L STEVEPATH READY READY DATA DATA NOT NOT

#### SAMPLE LED INDICATIONS

## f. DTR Signals ON (Called Party Busy)

. Talking with an internal party.

Receive a data call from a different internal party.

Depress DR key.

e-Restore handsel.

DTR Signal OFF - Called DTE (Called g. DTR Signal ON - Calling DTE Party Busy) out a Acids Call

· Talking with an internal party.

Receive a data call from a different internal Hing party depresses DT key party.

Depress DR key.

ouring eigned.

DTR signal from called DTE comes on.

EXT | green LED is lit steady.

DR | red LED flashes.

DR green LED lights.

He and DT green LEDs are lix Rossog USJ TXX

EXT green LED is lit steady.

DR red LED flashes.

DR red LED lights.

DR green LED lights

#### SAMPLE LCD INDICATIONS

		7	-	M	Z	Y			-	3	2
1 0 :	4	2	9	C	T	57	2 8		(F)	R	-
		f	=	M	×	×			-	0	2
DAT	V	R	R	0	M		Н	H-	-	3	7
		J	=	M	M	X		$\vdash$	-	3	2
NOT		KE	A	D	Y				_	3	1
		f	=	M	M	>		-	=	8	2
DAT	A	Ь	Y	F	H		T 0		-	3	7

#### SVWLETE PCD IMPLOVATIONS

**自由光色法常等**中 #6000 CH SEPTEMBER, 1988

SYMEL'E L'ED IMPICALIONS

ND-2026 SEPTEMBER, 198, CHAPTER

#### SAMPLE LED INDICATIONS

h. DTR Signals ON (No Voice Call in no semes ATG belies mort tan Progress).

Receive an incoming signal.
 Debugge Dig Feet

Depress DR key.

Calling party depresses DT key.

Abandoning er;

a. Abandoning a Voice Call:

With voice and data call in progress.

Restore handset

Called party restores handset. Data path remains.

TLORES &

NOTE: Either calling or called party can restore the handset first.

Talking with an internal party.

f. DTR Signals ON (Called Party Busy)

EXT and ANS red LEDs flash.

DR | red LED flashes.

DR green LED lights.

EXT | green LED is itt steady.

EXT and DT green LEDs are lit.

EXT LED goes off.

OR Steen IED Hights.

DR red LED flushed

SYMETE PED INDICALIONS

#### SAMPLE LCD INDICATIONS

	RI	100	3 7		2000	3 7
	E	100				-
	-					-
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V	H	^	M		>	H
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T	0	L	R		T	A
S		S	F		3	Р
	5				1	
9	4	9	A		9	A
-	L.P	1	H		1	H
K	0	K	A		X	A
1	1	1	D	d	I	Q

7	-	-
3	3	3
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SAWLE FOD INDICVLIONS

400-93

Called party depresses DR key

b. Abandoning a Data Call:

b.1 Calling party abandons first:

With voice and data call in progress:

Correction Depress DT key.

DTR signal from calling DTE goes off.

Mary States

DTR signal from called party goes off; called party depresses the DR key.

b.2 Called party abandons first.

With voice and data call in progess:

De ason all them called DTE goes off Called party depresses DR key. To soon ATO goillas most fangle HTO

Will was

DTR signal from called DTE goes off.

DTR signal from calling DTE goes off.

Depress DT key.

No apog CRA ber TU

SAMPLE LED INDICATIONS

EXT and DT green LEDs are lit steady.

DT | red LED lights.

DT red LED goes off.

OT | green LED lights

EXT and DT green LEDs are lit steady.

DT red LED lights.

DT red LED flutters. red LED lights.

DT | red LED goes off.

SYMER'S PED INDICYLIONE

CHAPTER 4 SEPTEMBER, 1988 SAMPLE LCD INDICATIONS

ND-20292

STEVEPPATHTO DATA 137 STEVE DATA

1 3 7 F R I 00 2 STEVE OCT 1 0 : 4 5

1 3 7 1 3 7 F R I 1 3 7 T O 00 2 STEVE STEVE DATA END DATAPATH DATA END 1 0 : 4 5 DATA

CHYBLEH' \* MEN-SEESE

- ND-20292

SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LED INDICATIONS

DY LOG PRI Sons off.

EXT and DT green LEDs are lit steady.

DT | red LED lights.

DT red LED goes off.

the and DT green LEDs are it steady.

SAMPLE LCD INDICATIONS

7	7	7	-	7	-	7	1
8	3	60	3	3	出	3	K
-	-	=	1	-	F	-	E
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田	134	B	1	E		田	H
>	H	7		7	L	>	T
田	H	(3)	D	E	C	B	O
3	V	d	Z	T	0	d	0
S	Ы	CO	田	S	8.0	S	Est.
		I			20	11	2
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14	D		D		9		1

17	7	1	1	7	1 2	2	1 3
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FRI 1 3 28 - FR T 0 00 2 PATH OCT OCT 10:45 10 DATA 1 0 : 4

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b.3 Automatic Release:

With voice and data call in progress:

He ason Tid gailles mort langle HTG

Depress DT key.

The ases ATU ballan meni langle ATU

DTR signal from calling DTE goes off. Called party depreases DR key.

DTR signal from called DTE goes off.

b.4 DTR Signal invalid by system data:

Calling party abandons first:

Mith data call in progress? oea ou carred bareh

DER . Obpress DT key. E goes ou

Calling party depresses DR key.

b.5 DTR Signal invalid by system data:

Called party abandons first:

With data call in progress:

Called party depresses DR key.

Depress DT key.

DT green LED goes off.

DT green LED lights.

OT | red LED lights.

TXE and III green LEDs are lit steady

D'T green LED lights steady.

DT | red LED flutters.

DT red LED goes off.

400 - 95

FRI

2 8

OCT

10:45

#### 4. DTR Signal Disconnect

- Signal from calling DTE goes off:
   With data call in progess:
- DTR signal from calling DTE goes off.
- Depress DT key.
- b. Signal from called DTE goes off:

With data call in progess:

DTR signal from called DTE goes off.

DTR signal from calling DTE goes off.

• Depress DT key.

The LOTE Signal ON for calling DTB, OFF for

- 5. Abandoning During Data Call Origination
- a. Called party does not depress DR key.
- a.1 DTR Signal: ON for calling DTE OFF from called DTE With Voice Call in progress:
- Depress DT key
- Depress DT key again.

DTR signal from calling DTE goes off.

#### SAMPLE LED INDICATIONS

EXT and DT green LEDs are lit steady.

DT red LED flutters.

DT red LED goes off.

DT green LED lights steady.

DT red LED lights.

DT red LED flutters.

DT red LED goes off.

- Do ases GN. I ber TG
- sideli (III by LTG
- EXT green LED is lit steady.
- DT green LED flashes.

red LED lights.

DT

DT red LED goes off.

400 - 9R

#### SAMPLE LCD INDICATIONS

1 0 : 4 5 OCT 2 8 FRI		DATA	T T	Y		PATH	E A	F F		3	TO		1 3 7	-
	-	0		4	10	E I	0	C	T	2	00	F	R	144

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	-	1		1		F	
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2						T	
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400 - 98

The ason STU gallies mon langie STU

a.2 DTR Signal: OFF for both, calling and called DTE

SAMPLE LED INDICATIONS

With Voice Call in progress:

EXT green LED is lit steady.

- Depress DT key, E. Hom carried DAE
- Depress DT key again.

DT | red LED goes off.

DT | red LED lights.

b. Called party depresses DR key.

b.1 DTR Signal: ON for calling DTE, OFF for called DTE cos DL FE

With voice call in progess:

Depress DT key.

Called party depresses DR key.

• Depress DT key, Proceed

DTR signal from calling DTE goes off.

Called party depresses DR key. Wirp date call in progess:

To asog STU pailles most langis. . a

J. DTR Signal Discounsect

Ted LED goes off. -

EXT | green LED is lit steady. Leg FED Uniter,B

DT green LED flashes.

DT red LED lights.

To sees Galiber To

DT red LED goes off.

EXT and DT green LEDs are litabledy

.20292 FER 4		2	1-1	7	gent	7	_	
ND-20292 IAPTER 4 BER, 1988	S	67	R	3	3	3	R	
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32 0	9	(3)	0	B	D	E	C	
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	175		1		Q		Z		Q		-	TE	1

CHYBAREF SENTEMBER, 1988 MD-ROSESS CHAPTER 4

SEPTEMBER, 1988

green LED is lit steady

SAMPLE LED INDICATIONS

rendered invalid for calling DTE by the

system.

With voice call in progess:

Depress DT key

b.2 DTR Signal: OFF for called DTE,

Return to party on hold,

Depress DT key

101

EXT green LED is lit steady

DT green LED flashes.

DT | red LED lights. ca or Depress DT key! Attle in Lesel As Mode:

Called party depresses DR key.

Ydrebinarsini alaiw Gall neers TO DT | red LED goes off.

the green LED winks intermittently

DR key twice in succession to drop the attempted LCD indication, the called party can depress the NOTE: When receiving a DATA FROM XXX data call.

Called party depresses DR key.

Depress DT key.

6. Failed Data Call Attempt-Called Party's Data Path Busy Row coming Date coes our

With voice call in progress:

Depress DT key.

• Depress DT key again.

i,

EXT | green LED is lit steady. The sees GHJ ber

DT | red LED flutters.

DT red LED goes off.

SAMPLE LCD INDICATIONS

ndicate flashing letters on actual

B U S Y 2 8 F R I FRI 1 3 7 - 4 5 OCT 2 8 DATA PATH STEVE 5 OCT 2 1 0 : 4 5 1 0

REPARTERNAL 1965 CHYSLERY

ND-20292 SEPTEMBER, 1988 CHAPTER 4

> 7. Losing DTR Signal When Originating Data Call (DTR signal set as valid in system data)

With voice call in progress:

Depress DT key.

DTR signal from calling DTE goes off.

red LED flutters.

DI

red LED goes off.

DT

pt-Called Party's Depress DT key. 8. Reserving Data Path to Originate Data Call

CHES CERT

alled party depresses DR key

DT green LED winks intermittently.

green LED winks intermittently.

DT

DT green LED goes off.

EXT green LED is lit steady

DT green LED winks intermittently.

green LED flashes.

DT

EXT green LED is lit steady.

EXT | green LED flashes.

green LED goes off. DT

EXT | green LED is lit steady.

### SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

EXT green LED is lit steady

green LED flashes.

DT

7	100	7	2	2	-	7	Street
3	R	3	3	60	3	3	K
-	F	-	-	-	-	-	<u>G</u>
	00						00
[2	2	E	4		PH.		2
E		田		田	34	田	
V	L	A		7		7	₽
E	C	田		田	E	E	O
T	0	E	0	E	E	E	0
S		S	H	S	0	S	
L	2			1.5			20
15	4	E	K	П	A		4
C	Ι.		H		L		
13	0	E la	A	E	A		0
ĮS	-		O	11	Q		1

NOTE: Bold letters in sample display indicate flashing letters on actual display.

200	-	_
00	(2)	12
-		E.
図	2	00
>	<b>&gt;</b>	62
R	R	
123	<b>□</b>	E
S	S	0
(2)	E	0
R	R	21 2
		2
A	K	4
E	E	
1	A	0
Ta	Ω	-

1 3 7 1 3 7 DATA RESERVE STEVE DATA

1 3 RESERVE DATA

0 0 : 2 8 2 8 F R I ELAPSED 10:45 OCT

AOL a: To set: Sectivities of DVLV EBOW XXX

Depress DT key.

b. To cancel from reservation mode while in an idle condition :

Called party depresses DR key. Depress DT key.

called party (voice call) while in reserve mode: c. To establish a data call with the existing

Depress DT key.

d. To cancel a data path reservation with a Place call on hold. voice call in progress:

Depress DT key.

Return to party on hold.

SAMPLE LED INDICATIONS

9. Abandoning a Data Call to a Multiline Terminal with a Data Path Reserved

With voice call in progress:

- Depress DT key.
- Depress DT key again.

- EXT | green LED is lit steady.
- DT | red LED flutters.
- DT | red LED goes off.

Terminal with CO call in Progress via the 10. Originating Data Call to a Multiline primary extension

a.Called Party - No Data Path Reserved Depress DT key again,

- Place called party on hold.
- Depress an idle extension line key and lift handset to receive dial tone.
- Depress as idle extension line kny and Dial extension number, 8 1006
- Depress DT key.

b.Called Party - Data Puth Reserved

Called party depresses DR key.

green LED lights. Fig. 1 ted LED Dublers EXT

DT green LED flashes.

DT LED lights.

#### SAMPLE LCD INDICATIONS

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1 3 7 F R I 137 137 FRI 2 N 8 E CALL WAITING 10:45 OCT 28 TO TO N WAITI PATH 1 0: 45 OCT CALLDATA DATA

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CHAPTERS SELENBER 1888

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#### SAMPLE LED INDICATIONS

D. FEDHERS

green LED Gashes

EXT green LED lights.

Depress an idle extension line key and

lift handset to receive dial tone.

b.Called Party - Data Path Reserved

Talled parety deposits DR Let

Dial extension number.

Dogress an idle extension line key and

DT | red LED flutters.

DT LED goes off.

a. Called Party - No Data Path Reserved

Depress DT key again.

.

Place called party on hold,

Depress DT key.

Terminal with CO call in Progress via the 10. Originating Data Call to a Muldifine

Depress DT key again. Ď.

Depress DT key i M

9. Abandoning a Data Call to a Multiline Berninal with a Data Path Received

. No zean GE J ber | TO

EXT | green LED is lit steady

1 3 7 1 3 7 F R I 1 0: 45 OCT 28 FRI FRI SAMPLE LCD INDICATIONS MALE MALE MO WAITING 10:45 OCT 28 CALL WAITING 10:45 OCT 28 CALL

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and sidt incimal animibile off of largie Rel Reverer, if the modem does provide a The user must so on been to ten like enot with emit with he landmast endictivity srob simponstically.

420.33 Modem Pooling Barrer H. the Caracter applies to this section also. By Carl Als Lauring The Glossary at the beginning of Section 420.32

1. Originating:

with the

ABC stoled wook a. DTR Signal OFF. (Example DTE is a PC that is not in Terminal Mode).

a.1. With CO call in progress: DZB # 10 FP

• Depress DT key.

Place PC in Terminal Mode.

· DTR signal from DTE comes ON and ring back tone is received.

terminal keyboard and type ATD and then • For Hayes® compatible modems; use the depress the ENTER (return) key.

prik bising a program.

a.1.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook.

of responding to keyboard command sets such as Multiline Terminal initially (before DSR signal a.1.2 Modems that provide a DSR signal to the the hayes a command set. occurs) will go off-hook.

a. 2. With Terminal Reyboard Disling

After DSR signal from modem comes on.

SAMPLE LED INDICATIONS

TO | green LED lights

CO/PBX green LED is lit steady.

PEU Ross ou

red LED lights. DT

AMS | LED goes off

green LED flashes. DT ANS LED lights.

CO/PBX red and DT

ANS | LED goes off.

green LED lights.

CO/PBX and DT

red LEDs light.

ANS LED goes off.

DT green LED lights.

SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

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M.Er-36394

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Affer Dalt eigher nom med

a.2. With Terminal Keyboard Dialing assigned: NOTES: I. Terminal Keyboard Dialing must be 2. The modems in the modem pool must be capable of responding to keyboard command sets such as assigned in system programming data. the Hayes @ command set.

 Depress SPKR key and seize primary s' I I Mextension of do not browide DRE

and type ATD and then • Depress DT key, ("senter) re)

DSR signal from DTE comes on.

· Initiate dialing from the terminal

keyboard of Boss DIE couses ON and Link

Place PC in Territoral Mode

a.2.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook a.2.2 Modems that provide a DSR signal to the Multiline Terminal will go off-hook (before DSR signal occurs).

After DSR signal from modem comes on.

OFF. (Example DTE is a PC

Keyboard Dialing, the Multiline Terminal user modem does not provide a DSR signal to the stop automatically. The user must go on hook to DSR signal to the Multiline Terminal this tone will hear carrier tone from the remote modem via the multiline terminal's speaker. If the on-site Multiline Terminal at this time this tone will not stop it. However, if the modem does provide a NOTE: After initiating a call via Terminal will stop automatically.

SAMPLE FED INDICATIONS

green LED lights

SAMPLE LED INDICATIONS

VMS | FED BOSSOU

EXT green LED lights. red LED lights. Primary

DT

green LED winks intermittently. DT

CO/PBX red and DT

ANS LED goes off.

green LED lights.

CO/PBX and DT

Cred LEDs light, FED 18 HE Street

ANS LED goes off.

DT | green LED lights.

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SAMPLE LCD INDICATIONS

G. 10:45 OCT 28

MODEM2 3 READY RESERVED NOT

MODEM2 ONTO DATA

READY MODEM2 NOT MODEM2 DATA ONTO

CHNELLER SEPT RESTREET, 1988

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a Place PC in Terminal Mode.

b. DTR Signal ON. (Example DTE is a PC that is in Terminal Mode).

b.1. With a CO call in progress:

Depress DT key and receive ring back guramer tone.

MOTE: Medents must be set in the submitte

· For Hayes® compatible modems; use the terminal keyboard and type ATD and then depress the ENTER (return) key. smal and lander of published self of langua Med one will not b.1.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook.

ent deer not provide a DER signal to the b.1.2 Modems that provide a DSR signal to the Multiline Terminal will go off-hook (before DSR Carlonell siv Has a grissifini tolla : ETC signal occurs).

After DSR signal from modem comes on.

Multiline Terminal will go off-hook (before USH b.2. With Terminal Keyboard Dialing assigned

 Depress SPKR key and seize primary extension.

Depress DT key.

Initiate dialing from the terminal keyboard.

DR | green LED flashes.

#### SAMPLE LED INDICATIONS

green LED is lit steady. CED REPORT CO/PBX

green LED flashes. DT

ANS LED lights.

CO/PBX | red and | DT

green LEDs light.

ANS LED goes off.

CO/PBX and DT red LEDs light.

ANS | LED goes off.

DT green LED lights.

WHE | PED Socs off

Primary | EXT | green LED lights.

green LED winks intermittently. DT

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SAMPLE LCD INDICATIONS

2 8 0 E 00 L A P S E I MODEM2 DATATO

M O D E M2 T 0 DATA

MODEM2 ONTO DATA

MODEM2 READY NOT

DATA ONTO MODEM2

FRI 8 E EXT LI 1 0 : 4

BEE BEN AED

MODEM2 SERVED RE

MODEM2 RESERVED

lanimost odd most goddach statistical

o Picheres D., red

h 2.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook.

b.2.2 Modems that provide a DSR signal to the Multiline Terminal will go off-hook (before DSR signal occurs)

After DSR signal from modem comes on.

NOTE: After initiating a call via Terminal Keyboard Dialing, the Multiline Terminal user modem does not provide a DSR signal to the will hear carrier tone from the remote modem via the multiline terminal's speaker. If the on-site stop automatically. The user must go on hook to DSR signal to the Multiline Terminal this tone Multiline Terminal at this time this tone will not stop it. However, if the modem does provide a TO TREETHED HERY will stop automatically.

ment bas GTA says bas bysodysk learners

2. Receiving shee, combstippe modenn nee the

NOTE: Modems must be set in the automatic answer mode.

a. DTR Signal OFF (PC not in Terminal Mode). With CO call in progress:

 Depress DR key and receive ring back P. D.S. tone.

Place PC in Terminal Mode.

DTR signal from DTE comes ON.

# SAMPLE LED INDICATIONS

DT green LED lights.

DI CO/PBX and

red LEDs light.

ANS | LED goes off.

DT | green LED lights.

LEG goog GEL 60 78 78

DOMERY | mod | D.E. To ason GSJ | BMA COVERX | sed stud | D.L.

green LEDs light

CO/PBX green LED is lit steady. DR | red LED lights. SYMETE TREATMENCY LIONS

ANS LED lights.

DR | green LED flashes.

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## SAMPLE LCD INDICATIONS

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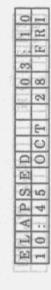
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CHYBARRY

PALE SIGNED LIVE BONN OAL

a.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook

Modems that provide a DSR signal to the Multiline Terminal will go off-hook (before DSR signal occurs) of East from mogeta counter ou With data call in brottess

After DSR signal from modem comes on. and of langua side a shirt provide a DSR signal to the

magie HZCL ship b. DTR Signal ON. (PC in Terminal Mode). With CO call in progress.

out of Terminal Mode (or turn · Depress DR key and receive ring back tone.

b.1 Modems that do not provide DSR signal to the Multiline Terminal will go off hook.

b.2 Modems that provide a DSR signal to the Multiline Terminal will go off book (hefore DSR Although the publicate: signal occurs).

After DSR signal from modem comes on.

SAMPLE LED INDICATIONS

CO/PBX | red and | DR

ANS LED goes off. green LEDs light.

CO/PBX and DR red LEDs light.

ANS LED goes off.

green LED lights. DR

green LED is lit steady. CO/PBX

green LED flashes. ANS LED lights DR

CO/PBX red and DR

ANS LED goes off. green LEDs light.

red LEDs light. CO/PBX and DR

SAMPLE LED INDICALIONS ANS | LED goes off.

green LED lights. DR

CHAPTER 4

SEPTEMBER, 1988 01:14:51

SAMPLE LCD INDICATIONS

DATA ONTO MODEM2

MODEM2 READY NOT

MODEM2 ONTO DATA

M O D E M 2 0 3 2 8 ELAPSED 10:45 OCT TO DATA

MODEM2 ONTO DATA MODEM2 READY NOT

MODEM2 ONTO DATA CHYBLEHIC

After DSR signal from modern comes on

#### 3. Abandoning

a.1. Data call originated by Multilline a. From Multiline Terminal in the system. Terminal

With data call in progress:

p. 1 940 Depress DT key ovide DSE signal to the

• Take PC out of Terminal Mode (or turn PC off.)

DTR signal from DTE goes OFF.

a.1.1 Modems that do not provide DSR signal to the Multiline Terminal will go off-hook. a.1.2 Modems that provide a DSR signal to the Multiline Terminal will go off-hook (before DSR signal occurs).

After DSR signal from modem comes on.

a.2. Data call received by Multiline Terminal.

With data call in progress:

at mon Depress DR key, ovige DER signal to the will go off hook .

Take PC out of Terminal Mode (or turn PC off).

DTR signal from DTE goes OFF.

### SAMPLE LED INDICATIONS

STIG | DR | Fed LEDS HEN red LED is lit steady CO/PBX

green LED is lit steady DT

DT red LED lights.

ereen LED Rashes. VAR | FED HERE

red LED goes off. DT

red LED goes off. CO/PBX

green LED is itt steady.

red LED is lit steady CO/PBX

red LED goes off. CO/PBX

red LED is lit steady CO/PBX

green LED is lit steady DR

red LED lights. DR DR | red LED goes off.

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SAMPLE LCD INDICATIONS

MODEM2 FRI 9  $\infty$ 2 ONTO OCT END 10:45 DATA DATA

FRI 2 8 OCT 10:45

FRI

2 8

OCT

10:45

MODEM2 ONTO DATA

1 3 END DATA

SAMPLE FOD INDICATIONS

FRI 2 8 OCT 10:45

bitavei STG ban sessist ritemotic abod nadW . T we escribed by system date, the user does not deed to depress DT key to terrainate a data rail. Terminal operations.

eailidade yas toodiw broodysi isaimtel en the next data call can be originated from a.2.1 Modems that do not provide DSR signal to the Multiline Terminal.

a.2.2 Modems that provide a DSR signal to the Multiline Terminal initially (before DSR signal goes off).

After DSR signal from modem goes off.

b. From data terminal keyboard:

HTC bessee and little NOTE: Modems in the modem pool must be capable of responding to keyboard commands such as the Hayes @ command set. 10000007

b.1. Data call originated by a Multiline Terminal:

With data call in progress:

command (example: +++ then, ATH) · Send data communication release from terminal keyboard. DSR signal from modem goes off and modem goes

NOTES: 1. When modem is reserved (above status) the next data call can be originated from on hook.

the terminal keyboard without any Multiline

Terminal operations.

are assigned by system data, the user does not 2. When both automatic release and DTR invalid need to depress DT key to terminate a data call.

#### SAMPLE LED INDICATIONS

red LED goes off. CO/PBX

red LED is lit steady. CO/PBX

red LED goes off. CO/PBX

red LED is lit steady. CO/PBX

green LED is lit steady. DT

green LED flashes. DT

red LED goes off.

CO/PBX

KWY500

ND-20292 MOLE: BOT'D legets to sect SEPTEMBER, 1988 CHAPTER 4 ton no enough gainsoft stephon

#### SAMPLE LCD INDICATIONS

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-	-		-

MODEM2 ONTO DATA MODEM2 ONTO DATA MODEM2 RESERVED

CHFELLES

CHAPTER 4 SEPTEMBER, 1988 ND-20292

b.2. Data call received by a Multiline Terminal:

With data call in progress:

Hea also a staniarist of yes! TO earngeb of been

 Send data communication release command (example: +++ then; ATH) from terminal keyboard. DSR signal from modem goes OFF and modem goes on-hook

· Take PC out of terminal mode (or turn PC off)

DTR signal from DTE goes OFF

Depress DR key.

not need to depress the DR key to terminate a data NOTE: When both automatic release and DTR invalid are assigned by system data, the user does

#### c. From Outside Party

b.1. Data call originated by a Multiline Terminal

e DSR signal to the With data call in progress: With data call in progress:

DSR signal from modem goes OFF and modem goes on-hook. NOTES: 1. When modem is reserved (above status) the next data call can be originated from the terminal keyboard without any Multiline Terminal operations.

2. When both automatic release and DTR invalid are assigned by system data, the user does not need to depress DT key to terminate a data call.

#### SAMPLE LED INDICATIONS

red LED is lit steady. green LED is lit steady. CO/PBX DR

red LED goes off. red LED lights. CO/PBX DR

red LED flutters. DR

red LED goes off. DR

red LED is lit steady. CO/PBX

DT | green LED is lit steady.

red LED goes off. green LED flashes. DT

CO/PBX

#### SAMPLE LCD INDICATIONS

01	2	2
×	M	M
区	田	田
D	Q	D
0	0	0
M 0	M	M
0	0	
13	L	D
O N	Z	Z
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V	A	A
E	E	E-
A	A	A
a	a	Q

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1	A	100		×
1	T			S
1	A	0		4
7	D	244	-	7

indicate flashing letters on actual display. NOTE: BOLD letters in sample display

WAR TRU Cook off.

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b.2. Data call received by Multiline Terminal.

DSR signal from modem goes OFF and modem goes on-hook.

With data call in progress:

· Take PC out of Terminal Mode (or turn PC off).

DTR signal from DTE goes OFF.

in the way

Depress DR key.

invalid are assigned by system data, the user does not need to depress the DR key to terminate a data NOTE: When both automatic release and DTR

- Abandoning Data Call while in Process.
- a. When Originating:
- a.1. Waiting for DTR signal from DTE:

Waiting for DTR signal from DTE to come ON: (PC is off or not in Terminal Mode).

Depress DT key.

SAMPLE LED INDICATIONS

red LED is lit steady. DR green LED is lit steady. CO/PBX

CO/PBX red LED goes off. red LED lights. DR

red LED flutters. DR

red LED goes off. DR

green LED is lit steady. CO/PBX

red LED is lit steady. DT

DT red LED goes off.

SAMPLE LCD INDICATIONS

ONTO MODEM2 DATA MODEM2 END DATA

MODEM2 OFF DATA FRI 00 2 OCT 10:45

FRI 0 3 : 1 0 3 œ 2 H READY ELAPSED 10:450C ELAPSED NOT

indicate flashing letters on actual display. NOTE: BOLD letters in sample display

e Depress DT key.

a.2. Waiting for DSR signal from modem:

Waiting for DSR signal from modem to come

Maining for DTR signal from DTE.

Miss Originating:

Depress DT key.

. Take PC out of Terminal Mode (or turn PC off). DTR signal from DTE goes OFF.

b. When Receiving. Mountaine telesses and DLS

b.1. Waiting for DTR signal from DTE:

Waiting for DTR signal from DTE to come ON: (PC is off or not in Terminal Mode).

or Take PC out of Terminal Mode (or burn

Depress DR key.

b.2. Waiting for DSR signal from modem:

b.2. Data rall received by Multiline Terroinal. Waiting for DSR signal from modem to come

Depress DR key.

#### SAMPLE LED INDICATIONS

CO/PBX green LED is lit steady.

green LED is flashing.

ANS LED is lit steady.

red LED lights. DT

ANS LED goes off.

DT | red LED goes off.

CO/PBX | green LED is lit steady.

DR | red LED is lit steady.

ANS LED is lit steady.

DR and ANS LEDs go off.

CO/PBX green LED is lit steady.

green LED is flashing. ANS LED is lit steady. DR

red LED lights. DR

ANS LED goes off.

MOLE ROTD ISTELLED SEL SEPTEMBER, 1988 CHAPTER 4 no anadist pridade Ospiber

ND-20292

#### SAMPLE LCD INDICATIONS

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the instring cycle name pettern © while aubacquent ring cycles follow pattern @.

SPCoffine and judications are the same as · Take PC out of Terminal Mode (or turn

DTR signal from DTE goes OFF.

5. Modem Reserve Timer times out (Terminal Keyboard Dialing assigned) repeated with modem reserved. the popowied shalpes

Butt state on peculi the test ring cycle) and pattern @ is used for Modem Reserve Timer times out, Calle (Texas) as

PCoff):sc Cht, 0.2 sec CEF (Intermittent tane) · Take PC out of terminal mode (or turn

out . Depress DT key. of bBX ferebrons

DTR signal from DTE goes off.

esoning calls from those

6. All modems busy, treated and available to pelb

With CO call in progress:

CO and PBX lines can be

Depress DT key.

· Depress DT key (again).

SXCS DTR signal from DTE is off, SCERES RESEL S 7. Cancelling Data Reserve Mode

NOTE: With CO call in progress, depressing the DT green LED is winking intermittently. ned Delayed Ringing, incoming ring tone OT key to cancel a reserved data path initiates a modem pool data call. "effet to rues

Albe Depress DT'key 's perfelling Landing is

Depress DT key again.

SAMPLE LED INDICATIONS

grab BX Copper vin | DR | red LED goes off.

green LED winks intermittently. DT

red LED lights. DT red LED flutters. DT

LED goes off. DT

CO/PBX | green LED is lit steady.

red LED flutters. DT

DT | red LED goes off.

ne brogrammed

red LED lights. DT

DT | LED goes off.

400 - 112

## SAMPLE LCD INDICATIONS

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When a line key on a Multiline Terminal is assigned Delayed Ringing, incoming ring tone starts after a predetermined time. All Multilline 120,34 Delayed Ringing

green i.d.D is winking intermittently line keys are the same as those for regular Terminal operations and indications at specific CO/PBX and internal incoming calls with the

ansituft CEL ber exception that the audible ring occurs after a preprogrammed time interval. Separate delays for day and night operations can be programmed. 420.35 Centrex Ringing

COURSY | gross LSD is lit steady Ring tone duty cycle for CO and PBX lines can be selected by the system programming.

differentiate outside incoming calls from those Two specific ringing patterns are available to help originated by a Centrex or PBX telephone.

@ 2 sec ON, 4 sec OFF

BT | red LED Rutters.

@ 0.5 sec ON, 0.5 sec OFF (Intermittent tone)

Example: If the system is programmed so that ring pattern @ is used for incoming outside calls (as well as for the first ring cycle) and pattern @ is used for internal Centrex/PBX calls, the following applies:

indications are the same as those of regular incoming outside calls and the ring pattern is 1. Incoming Outside Calls. All operations and as in @ above.

Incoming Internal Centrex/PBX Calls. All operations and indications are the same as those of regular incoming outside calls, however, the first ring cycle uses pattern @ while subsequent ring cycles follow pattern @.

green LED winks intermittently

DR | red LED goes off.

SYMBFE FED INDICKLIONS

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CHAPTER 4 SEPTEMBER, 1988

CONFRYALIS JUNES

430 Attendant Operation at gibly quinter D22 kell MOLE: It a is broklymmed to pe givied on

CO/PBX/Tie(Outside) Calls using the CO Add-On Module: 430.1

1. Originating:

a. Manual Dialing

 Depress an idle CO/PBX/Tie line key on the CO Add-On Module.

TENTON HE OF KIND

Lift handset to receive dial tone.

CO/PBX/Tie green LED on the CO Add-On Module lights.

COURSE. Dial desired number appl. Apply 18 pink on

Converse with called party. ps qualeg on ed bewelfal & laib one laib beequ ad bengies.

b. Last CO/PBX/Tie Number Redial.

 Depress an idle extension or CO/PBX/ Tie line key on the CO Add-On Module.

Lift handset to receive dial tone.

depress DSS key assigned for last CO/PBX/Tie lines as a first digit, number redial when using CO/PBX/Tie · Dial \* (If \* is assigned to be dialed on line keys).

Converse with called party.

CO/PBX/Tie green LED on the CO Add-On Module lights.

### SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

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#### c. Station Speed Dialing

- Depress an idle CO/PBX/Tie line key on the CO Add-On Module.
- · Lift handset to receive dial tone.
- Depress desired DSS key programmed station speed dial buffer number (00 for speed dial, or dial # followed by

1 0 : 4 5 0 C T 2 8 F R I

0 0 : 2 7 2 8 F R I

OCT

ED

L A P S

Converse with called party.

NOTE: If # is programmed to be dialed on CO/PBX/Tie lines as a first digit, depress DSS key station speed dial buffer number when calling on assigned for speed dial, and dial # followed by CO/PBX/Tie lines.

- d. System Speed Dialing
- Depress an idle CO/PBX/Tie line key on the CO Add-On Module.
- Lift handset to receive dial tone.
- Dial # followed by system speed dial buffer number  $(20 \sim 99)$
- Converse with called party.

NOTE: If # is programmed to be dialed on CO/PBX/Tie lines as a first digit, depress DSS key assigned for speed dial, and dial # followed by system speed dial buffer number when calling on CO/PBX/Tie lines.

#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

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CO/PBX/Tie

green LED on the CO Add-On Module lights.

green LED on the CO CO/PBX/Tie

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e. Consecutive Dialing:

- the CO Add-On Module, or or processor Depress an idle CO/PBX/Tie line key on
- Lift handset to receive dial tone.
- dialing, station speed dialing and Use any combinations of manual system speed dialing.
- · Converse with called party.

An additional dialing step may be required in the following cases:

- for speed dial access must be depressed prior to When a system speed dialing sequence follows a manual dialing sequence, DSS key programmed accessing the system speed dialing.
- . When a system speed dialing sequence follows a station or another system speed dialing sequence, DSS key programmed for speed dial access must be depressed prior to accessing the system speed dialing unless the last digit of number stored in the preceding speed dial buffer is \*.
- · When a station speed dialing sequence (using # followed by speed dial buffer number) follows a manual dialing sequence, it does not function.
- . When a station speed dialing sequence (using # followed by speed dial buffer number) follows a system or another station speed dialing sequence, it does not function unless the last digit of number stored in the preceding speed dial buffer is \*.

#### SAMPLE LED INDICATIONS

green LED on the CO CO/PBX/Tie

Add-On Module lights.

green LED lights. AMS LED goes off

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COVERNATIO | our star CO Add-On Mediula

### SAMPLE LCD INDICATIONS

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SAMELE FOD IMPROVATIONS

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2. Answering

a. Manually Selecting Line:

Depress CO/PBX/Tie line key on the CO
 Add-On Module associated with

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b. Answer Key:Depress ANS key with flashing LED.

the speed diel stants must be despessed being a despessed of the special stants of the special stants of the special s

Use handset to respond.

od tem gots inside step may be

c. Ringing Line Preference:

• Lift handset to respond.

NOTES: 1. CO line must be programmed for CO Add-On Module day ringing assignment.

2. Depression of ANS key with call in progress places original call on hold, with I-hold LED indication.

3. Prime line cannot be assigned to a line key appearing on a CO Add-On Module.

4. Hold, transfer, and conference are performed in the same manner as if the line keys were on the Multiline Terminal.

#### SAMPLE LED INDICATIONS

CO/PBX/Tie and ANS red LED's flash.

CO/PBX/Tie on the CO Add-On Module green LED lights. ANS LED goes off.

CO/PBX/Tie on the CO Add-On Module and ANS red LED's flash.

CO/PBX/Tie on the CO Add-On Module green LED lights. ANS LED goes off.

CO/PBX/Tie on the CO Add-On Module green LED lights. ANS LED goes off.

Add-On Module lights.

WELFE FED INDICVISORS

### SAMPLE LCD INDICATIONS

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SVALUE FOR IMPICVATIONS

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SAMPLE LCD INDICATIONS

circuits per card, is in use the call in process is quebbag apper, pps persh out

A There can only be 4 MFR-E ETU's with A

regardiess of whether the trunk is idle or

430.2 CO Trunk Selection and Test

- CO Trunk Selection and Test
- True BR Depress Primary Extension line key.
- Lift handset or depress SPKR key to receive dial tone, as companiented reus
- Dial Selection Access Code: (Default
- Dial Trunk Number (01~40) to be selected (Example 03).
- If the selected CO Trunk was idle and in good working order when selected, dial Digits dialed will tone will be heard. appear in the LCD.

caronad Joh PCD will judicate (he

If the CO trunk selected was busy, Busy Tone will be heard.

Dist Busy Out OK store Access Code

installed, Re-order or busied out tone · If the CO Trunk number selected is not will be heard, man's expansion live ken

EXT | Steeps LED HE

end testing. Repeat the above steps to test each CO Trunk circuit as required. · Restore handset or depress SPKR key to

NOTE: MFR circuits can also be tested, but this must be performed from a Single Line Telephone. Refer to Section 440.3 for this procedure.

.....

#### SAMPLE LED INDICATIONS

green LED lit. EXT

Multiline Terminal or CO Add-On Module. CO/PBX/Tie red LED will light if the selected trunk appears on the Attendant

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MOTE: MFR circuits can siso be tested, but this must be performed from a Single Line Telephone. subscord and to some decides for this procedure

CO Trunk and MFR Circuit Busy Out/Reslore: 430.3

Depress Primary extension line key.

Lift handset or depress SPKR key to receive dial tone.

Dial Busy Out/Restore Access Code: (Default 57).

circuit number (41~48) to be busied outor restored. The LCD will indicate the Dial Trunk Number (01~40) or MFR normal status of the selected circuit.

Digita dialed will OR Busied out.

OR Truink was idle and in

Not installed.

Dial # to busy out the selected circuit. Receive confirmation tone.

Dial \* to restore the selected circuit from Busy Out. Receive confirmation tone. Restore handset or depress SPKR to return to idle. Repeat the above steps to Busy Out/Restore additional CO Trunk or MFR circuits as required.

NOTES: 1. The same NORMAL indication is provided regardless of whether the trunk is idle or in use. 2. There can only be 4 MFR-E ETU's with 2 circuits per card.

3. If the trunk is in use the call in process is dropped after the busy out.

SAMPLE LED INDICATIONS

green LED lit. EXT

CO II | NORMAL

Multiline Terminal or CO Add-On Module and Led LED will fight High L selected trunk appears on the Attendant

EXT | green LED goes off.

SAMPLE LCD INDICATIONS

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BELLENDER TAR

SEPTEMBER, 1988

# 430.4 Originating Extension (Internal) Calls

#### ster is completed 1. Originating our rook Kelv

- · Lift handset.
- Receive ringback tone, voice page tone, depression of the same DSS key will console, to call the desired extension. or foward alert tone. (Subsequent Depress DSS key on the DSS/BLF toggle from tone to voice call.)
- If the call is not answered, another DSS key can be consecutively depressed to place another extension call (chain • F Chilled

#O.L.E.G. calling).eq bench wast bases abscritted jine
cornole egges besch engages.

- nebases inc. meh ou out ne nooner. Depress Titl' key on the DSSBLF ď.

consols before party answers.

2. If the Station Hunt pilot number is stored on the NOTES: 1. Virtual Extensions can also be DSS key, the associated LED does not light. assigned to DSS keys on the DSS/BLF console. Dispress DSS key on the DSS

### 2. Answering, Hold, Abandoning

See Sections 420.1.2, 420.1.3 and 420.1.4 of this manual.

#### SAMPLE LED INDICATIONS

EXT green LED lights.

green Lifth winks loter mittently.

DSS | red LED lights.

DSS | red LED goes off and another | DSS red LED lights.

CONFEX | red LED lights.

dil aniamay GEL bon | 280

and LED lights.

son LED to lit steady

# SAMPLE LCD INDICATIONS

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# 430.5 Attendant Transfer

With call in progress:

- console, to transfer the call; call is now Depress DSS key on the DSS/BLF on nonexclusive hold.
- · Voice announcement or ring back tone is heard.
- Depress TRF key on the DSS/BLF console before party answers.
- Depress TRF key on the DSS/BLF console after party answers.

NOTES: 1. Called party must press specified line indication changes as follows: depending on type of 4. Upon completing a transfer, the line key LED 3. When transferring a call to an extension, the 2. Called party's extension will ring or receive line key will remain reserved (on hold) until or ANS key to receive transferred call. camp-on depending upon status. answered at called extension. line key.

- CO/PBX line key:
  - After transfer is completed
- Extension line key:
- Originating Extension (Internal) Calla After transfer is completed

#### SAMPLE LED INDICATIONS

CO/PBX green LED is lit steady.

CO/PBX | green LED winks intermittently.

DSS | red LED lights.

CO/PBX |red LED lights.

DSS | red LED remains lit.

CO/PBX | red LED lights.

DSS green LED lights.

TRD goes off and another

green LED winks intermittently. CO/PBX

DSS | red LED lights

DSS red LED lights.

green LED winks intermittently. EXT

EXT LED goes off.

#### SAMPLE LCD INDICATIONS

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SETTEMBER, 1968 **会报学选品解析** M37-56393

#### 430.6 DND Override

#### 1. Internal Calls

· Lift handset and depress DSS key on the ringback tone or splash tone to voice DSS/BLF console to call the desired extension in DND mode; receive

DSS | red LED winks.

Wait for called party to answer, converse.

#### 2. Transferring Calls (Camp-on):

With a call in progress:

- Receive ringback tone or splash tone to console to call the desired extension in DND mode; call on nonexclusive hold. Depress DSS key on the DSS/BLF voice page.
- console before party answers; se DES key on the DESABLE Depress TRF key on the DSS/BLF
- Depress TRF key on the DSS/BLF 70 . console after party answersaffer

#### green LED is lit steady. CO/PBX

green LED winks intermittently. CO/PBX

DSS | red LED winks.

CO/PBX | red LED lights.

DSS | red LED continues winking.

CO/PBX | red LED lights.

DSS | red LED continues winking.

## SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

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#### SYMET'S POD INDICVATIONS

CHAPTER

# SAMPLE LED INDICATIONS

Saidaiw southbooks. Deal 880

DSS red LED lights.

 Depress DSS key on the DSS/BLF console programmed for internal zone

paging. Lift, Fol. ou the DEZABIT.

Lift handset.

430,7 Originating Internal Zone Paging

Bes | ted PED courings minking

Mecetve ringuack tone or spiseh tone to

Use handset to page.

console to call the desired extension in Die D mode; call on nonexclusive bold.

6. Debugs D22 read out pe D22/BFE

asteriw CEL ben | 880

CO(PBX | green LED winks intermittently.

COVERY Steen LED is lit sheedy

Z. Transferring Calls (Camp-on):

With a cell in progress:

DES (red LED winks.

Lift handset and depress DSS key on the

436.6 DMD Override

I. Internal Calls

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SYMPLE PED INDICYLIONS

SEPTEMBER, 1988

ND-20292 CHAPTER 4

### SAMPLE LCD INDICATIONS

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CHAPTER 4 SEPTEMBER, 1988

SAMPLE LCD INDICATIONS

P A G E F R I 1 P 1 0 : 4 5 O C T

DSS | red LED lights.

DBS | green LED(a) will go off

Med red PED Repre

MSC | red LED goes off

DSS Energy FD(s) will light

Mad fred LED lights.

SYMPLE TOD INDICATIONS

400 - 124

SAMPLE LED INDICATIONS

gebranes within few seconds the DSS/BTB.

430.8 Originating External Zone Paging

console automatically returns to DSS mode.

Depress DSS key on the DSS/BLF with messet Lift handset, cash it out out of the two console programmed for external zone the measage wailing mode

Cher on the DSS/BLF paging

Use handset to page.

Jos enw sgassent and enadw elosgos

Depress the DSS key(s) on the DSS/BLR

\* Depress MSC key on the DSMall.P

T. Depress DES key(a) on the DESCRIP.

Debteer D22 rev or ne D22/BTL Waiting

DESHEROLI

editor brokermused for messegs

430.9 Message Waiting

#### 1. To Set:

- Depress DSS key on the DSS/BLF console programmed for message waiting.
- Depress DSS key(s) on the DSS/BLF console where you want to leave a message.
- · Depress MSG key on the DSS/BLF console.

#### 2. To Cancel:

- Depress MSG key on the DSS/BLF console.
- Depress the DSS key(s) on the DSS/BLF console where the message was set.
- Depress MSG key on the DSS/BLF console.

two DSS/BLF consoles, both consoles go into NOTES: 1. When an attendant is associated with message waiting mode even if only one of the two consoles is put into the message waiting mode. 2. In the message waiting mode, if no DSS key is depressed within ten seconds, the DSS/BLF console automatically returns to DSS mode.

#### SAMPLE LED INDICATIONS

MSG | red LED lights.

DSS green LED(s) will light.

MSG | red LED goes off.

MSG | red LED lights.

DSS | green LED(s) will go off.

MSG | red LED goes off.

SYMPLE LED INDICATIONS

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ND-20292

#### SAMPLE LCD INDICATIONS

400 - 125

SEPT. EMBER, 1968

#### SEPTEMBER, 1988

#### 430.10 Night Transfer

1. To Set:

a. Dial access:

 Depress primary extension line key during day mode.

· Lift handset.

· Dial access code (Default: 68) for night HOLE Transfer Le two or more stroughly writing

· Receive confirmation tone and hang up.

b. Using NT Key:

· Depress NT key on the DSS/BLF console during day mode (NT: Key programmed for night transfer). a Beceive confirmation tene and hang up

2. To Cancel:

a. Dial Access:

· Depress primary extension line key during night mode.

• Lift handset.

Primary EXT | green LED lights.

Red LED associated with the key programmed for night transfer lights.

Primary EXT LED goes off.

NT | red LED lights.

NT | red LED is lit steady.

Primary EXT green LED lights.

SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

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SAMPLE LED INDICATIONS

NT | red LED goes off.

. • Dial access code(Default:68) for night

g Dist transfer.

A To Cancel:

control negat prode.

\* Lift bandset.

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SEPTEMBER, 1988

SAMPLE LCD INDICATIONS

N I G H T M O D E C N C L O C T 2 8 F R I 1 0 : 4 5

Primary EXT' LED goes off.

· Receive confirmation tone and hang up.

b.Using NT Key: 180 on the DEMBTE courses

During night mode.

FRI  $\infty$ NIGHT OCT 2 2 1 0 : 4 5

T S S S C O O T H O L H O L H O

Red LRD associated with the key programmed

for night transfer lights.

a tenant, the tenant goes into night mode when either attendant sets night mode. NOTE: If there are two or more attendants within

Tho ason GEAT | LED goes off

NT | red LED goes off.

Depress NT key on the DSS/BLF Console.

NT | red LED is lit steady.

Jashmari fil. | @

Primary EXT green LED lights.

a. Dishacesse.

the Might Transfer

REP. THREAT HER CHARLES

#### 430.11 Attendant Camp-On

With Call in Progress:

- console to transfer the call; call on non-· Depress DSS key on the DSS/BLF exclusive hold.
- Called party is busy and call waiting tone or busy tone is heard.
- b Depress ANS key to answer the incoming Depress TRF key on the DSS/BLF console.
- · Receive confirmation tone and hang up.

recalled on the line key used for the call unless it is within a predetermined time, the attendant will be NOTES: 1. If a camped on call is not answered 2. When camp-on is denied, error tone burst the primary extension line key.

followed by call waiting tone or busy tone is heard.

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gaignist Attendant Off-Hook Singing

#### SAMPLE LED INDICATIONS

CO/PBX green LED is lit steady.

DSS | green LED is lit steady.

CO/PBX | green LED winks intermittently.

CO/PBX | red LED lights in place of

COMPRY | RISSON TRD MINKS INTOLINITIES STATES

COPBX | green LED winks intermittently green LED tights. green! Rosen FED HRPF AME LED Ross off.

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### SAMPLE LCD INDICATIONS

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SAMPLE LED INDICATIONS

# 430.12 Attendant Off-Hook Ringing

When receiving off-hook ringing with call in progress using handset, one of the following operations can be chosen.

Report of the present call on hold and depress line with flashing LED to answer the incoming work call.

CO/PBX green LED winks intermittently

EXT and ANS red LED's are flashing.

CO/PBX | green LED is lit steady.

EXT green LED lights.

ANS LED goes off.

CO/PBX green LED winks intermittently.

ANS LED goes off.

EXT green LED lights.

b. Depress ANS key to answer the incoming

· Receive confirmation tone and hank up.

call and present call is automatically placed on

nonexclusive hold.

Called party is busy and call wakking tone or busy tone is beard.

exclusive hold.

With Call in Progress:

430.11 Vitendant Camp-On

CO(PBX green LED winks intermittently

COAPRY green LED is its steady

WELL TED MOICYLIOKE

#### SAMPLE LCD INDICATIONS

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WHILE POR HARICE FIOUR

SEPTEMBER, 1988

SAMPLE LCD INDICATIONS

# 430.13 Station Lockout name pans nb

- a) Cancellation of Station Lockout
- Depress primary extension line key.
- code (Defeuit: All Call 44;
- Lift handset.
- Dial access code (Default: 62).
- · Dial extension number of the station where lock out is to be cancelled.

क्ता प्रशेष र कृति **-**

- - · Receive confirmation tone and hang up.
    - b) Default of secret lockout code.
- Depress primary extension line key.
- · Lift handset.
- 1 199000 (71)
- Dial access code (Default: 62).
- requiring lockout code defaulted to Dial extension number of station
- Dial \* to default station lockout code and receive confirmation tone.
- · Hang up.

NOTE: To default the lockout code of a station that is in the lockout mode you must first cancel the station lockout.

### SAMPLE LED INDICATIONS

Primary EXT green LED lights.

Brimary EXT green LED lights.

Busser PRD Boss cu. Primary EXT green LED goes off.

Primary EXT green LED lights.

BATTERNA BYT

Primary EXT green LED goes off.

RELIEMBER 1888

FRI CANCEL 28 FRI FR FR F R OCT 28 FR F R OCT NCEL NUMBER OCT 28 2 R 2 8 00 2 L 1 0 : 4 5 OCT L OCT 0 C T 000 LOCKOUT L EX CODE: 45 1 0 : 4 5 4 5 4 5 CODE 10:45 1 0 : 4 5 1 0 0

that is in the lockout mode you must lited cancel seitese a to about the dealed of the services of the services

430.14 Call Forward Set/Verify/Cancel

1. To Set: . to degent artifice jockent code find

Depress primary extension line key.

• Lift handset, wanget of starrow

 Dial access code (Default: All Call - 44; Busy/No Answer - 45).

 Dial source extension number (where calls are forwarded from).

De Dial destination extension number (where calls are forwarded to). · Receive confirmation tone and hang up.

2. To Verify: See 18 10 ps castos page

• Depress primary extension line key.

· Lift handset.

• Dial access code (Default: All Call - 44; Busy/No Answer - 45).

Dial source extension number.

Gheck with LCD and hang up.

### SAMPLE LED INDICATIONS

Primary EXT green LED lights.

Primary EXT | green LED goes off. Resea CEL House Primary!

Primary EXT green LED lights.

Prinsty EXT Stean LED Hepts

Primary EXT green LED goes off.

ND-20292 CHAPTER 4 SEPTEMBER, 1988

# SAMPLE LCD INDICATIONS

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a Deficere CML Fox

3. To Cancel:

SAMPLE LED INDICATIONS

Depress primary extension line key.

Primary EXT green LED lights.

Lift handset. and vizz good

When programming system speed dist con-

 Dial access code (Default: All Call - 44; Busy/No Answer - 45).

Depress AMS key to enter the number

Dial source extension number, 22, 1000

17.00

 Diel trunk access code followed by enter

Dial \*

number (20 - 99). Exemple: Dial 45

Receive confirmation tone and hang up.

Primary EXT green LED goes off.

\* 10101

Depress CMF key.

CME TED UMPER

L'Ic Program (while station is idle)

An effection of every exercise, erase and verify Alberton of every executed to the terrant.
Alberton of every expeed dist builder to each exchange and every executed to the terrant.

130.15 Programming System Speed Dist

EVWEITE TED INDICVLIONE

ND-20292
CHAPTER 4
SEPTEMBER, 1988
SAMPLE LCD INDICATIONS

10:45 OCT 28 FRI

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SYMBIE FOD MDICKLIONS

SELECTOR SELECTOR

430.15 Programming System Speed Dial

An attendant can program, erase and verify Allocation of system speed dial buffers to each system speed dial allotted to the tenant. tenant must be done by system programming.

1. To Program (while station is idle):

Depress CNF key.

• Dial #.

 Dial desired system speed dial buffer number (20 ~ 99). Example: Dial 45.

telephone number you want to enter. Example: Dial 73 and 516 753 7000. Dial trunk access code followed by

 Depress ANS key to enter the number you programmed. When programming system speed dial consecutively, dial another system speed dial buffer number after depressing ANS key.

Depress CNF key. ceremine real

2. To Verify:

Depress CNF key.

• Dial #

SAMPLE LED INDICATIONS

CNF LED flutters.

Primary EXT | green LED goos off.

CNF LED goes off.

CNF LED flutters.

SEPTEMBER, 1988 ND-20292 CHAPTER 4

SAMPLE LCD INDICATIONS

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SEPTEMBER, 1988

# SAMPLE LCD INDICATIONS

SAMPLE LED INDICATIONS

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LED goes off.

CNF

Depress CNF key.

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speed dial buffer.

3. To Delete: Degree 50

· Depress CNF key.

· Dial#.MOLE +

To verify the contents of speed dial buffers consecutively, depress ANS key and dial another

 Dial desired system speed dial buffer number (20 ~ 99). Example: Dial 45.

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CNF LED flutters.

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CNF LED goes off.

Depress CNF key.

When deleting the contents of speed dial buffers consecutively, dial another buffer number and depress HOLD, ANS key, per set and

EXFMENT: Bugsal job a 1888 8:22 V'SI

Depress ANS key.

Depress HOLD key.

Dial desired system speed dial buffer

number (20 ~ 99). □

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The clock/calendar can be set from the attendant 430.16 Clock/Calendar Setting Multiline Terminal only.

EXAMPLE: Friday, July 4, 1986, 8:35 A.M.

1. Depress CNF key and \*.

2. Hour Setting: Dial 0, 8.

Dial desired system speed dist buffer

3. Depress DSS key 20.

(See NOTE 4)

4. Minute Setting: Dial 3, 5.

Depress CMF key

5. Depress DSS key 20.

6. Day Setting: Dial 0, 4.

le serify the contents of speed dist buffers course 7. Depress DSS key 20.8 and qual subcuel

8. Month Setting: Depress line key 7:

. r(See NOTE 1) state abased qual praget

Depress DSS key 20.

SAMPLE LED INDICATIONS

LED flutters. CNF

ND-20292 SEPTEMBER, 1988 CHAPTER4

SAMPLE LCD INDICATIONS

CLOCK CLOCK PROGRAM HOUR PROGRAM HOUR

CLOCK PROGRAM MINUTE

0 8

C L O C K PROGRAM MINUTE

CLOCK C L O C K PROGRAM PROGRAM DAY DAY

CLOCK PROGRAM MONTH

C LOCK PROGRAM MONTH

CLOCK PROGRAM YEAR

#### SAMPLE LED INDICATIONS

10. Year Setting: Dial 8, 6. (See NOTE 3) 11. Depress ANS key to enter data. (See NOTE 4)

CNF LED goes off.

#### SAMPLE LCD INDICATIONS

X	8
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Note 1: Valid Entries

Anertouried date and dekress 1932 ket 30 ro

 $00 \sim 59$ Minute:

Day: 01 ~ 31

JAN ~ DEC (set by line key) Month:

Month entry:

LKS AUG LK13 LK14 LK15 LK16 JULY LK7 LK6 JUNE LK5 MAY LK12 LK4 APR LKII LK3 NOV MAR LK10 LK2 OCT FEB SEP LK9 LKI JAM

Note 2: Day of the Week, Leap Year

Day of the week and leap year will be automatically set by entering month, date and year data ND-20292 CHAPTER 4 SEPTEMBER, 1988

Note 3: Year Data Entry:

If year data is 86 or greater than 86, the year is automatically considered  $1986 \sim 1999$ . If less than 86, the year is considered  $2000 \sim 2085$ .

Note 4: DSS Key 20, ANS Key:

SE FERTO FERT LERIS LERIS FILE (FRID

Depression of DSS key 20 advances setting mode. LCD goes back to display Hour Setting mode after Year Setting mode. Depression of ANS key enters data, and the LCD automatically returns to normal mode.

(aut size to the Check of the tree tree)

Note 5: Error Conditions:

ea - 00 stunii

When invalid data is entered, error tone is heard. Enter valid data and depress DSS key 20 to proceed.

(See MOUE 4)

(See MOTE 3)

SYMPLE LED INDICATIONS

SYBLER FOR INDIOVIDINE

BEPTEMEER 1988

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ND-20292

SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LED INDICATIONS

430.17 Programming Forced/Verified Account Codes

To Set -1 Depress CNF key and TRF key.

CNF LED rapidly winks.

CME | PED Recs off.

there secons number is displayed and Dial an account number (001~500).

 Dial an account code. (Max.: 13 digits) (Digit length is set in system programming.)

Depress ANS key.

The next account number is displayed allowing account codes to be programmed consecutively.) Funtages (001-200)

Depress CNF key.

CNF LED goes off.

Depress CMF key and TRF key

NOTE:

Account number: Max. 500 codes

(001~200)

Account code: Max. 13 digits

(Default: 10 digits)

di

# SAMPLE LCD INDICATIONS

Z D	100	0 0 1
	0	0
V	Z	Z 8
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SYMPLE FOD INDICATIONS

SENIEMBER, 1926 CHYSLEBA

#### SAMPLE LED INDICATIONS

To Clear Account Codes

There are two ways to clear account codes; individual clear and multiple clear.

Individual cleares. 245x 200 codes

. Depress CNF key and TRF key.

CNF | LED rapidly winks. CME- LED Some off.

• Dial an account number (001~500).

allowing account codes to be programmed beysiquib at medann Janessa tree sell)

Depress HOLD key.

htofarmminf.)

(might jought is set in system)

(Next account number is displayed and account code can be cleared consecutively.) Depress ANS key.code (prex 13 qraits) ■ Dislanaccount number (001-500)

Depress CNF key.

. Depresa CNF key and TRF key

trucooA bell'is Vibeoro's galmmargor's TLOEP

Codes

CNF LED goes off.

CME LED rapidly winks.

ND-20292 SEPTEMBER, 1988 CHAPTER 4

#### SAMPLE LCD INDICATIONS

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CHYSLES + SELLENBER, 1850

ND-20292

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#### SAMPLE LED INDICATIONS

SAMPLE LCD INDICATIONS

ACCOUNT

PROGRAM NO. ??

NO N

ACCOUNT ???

PROGRAM

ACCOUNT 200

PROGRAM 150 --

- Clearing Multiple Account Codes Simultaneously ď
- .. Depress CNF key and TRF key.

LED rapidly winks. CNF

. Dial \*.

a consecutive range of account code Dial start and end numbers (001 ~ 500) of numbers to be cleared.

PEDOM | PEDORE Depress ANS key.

(To-clear multiple account numbers

furthermore, repeat steps.)

and Taken

\* Depress CMF key. Depress CNF key.

CNF LED goes off.

Anneuncement activation on a ignant basis. Only stiendants can set and cancel Delay

į.

ACCOUNT PROGRAM c

FRI 2 8 OCT 10:45

SYMEL'S TOD INDICATIONS

PERPETE REPUBLICATION 1988

20202-075

400 - 140

SYMPLE TEB INDICATIONS

表

SEPTEMBER, 1988 CHAPTER4

#### SAMPLE LED INDICATIONS

430.18 Delay Announcement Set/Cancel

Announcement activation on a tenant basis. Only attendants can set and cancel Delay

· Depress CNF key.

Depress CME key

CNF LED flutters.

Depress desired line key.

LK9

multiple account numbers

~ LK10 green LEDs light.

LED OFF Cancel Cancel Set LED ON Set Night Mode FEATURE Day Mode LINE KEY NUMBER 10 6

Depress CMF key and TRF key

CME LED repidly winks

SYMPLE FRITTHDICYLIONS

## SAMPLE LCD INDICATIONS

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PROGRAM SPD	6		
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PETTEMBER, 1968 CHAPARES

# 440 Single Line Telephone Operation

# 440.1 CO/PBX/Tie Line (Outside) Calls

#### 1. Originating:

#### a. Manual Dialing:

- Lift handset and receive internal dial tone.
- Dial trunk access code (Default: 9, 8, 70 ~ 75).
- · Dial number for outside party.
- Converse when called party answers.

# b. Co as Prime Line Dialing: 67 (01 more our march quincing)

- · Lift handset and receive outside dial tone.
- · Dial number for outside party.
- Converse when called party answers.

# c. Uniform Numbering Network Dialing:

Answering

- Lift handset and receive internal dial tone.
- Dial extension number associated with the Uniform Numbering Network.
- Converse when called party answers.

#### d. Station Speed Dialing:

400 - 148

- Lift handset and receive internal dial tone.
- Dial # followed by station speed dial buffer number (00 ~ 19) associated with outside party to be dialed.
- obetate Converse when called party answers. The Killing powers will be sade the powers will will be sade the powers will be sade the powers will be sade to be powered by the power will be said to be powered by the power party of the power party be said to be processed t

#### e. System Speed Dialing:

- Lift handset and receive internal dial tone.
- Dial # followed by system speed dial buffer number (20 ~ 99)
   associated with outside party to be dialed.
- Converse when called party answers.

# f. Last CO/PBX/Tie Line Number Redial:

- Lift handset and receive internal dial tone.
- Dial \* for last number redial.
- Converse when called party answers. THBX LIFE HER UID OFF IFF.

# g. Consecutive Dialing: Vell feek and tecsive recount qist rous

- Lift handset and receive internal dial tone.
- Use manual dialing, followed by station speed dialing or system speed dialing.

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NOTE: Consecutive dialing cannot be made in the following cases:

- Station or system speed dialing sequence follows a manual dialing sequence. dialing sequence.
- Station or system speed dialing sequence follows another speed work Digling dialing sequence.
- 2. Answering:
- . Lift handset and converse.
- a Dist attaber for outside barch
- 3. Placing A Call On Hold:

With call in progress:

- . Depress the FLASII key (or momentarilly depress the hookswitch) and receive second dial tone.
- Dial access code (Default: 4 #) to place call on exclusive hold and hang up.
- Lift handset to place another call or to retrieve the held party by dialing access code (Default: 4 #).

(40.1 COPRENT'S Line (Outside) Calls

see Single Line Telephone Operation

4. Abandoning a Call

a. Using the handset:

wed by station speed dising or system

· Restore handset.

b. Using the PLASH key (or momentarilly depressing the hookswitch);

Depress the FLASH key and receive second dial tone

 Dial the CO release access code. CO/PBX/Tie line/DID call is released and new internal dial tone is provided.

Bright falls

Dial the Hookflash to CO access code and new outside dial tone is received.

5. Sending a Hookflash to the CO/PBX Line:

With call in progress:

- Depress the FLASH key (or momentarilly depress the hookswitch) and receive second dial tone.
- Dial the Hookflash to CO access code.

assigned to the system before these features can be used. This feature will NOTE: CO Release access code and Hookflash to CO access code must be operate only when the trunk is programmed as a PBX line.

beining with outside party to be dinied.

- and handest and receive internal dist on

d Station Speed Dialing.

# 440.2 Extension (Internal) Calls/Step Calls/Station Hunt

#### 1. Originating:

- Lift handset and receive internal dial tone.
- Dial desired extension number.
- Converse when called party answers.

#### 2. Step Calling:

After calling an extension (Example: 111) and receiving Busy Tone or Call Waiting Tone, to call extension 112:

- Dial new Last Digit (Example: 2), receive Ring Back Tone; wait for called party (Ext. 112) to answer; converse.
- 3. Station Hunt (Originating):
- · Lift handset and receive dial tone.
- Dial Hunt pilot number.

it she MFR circuit selected is idle and it good working order.

- Dist. M.F.II device sumber (41-43) to be selected and tested
- Dist Schotton Access Code (Dolaste 67)
- Filt pandact, receive internal dial lone

and, 3 MFR Circuit Selection and Test

Converse with called extension.

#### 4. Answering:

· Lift handset and converse.

### 5. Placing a Call on Hold:

- With call in progress:

   Depress the FLASH key (or momentarilly depress the hookswitch) to receive second dial tone.
- Dial access code (Default: 4#) to place the call on hold and hang up.
- Lift handset to place another call or to answer the held call by dialing access code (Default: 4 #).

### 6. Abandoning a Call:

· Restore handset.

# 440.3 MFR Circuit Selection and Test

- Lift handset, receive internal dial tone.
- Dial Selection Access Code (Default 67).
- Dial MFR device number (41~48) to be selected and tested.
- If the MFR circuit selected is idle and in good working order, internal dial tone will be heard.
- Dist Hunt bilot unuper OR
- if it is busy, busy tone will be heard.

8. Station Hunt (Originating): OR

- if it is not installed or busied out, re-order tone will be heard.
- Restore handset. Repeat the steps above to test all MFR circuits required.

NOTE: MFR circuits can be busied out or restored only by an attendant's Multiline Terminal. Refer to Section 430.3 for this procedure.

- a Converse when called party answers
- · Dial desired extension number
- a lift handset and receive internal distrone.

440.2 Extension (Internal) Calls Station Hunt

\* Restore handset.

disOn aninohnada, &

disting access code (Default: 4 %).

- hill handast to place another call or to answer the held call by
- e Depress the FLASH key for momentarilly depress the bookswitch; to receive second dist tone.

Busi access code (Default, 4#) to place the call no hold and hang

5. Placing a Call on Hold:

With call in progress:

sanavnes and denverse.

d Answering:

e Cenverse with called extension

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3. Recall will not occur until both a trunk in the queue group and the

extension which set the queue are both idle.

### 440.4 Trunk Queuing

A. To set a Trunk Queue:

After attempting to seize a CO/PBX/Tie trunk via dial access and receiving busy tone because all of the trunks in that group are busy;

- Dial Trunk Queue Access Code, \*1; receive confirmation tone.
- Restore handset

B. Receiving Trunk Queue Recall:

As soon as a trunk within the trunk group, to which the trunk queue was set, and the station which set the queue are idle, CO/PBX/Tie ringing will be received:

- Lift handset, receive CO/PBX/Tie dial tone.
- Dial desired number:
- Converse. Asket bands and and and and and a combleted .

C. To cancel a Trunk Queue:

- Lift handset, receive internal dial tone.
- Dial any Trunk Access code. See a properties of
- Restore handset, carrie or capanisation post

NOTES: I. Trunk Queue will be automatically cancelled if the recall to the station is not answered within a pre-programmed time interval.

2. Trunk Queuing cannot be accessed by any station that is assigned LCR. If this is attempted re-order tone will result. CHUBALER

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440.5 Transfer

 Depress the FLASH key (or momentarilly depress the With call in progress:

hookswitch); call is on consultation hold.

Dial extension number to be transferred to.

When ring back tone is heard, restore handset (transfer is completed when party answers)

C. To cancel a Trunk Queue:

When party answers, restore handset (transfer is completed).

When call waiting tone is heard, restore handset (original call is

camped on to busy extension),

NOTE: Unanswered transferred or camped on call will recall the station that initiated the transfer after the recall time interval has elapsed.

Hasall suoud Many Transcall. H

Distinguish Gusue Access Code, \*1; receive confirmation tene.

After attempting to salte a COABAThe trusk via dial access and receiving yeard share because all of the trunks in that group are busy. Sousse Stant Quence

at Recall will not occur until both a trunk in the quoue group and the extension which set the queue are both idle.

CHARLERY

## 440.6 Trunk to Trunk Transfer

- 1. With CO/PBX/Tie Line/DID call in progress:
- · Depress the FLASH key (or momentarilly depress the hookswitch); call is on consultation hold.
- Dialtrunk access code (default. 9, 8, 70~75) and desired number.
- Receive ringback tone and wait for called party to answer.
- . When party answers, restore handset, mouratell a quarter of the way

NOTES: 1. Both trunks involved in the transfer must be capable of providing remote call disconnect signals and must be programmed accordingly.

- before the talk start timer has elapsed (default is 18 seconds ). 2. Transfers will not be completed if the transfered call is not answered or
- 2. When second trunk is a CO/PBX line and the called station is busy or unattended:

With outside call in progress:

- Depress the FLASH key (or momentarilly depress the hookswitch); call is on consultation hold.
- Dial trunk access code (default: 9, 8, 70~75) and desired number.
- Receive busy tone or no answer, before the talk start timer times out, (default 18 secs.) depress the FLASH key (or momentarilly depress the hookswitch) or restore the handset.

Second call is released and first call recalls.

- · Depress the FLASH key (or momentarilly depress the hookswitch) after the talk start times out.
- Transfer is completed.
- Restore handset

3. When second trunk is a Tie line and the called station is busy or unattended: occ psugger

With outside call in progress: canstac post (Detente 4 %)

- hookswitch); call is on consultation hold. sugarnily spokess pps Depress the FLASH key (or momentarilly depress the
- Dial trunk access code (default: 9, 8, 70~75) and desired number.
- Receive busy tone or no answer.
- Depress the FLASH key (or momentarilly depress the hookswitch) or restore the handset.
- Second trunk is released and first call recalls.
- Converse when called party answers.
- Call third party.

BOX STREET, OTHER CONTRACTOR ROLE OF COURTRINGS THE STREET Depress the FLASH key for momentarilly depress the parties on hold can still talk to each other.

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#### 440.7 Conference

Possible conferences are as follows: 32 ETV SEL REA (OL MEDICULE)

- 4 stations No CO/PBX/Tie/DID lines
- 3 stations No CO/PBX/Tie/DID lines
- 3 stations 1 CO/PBX/Tie/DID line
- 2 stations 1 CO/PBX/Tie/DID line
- 2 stations 2 CO/PBX/Tie/DID lines
  - 1 station 2 CO/PBX/Tie/DID lines
- 1. Three Party Conference

With call in progress: 18 V COADRY like and the carried armerous to presh

• Depress the FLASH key (or momentarilly depress the hookswitch); original call goes on consultation hold.

Call second party.

cost signals and most be programmed ACLES. Converse when called party answers.

- · Depress the FLASH key (or momentarilly depress the hookswitch) to establish a three party conference.

NOTE: Three party conference calls can be transferred by establishing a four party conference and dropping out from the conference.

Depress the ELASH key (or momentarilly depress the

2. Four Party Conference

With three party conference in progress: 140.8 Trunk to Trunk Transfer

- Depress the FLASH key (or momentarilly depress the hookswitch); original conference goes on consultation hold and parties on hold can still talk to each other.
- · Call third party.
- Converse when called party answers.
- · Depress the FLASH key (or momentarilly depress the hookswitch) to establish a four party conference.

NOTE: Four party conference calls cannot be transferred.

a Depress the FLASH key (or momentarilly depress the

3. Placing a Conference Call on Hold

With conference call in progress; Hr. 3, 8'10-12) suggesting unupper

- · Depress the FLASH key (or momentarilly depress the hookswitch); conference call goes on consultation hold. com
- Dial access code for exclusive hold (Default: 4 #).
- · Restore handset.

en second trunk is a Tie line and the called station is busy or NOTE: A four party conference call cannot be placed on hold.

A Mestone pandaer

## 4. Abandoning a Conference Call

- Restore handset the full start grade grads out
- Depress the FLASH key (or momentarilly depress the

Dist access code and page.

440.8 Unsupervised Conference

Programme and Laceline papersus; quel pour

1. To Establish

With three party conference including two CO/PBX/Tie/DID parties in progress:

- Hookflash and receive second dial tone.
- Dial access code (Default: 4 #) for exclusive hold.
- Distances and to tigit test. I do to be selected the access said.
- Restore handset.
- all handset and receive internal dial to
- 2. To Re-enter the Conference
  - (shi-rawer (Maer-hie):
- Lift handset and receive internal dial tone.
- Dial access code (Default: 4 #) to reenter the conference.
- 3. To Answer Conference Recall

After a predetermined time since an unsupervised conference is established.

- The SLT rings for recall, we give quest questo questos screeks caquite
- Lift handset to answer the conference recall.

LIC handagt and receive internal digitor

4. Abandoning a Conference

o mastratas

After re-entering the conference or answering the conference recall.

Birling Year Pakin

Restore handset.

Converse with pering party

Thexil at ubo

- a Dist secess code (Default value is 586. Last digit of the access
- not into hendese and recover or state of the second title .

Ashdashi newank of S

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Defeatt values are as follows: (Last digit of each s

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440.9 Internal Zone Paging

1. To Originate:

Lift handset and receive internal dial tone.

Dial access code and page. conference recent

Default values are as follows: (Last digit of each access code is

When a 1550-rAll Call grove study by manbell rived conference is

551 - Zone 1

552 - Zone 2

553 - Zone 3

1.554 CAll Zones Beforage 4 %) to the other the conjectours

2. To Answer (Meet-Me):

- Lift handset and receive internal dial tone.
- Dial access code (Default value is 556. Last digit of the access
  - code is fixed) 16 (Delang ( 4) tot exchasine poly

· Converse with paging party, que rous

440.10 External Zone Paging

1. To Originate:

Lift handset and receive internal dial tone.

Dial access code and page.

Default values are as follows: (Last digit of each access code is

564 - All Zones 563 - Zone 3 562 - Zone 2 561 - Zone 1

### 2. To Answer (Meet-Me);

- Lift handset and receive internal dial lone.
- · Dial access code (Default value is 566. Last digit of the access code is fixed).
- · Converse with paging party.

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# 440.11 Consultation Hold (Broker's Call)

or broker's call. When a station having a call on consultation hold goes Consultation hold is established during the process of transfer, conference on-hook, the station will be immediately recalled.

## 1. Transfer or Conference:

With call in progress:

receive internal that tone

- · Depress the FLASH key (or momentarilly depress the hookswitch); first party goes on consultation hold.
- Dial second party.
- Consult with second party when answered.
- · Hang up to complete transfer, or hookflash to establish a conference.

· When second party (internal) hangs up, the station is reconnected to the first party.

Diel Call Park Access Code (Default 44)

- Broker's Call: 1014 1019
- awitch) and receive second distitute, (cell is placed on a. Originatings a tre brack for assubutingly achtere no

With call in progress; OLBXALFCDID or compresses only in blockers

· Depress the FLASH key (or momentarilly depress the decire c hookswitch) to receive second dial tone.

- Dial access code (Default: 4 #) to place first party on exclusive
- Receive internal dial tone and call second party.
- Converse with second party when answered.
- · Depress the FLASH key (or momentarilly depress the hookswitch) and dial access code (Default: 4 #) to place second party on exclusive hold.

The station is automatically reconnected to the first party.

b. Answering:

With call in progress:

Dial O to call the assectated attendant.

- and dial access code (Default: 4 #) to place first call on exclusive · The station receives camp on or override tone, then hook flash
- Hang up and receive ring tone.
- Lift handset to answer the second call. Care to the barry
- Depress the FLASH key (or momentarilly depress the hookswitch) and dial access code (Default: 4 #) to place the second call on exclusive hold:

The station is automatically reconnected to the first party.

NOTE: In such cases (a and b) successive access to exclusive hold alternates the connection between the first and second parties.

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440.12 Call Parkical) to sective second qist rous

FLASH key (or momentarilly depress the A. To Park a Call:

With an extension, CO/PBX/Tie/DID or conference call in progress:

- hookswitch) and receive second dial tone, (call is placed on Depress the FLASH key (or momentarilly depress the Consultation Hold). Brogg
- Dial Call Park Access Code (Default 4\*).
- Dial Call Park Location Number (0~9) Example: 0, receive confirmation tone.

If the Call Park Location number dialed is busy (busy tone received):

- Use step calling to advance to an idle call park location.
  - Example: Dial 1, receive confirmation tone.
- · Restore handset.

ed mamentarilly depress the

B. Retrieving a Call from Park:

Lift handset, and receive internal dial tone.

Dial Call Park Access Code (Default 4\*). •

Dial Call Park Location number (0~9) of the call to be retrieved; converse. If an idle Call Park location number is dialed, reorder tone will be heard. OK BLOKE ..

nantiation Hold (Broker's Call)

NOTES: 1. Any call left in Call Park for more than a pre-programmed interval will recall to the station which parked the call. This recall can be picked up by other stations in the system via Directed Call Pickup. If you park a conference call or put a conference call on exclusive hold, you cannot retrieve another parked call and you cannot answer another recalling and some of the live place the DG GENET SHEET parked conference call.

2. Two independent adjustable recall timers (conference and 2 party calls) are available for Call Park calls. This allows for parked conference outside parties to maintain a conversation without frequent recalls to the party that parked the call.

440.13 Dial 0 For Attendant Delant as 10 byeco and cast of exchanges sub on or exertide tone, then book hash

- Lift handset and receive internal dial tone.
- Dial 0 to call the associated attendant.

NOTE: When the associated attendant is busy, calls to the attendant can be routed to another attendant, depending upon system programming. If the associated attendant is call forwarded to another station, calls to the attendant will be automatically forwarded to that Pepress the FLASH key for mementarilly depress the station of the first such that such

Converse with second party when answered

Receive internal dial case and call second party

Dial access code (Default: 4 %) to place first party on exclusive

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#### 440.14 Call Pickup

### 1. Call Pickup - Directed

Another station is receiving an incoming call:

- Lift handset and receive internal dial tone.
- Dial access code (Default: 6 #)
- Dial the extension number receiving the incoming call.
- · Converse with calling party.

. Regiet the extension number.

NOTE: Incoming CO/PBX/Tie calls, Extension Calls, Transferred Calls, Hold Recalls, Transfer Recalls, and Voice paged calls can be picked up.

### 2. Call Pickup - Group

Another station is receiving an incoming call.

- Lift handset and receive internal dial tone.
- Dial access code (Default: 6\*) and converse with calling party

pickup group as the station the call was originally directed to. NOTE: To pick up incoming calls a station must be within the same call

Incoming CO/PBX/Tie calls, ringing extension calls and transferred calls can be picked up.

regile Caliback Reduce; Message

## 440.15 Night Call Pickup

With incoming CO/PBX call during night mode:

- Lift handset and receive internal dial tone.
- Dial access code (Default: 60).
- · Converse with calling party.

NOTE: Only incoming CO/PBX calls can be picked up.

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## 440.16 Callback Request Message

I. To Set:

ing COLEBICLIS calls' Lingins extension 69 he sug purelent of cells

Upon receiving call waiting tone, busy tone or no answer when placing an extension call:

- Dial access code (Default: #) and course says caping barra
- · Receive confirmation tone and hang up.

NOTE: Access code must be dialed within a predetermined time after dialing the extension number.

2. Call Plokup - Group

#### 2. To Cancel:

- Lift handset and receive internal dial tone.
- · Redial the extension number.
- Restore handset,
- . The the extension number receiving the incoming call.
- Dish senses code (Default, 6 %)
- snot (aib lancatul eviscer bus teabnad fill .

Another station is receiving an incoming call

L. Call Pickup, Directed

440.14 Call Pickup

NOTE: Only incoming COPBX salls out he picked up.

- \* Converse with calling party.
- e Dial access code (Default: 60).
- a Lift handset and receive internal dial tone.

With incoming COAPBY call during night mode

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440.17 Camp-On

1. To Originate: 8 code (Default 4%) to apace because call on exclusive

Upon receiving call waiting tone when transferring a call to a station:

Restore handset.

h. Placing Present Call on Exclusive Hold:

NOTE: The station originating camp-on will be recalled when camp-on is denied or when camped on call is not answered within a predetermined Can to terminate present call time.

To Answer:

With call in progress; receive camp-on tone:

- a. Terminating Present Call:
- Hang up to terminate present call.
- Lift handset to answer the camped on call when station rings.

b. Placing Present Call on Exclusive Hold:

- · Depress the FLASH key (or momentarily depress the hookswitch) to receive second dial tone.
- Dial access code (Default: 4 #) to place present call on exclusive d usup sett mentring toos apen d
- Hang up, then receive ring tone.
- · Lift handset to answer the camped on call. 440.18 Tone Overvide

· Restore handset to terminate the camped on call, then lift handset to retrieve the exclusive held call by dialing the access code (Default: 4 #).

· Depress the FLASH key (or momentarily depress the hookswitch) and dial the access code (Default: 4 #) to place the camped on call on exclusive hold, then converse with the exclusive held party again (Broker's Call).

exclusive held party again (Broker's Call). end sat work on the secess code (Default 4s) to place the tone Depress the FLASH key (or mementarily depress the

code (Default: 44),

handret to retrieve the exclusive held call by disling access

- Lift pandset to answer the tone overridden call
- Hang up, then receive ring lone.

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440.18 Tone Override

men receive ving tone 1. To Originate:

Upon receiving call waiting tone when placing an extension call:

- Dial access code (Default: \*0). Opens Decress cast on exceptions
- Receive override tone.
- EPVER Fed (or momeurally qebiese the
  - Talk to party when answered.

NOTE: Access code must be dialed within a predetermined time after dialing the extension number.

2. To Answer:

With call in progress; receive override tone:

a. Terminating Present Call:

- Hang up to terminate present call
- . Lift handset to answer the tone overriden call when station ACLE L'rings.
- b. Placing Present Call on Exclusive Hold:
- Depress the FLASH key (or momentarily depress the hookswitch) to receive second dial tone.
- Dial access code (Default: 4#) to place present call on exclusive

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- Hang up, then receive ring tone.
- Lift handset to answer the tone overridden call.
- handset to retrieve the exclusive held call by dialing access Restore handset to terminate the tone overridden call, then lift code (Default: 4#).

Depress the FLASH key (or momentarily depress the hookswitch) and dial access code (Default: 4#) to place the tone overridden call on exclusive hold, then converse with the exclusive held party again (Broker's Call).

camped on call air exclusive hold, then converse with the exclusive held party again (Broker's Call).

Degrees the FLASH key (or momentarily depress the

code (Default: 4 #).

hendeet to retrieve the exclusive held call by disting the access Restore handset to terminate the camped on call, then life

CHYLLESS 4

440.19 Automatic Callbackedsa can pe brothemmed them yerevquur

est. To Setconnr code Leanger fent will pe reaned and coffeige cult Upon receiving call waiting tone or busy tone when placing an extension call:

- Dial access code (Default: \*1)
- - · Receive confirmation tone and hang up.
- · The station setting automatic callback rings when called station pecomes iglesed Account Code Entry Access Code and receive
- Lift handset and wait for called station to answer.
- . Converse with called party, of veconut Code

NOTE: Access code must be dialed within a predetermined time after dialing the extension number.

2. To Cancelter of quality for the seconnit code is getermined ply sharenged to the seconnity of the seconni

- Redial the extension number.
- Restore handset.

hookewicch) and dish # . #

callbacks each at any one time. Automatic callback will be cancelled if NOTE: Any station can set and receive a maximum of 3 automatic unanswered within a predetermined time at originator's station.

grand abod trupped \$2.044

- 1. With CO/PBX/Tie/DID call in progress: preceding the consequent
- . Depress the FLASH key (or momentarily depress the hookswitch) and dial #,#.
- · Dial an account code.
- · Automatically go back to conversation.

NOTE: A maximum of 14 digits can be entered as an account code. The maximum number of digits for the account code is determined by system programming.

HOL2. Account Code - Forced/Verified Approx 3 bregetermined from silfer

Outside Call Origination using Account Code:

- Lift handset and receive dial tone.
- Dial a Forced Account Code Entry Access Code and receive second dial tone. (One must be assigned in System Programming Memory Block 2E1.)
- Dial a valid account code and receive dial tone.
- Dial a trunk access code and desired number.

NOTES: 1. If the dialed Account Code does not coincide with the registered account code, reorder tone will be issued and outside call origination is not enabled.

2. The valid Account Codes can be programmed from Attendant Telephones only.

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### 440.21 Call Forward

### 1. From source SLT

#### a. To Set:

- Lift handset and receive internal dial tone.
- Dial access code (Default: All call 41, Busy/No Answer 42).
- Dial destination station's extension number.
- Receive confirmation tone and restore handset.

#### b. To Cancel:

- Lift handset and receive internal dial tone.
- Dial access code (Default: All Call 41, Busy/No Answer 42).

### 

- Receive confirmation tone and restore handset.

## 2. From destination SLT.

## a. To Set: 1 CLEUK Scoon code

- Lift handset and receive internal dial tone.
- Dial access code (Default: All Call 47, Busy/No Answer 48).
- Dial source station's extension number.

- · Dial destination SLT's extension number.
- Receive confirmation tone and restore handset.

#### b. To Cancel:

- · Lift handset and receive internal dial tone.
- Dial access code (Default: All Call 47, Busy/No Answer 48).
- · Dial source station's extension number.
- . Dial \*
- Receive confirmation tone and restore handset.

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# 440.22 Programming Station Speed Dial

- Lift handset and receive internal dial tone.
- Dial access code (Default: 58) and speed dial buffer number  $(00 \sim 19)$ .
  - Dial trunk access code.
- Dial number to be stored.
- · Restore handset.

## NOTE: Pause or hookflash signals can not be programmed into SLT station speed dial buffers.

- Pini access code (Default All Call . 41, Busyllo Answer 42).
- enotials langeled evisors and sabnad fill \*

- a liecoive confirmation tone and restore bandest
- Diel access code (Default: All call 41, Busydo Answer 42).
- shoulfaib lannathi sysenat baa iashnah ala. .

#### 1982 of .8

### 440.21 Call Forward

Receive confirmation tone and restore handset.

- Dista
- Dial source station's extension outdoor
- \* Dial access code (Delauk: All Call 47, Busylly Answer 48)
- e Lift handset and receive internal dial tone.

#### desing Of d

- nedman designation SLT's extension number.

### 440.23 Station Lockout

- 1. To Set 191 soice usil print secone code (pelenir 23) per soice mani torich bout stud tearly horn med pox
- Lift handset and receive internal dial tone.
- · Dial access code (Default: 61) and lockout code.
- Receive confirmation tone and restore handset.
- 2. To Cancel near only subject to 27.12 with a thereeks fruit
- Lift handset.
- Dial access code (Default: 61) and lockout code.
- Receive confirmation tone and restore handset.

#### Joshnan fill a

## 3. Change of Lockout Code:

- Dial access code (Default: 59) and current lockout code.
- Dial \*, new lockout code and \*
- Receive confirmation tone and restore handset.

NOTE: Default value of lockout code is 0000000000 (ten zeros). The maximum number of digits for lockout code is 10.

## Cancelling station lock out.

Message waiting and automatic callback can be set to a station

programmed for lockout. Activities on a locked out station are as follows:

Station lockout capability is determined by class of service assignment.

Call forward setting prior to station lockout is still valid.

Restore inandest.

### S. Abandening a Call

Retrieving a message from voice wall cancels the message mincelon.

### 4. Canceling a Message:

2. Attendant Multime Perminals can also loave a message on a single ine telephone with a message lawy. Therefore, in some cases, there may north S. 1. Some voice mail systems cannot have a measage on a station. System programming is required for voice mail hunting.

CHYBLEN'S

2. Attendant Multiline Terminals can also leave a message on a single line telephone with a message lamp. Therefore, in some cases, there may

be no message from voice mail even when message lamp is lit.

3. System programming is required for voice mail hunting.

Retrieving a message from voice mail cancels the message indication.

5. Abandoning a Call:

Restore handset

4. Canceling a Message:

NOTES: 1. Some voice mail systems cannot leave a message on a station.

440.24 Voice Mail Call

GOLE: Dessit Asses of secron, code is 660000000 (ren retor)

Lift handset and receive internal dial tone.

Dial voice mail hunt access code (Default: 63) for voice mail entry port.

 Follow the instructions given by voice mail system when answered.

2. To Answer:

· Lift handset.

Listen for a message from voice mail system.

NOTE: Some voice mail systems cannot originate calls.

3. Retrieving a Message:

The following operation only applies to SL'I's with a message lamp. (See Notes 1 & 2).

deceive dentimienton tone and restore handset.

When message lamp is lit; ngr 233 sad jock on tengs

- Lift handset and receive internal dial tone.
- Dial voice mail hunt access code (Default: 63) for voice mail entry port and reach your mail box.

Listen for a message.

· Cancelling station leck out

Programmed for lockout. Activities on a locked out station are sa follows:
Measage waiting and automatic caliback can be set to a station
Reasage waiting and automatic caliback can be set to a station

e Call forward setting prior to station lockout is atill valid

CHARLES TO

ND-20292 CHAPTER 4 SEPTEMBER, 1988

450 Directory Terminal Operation course while

450.1 General Especial FCD quadratic ETE-16K-( ) Multiline Terminal is the Directory Terminal described in Section 170 of this manual.

The unique DIRECTORY feature with large display is available only to this Multiline Terminal.

is to tables a control or appoint

Standard system features other than the Directory feature also apply to this Multiline Terminal, therefore, only operations of the DIRECTORY with large display are described in this section.

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\* Depress DIS Sey, the large PCB speak

basic.

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And & Page Selection

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PARTE TO TABLEVILOUS

SEPTEMBER 1288

## 450.2 Page Selection

In idle mode, the large display shows DSS/Station Speed Dial indications as the first page.

 Depress DIR key; the large LCD shows LOCATION/SECTION page as the second page. charge graphs are described in this section.

Charge sign abbit to this Mulfillus Lathning!

• Depress DSS key associated with desired LOCATION/SECTION (Page 3~12).

sailitude side of the sidelines at esignification

NOTES: 1. While displaying LOCATION/ SECTION page (Page 2), depression of DIR key makes the LCD display Page 1. LOCATION/SECTION page (Page 2).

3. The LCD changes to display Page 1 if there is no action performed within 10 seconds while displaying Page 2~12.\*

of DIR key makes the LCD display

## SAMPLE LED INDICATIONS

## SAMPLE LCD INDICATIONS

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ND-20292 CHAPTER 4 SEPTEMBER, 1988

# 450.3 Programming Page List Name

a. Depress DIR key.

SAMPLE LED INDICATIONS

b. Depress CNF key.

CNF LED flutters.

c. Depress DSS key.

LED flutters. CNF

using the keypad. (Refer to chart on page d. Enter desired name by dialing digits 400-168). ... CAS FOR

a. Seiset pege as described in Section

CME | LED Butters

e. Depress CNF key to enter page name. 12074 La oftennuine prayou gheed pres

f. Depress CNF key.

CNF LED goes out.

## SAMPLE LCD INDICATIONS

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400 - 166

400 - 186

ME LED Soceen

f. Depress CMF key.

## SAMPLE LED INDICATIONS

press CMF key to enter page name.

1. To Program

450.4 Programming Station Speed Dial

 a. Select page as described in Section 450.2.

b. Depress CNF key.

CNF LED flutters.

d. Buter gazised using phajative quese

c. Depress desired DSS key to program

c. Depress DSS key

p. Depress CMF key

a. Depress Diff key.

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SYMBI'R I'CD INDIOVALONS

SEPTEMBER, 1986

ND-20292 CHAPTER4 SEPTEMBER, 1988

MOTES: I. When charging the name only, skip steps stages and h

ir follows: CME key to go back to on-tine d. Enter desired name by dialing digits as

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of the of applicable

the ANS key to enter it. Repeat this step to enter After each desired character is selected, depress all desired characters.

NOTE: SP represents SPACE.

## SAMPLE LED INDICATIONS

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CHYMAER

ND-20292

SEPTEMBER, 1988 CHAPTER 4

MOLE: 25 tehterepts 25 VCE

e. Depress DIR key to enter the name then

20 ( C)

Station speed dial has been programmed into the DSS key, then the Multiline Terminal goes back to be programmed into a DSS key in another page, go the end of step b, then repeat step c. through step g. another station speed dial number is necessary to back to on-line by depressing CNF key again and for additional station SPD programming. repeat step a. through step g.

h. Depress CNF key to go back to on-line mode gezineg verse på gisjink gilige se

LED goes off.

CNF

NOTES: 1. When changing the name only, skip steps e. and f. followed by steps g. and h.

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**多数方式光列油影影"1888** 

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SAMPLE LED INDICATIONS

- When changing a stored trunk access code and telephone number, skip step d. and perform step e., f., g. and h.
- A maximum of 7 characters can be entered per name.
- 4. A maximum of 16 digits can be entered for a telephone number. This includes \*, #, pauses and hookflash.
- 5. When a system speed dial number needs to be If a pause is required anywhere in the dialing of access code, depress ANS key (instead of dialing #) the number, depress the TRF key (each depression entered into a speed dial buffer, enter a trunk and then enter a system dial buffer number (20~99). counts as one of the 16 digits).
  - 6. Hook flash (RECALL key) signal can be programmed as the first digit of a Speed Dial number. Hook flash counts as I digit.

# 2. To Verify at HOYD Felt to steek ustus

- · Select page as described in Section
- · Depress desired DSS key; contents of station speed dial will be shown for 10 seconds

#### 3. To Clear

- a Select page as described in Section 450.2.
- b. Depress CNF key.

CNF LED flutters.

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ND-20292 SEPTEMBER, 1988 CHAPTER 4

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SAMPLE LED INDICATIONS

\$ To Clear

c. Depress desired DSS key. Depress desired DSB key; centents of

a Select page as described in Section

d. Depress HOLD key to erase name.

dook fish (RECALL key) signal can be To retain the same name, depress DIR key basinsteaded as the true quali lazigib à i sriz o sno sa sonuco

When a system speed dist number needs to be the number, depress the TRF toy (each depression success e. Depress DIR key. A dustond of qualities w Builer, soler a trunk to pause is required anywhere in the disting of and then eater a system distinuise number (26 - 99)

s tol beteine ed na chigib d'i la munizan A. A. pauses and telephone number. This includes . #, pauses and

3. A maximum of 7 characters can be entered per

f. Depress HOLD key to erase present trunk access code and telephone number.

To retain the same number, skip steps e. and f.

SEPTEMBER, 1988 ND-20292 CHAPTER 4 SAMPLE LCD INDICATIONS DOUGPATTY Y PAULMARY MARY FRAN PAU DOU S P D P A T PA SPD CHARLES JOAN PROGRAM PROGRAM S C H A R L E S J O A N G E O R G E R O C K Y GEORGE ROCKY PETER

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CHATLANK ! MD-50303 PERMINENTAL 1988

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SAMPLE LED INDICATIONS

NOTE: When originating calls in sequence, the step which seizes's a idle line.

g. Depress CNF key, caried batth when 220 sall to noissands after depression of the DSS

The Multiline Terminal goes back to the end of step b. Repeat step c. through g. to clear another station speed dial.

on a different page, go back to on-line mode by If it is necessary to clear another station speed dial depressing CNF key again, and repeat step a. through step g. h. Depress CNF key again to go back to on-line mode.

CNF LED goes off.

ain's quite retenence not netherly, skip this Miles neibod ni bedinseb se sang losied

The application of the second

Josephand Mil

Depress on Idle extension or COPEN line Xey.

450.5 Originating Calls

green LED inghis

COSPBX

CHAPTER 4 ND-20292 SEPTEMBER, 1988 SAMPLE LCD INDICATIONS 6 6 KI FRAN PAU SPD MAR DOU PROGRAM S CHARLE JOAN GEORGE

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SYMSTE FOU INDICATIONS

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400-172

SEPTEMBER, 1988

### 450.5 Originating Calls

- Depress an idle extension or CO/PBX line key.
- Lift handset.

(If page selection is not necessary, skip this Select page as described in Section 450.2.

operation.)

## SAMPLE LED INDICATIONS

green LED lights. CO/PBX

#### SAMPLE LCD INDICATIONS VE T Z 8 S T E V J I M N SA 00 ALICE NANCY PAGE 4 5 MELIS 1 N E

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NOTE: When originating calls in sequence, the page selection step can be interchanged with the step which seizes an idle line.