



MERLIN MAGIX[®] Integrated System

System Planning Forms
Release 2.2 and Earlier

555-722-113
Issue 1
June 2002

Notice

Every effort has been made to ensure that the information in this guide is complete and accurate at the time of printing. Information, however, is subject to change. See Appendix A, "Customer Support Information," in *Feature Reference* for important information.

Avaya Web Page

The world wide web home page for Avaya is <http://www.avaya.com>.

Preventing Toll Fraud

Toll Fraud is the unauthorized use of your telecommunications system by an unauthorized party (for example, a person who is not a corporate employee, agent, subcontractor, or working on your company's behalf). Be aware that there is a risk of toll fraud associated with your system and that, if toll fraud occurs, it can result in substantial additional charges for your telecommunications services.

Avaya Fraud Intervention

If you suspect that you are being victimized by toll fraud and you need technical assistance or support, call Technical Service Center's Toll Fraud Intervention Hotline at 800 643-2353.

Providing Telecommunications Security

Telecommunications security of voice, data, and/or video communications is the prevention of any type of intrusion to, that is, either unauthorized or malicious access to or use of, your company's telecommunications equipment by some party.

Your company's "telecommunications equipment" includes both this Avaya product and any other voice/data/video equipment that could be accessed via this Avaya product (that is, "networked equipment").

An "outside party" is anyone who is not a corporate employee, agent, subcontractor, or working on your company's behalf. Whereas, a "malicious party" is anyone, including someone who may be otherwise authorized, who accesses your telecommunications equipment with either malicious or mischievous intent.

Such intrusions may be either to/through synchronous (time multiplexed and/or circuit-based) or asynchronous (character-, message-, or packet-based) equipment or interfaces for reasons of:

- Utilization (of capabilities special to the accessed equipment)
- Theft (such as, of intellectual property, financial assets, or toll-facility access)
- Eavesdropping (privacy invasions to humans)
- Mischief (troubling, but apparently innocuous, tampering)
- Harm (such as harmful tampering, data loss or alteration, regardless of motive or intent)

Be aware that there may be a risk of unauthorized or malicious intrusions associated with your system and/or its networked equipment. Also realize that, if such an intrusion should occur, it could result in a variety of losses to your company, including, but not limited to, human/data privacy, intellectual property, material assets, financial resources, labor costs, and/or legal costs.

Your Responsibility for Your Company's Telecommunications Security

The final responsibility for securing both this system and its networked equipment rests with you - an Avaya customer's system administrator, your telecommunications peers, and your managers. Base the fulfillment of your responsibility on acquired knowledge and resources from a variety of sources, including, but not limited to:

- Installation documents
- System administration documents
- Security documents
- Hardware-/software-based security tools
- Shared information between you and your peers
- Telecommunications security experts

To prevent intrusions to your telecommunications equipment, you and your peers should carefully program and configure your:

- Avaya provided telecommunications system and their interfaces
- Avaya provided software applications, as well as their underlying hardware/software platforms and interfaces
- Any other equipment networked to your Avaya products

Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense. For further FCC information, see Appendix A, "Customer Support Information," in Feature Reference.

Part 68: Network Registration Number. This equipment is registered with the FCC in accordance with Part 68 of the FCC Rules. See Appendix A, "Customer Support Information," "FCC Notification and Repair" section for registration numbers and more information regarding Part 68.

Part 68: Answer-Supervision Signaling. Allowing this equipment to be operated in a manner that does not provide proper answer-supervision signaling is in violation of Part 68 Rules. This equipment returns answer-supervision signals to the public switched network when:

- Answered by the called station
- Answered by the attendant
- Routed to a recorded announcement that can be administered by the CPE user

This equipment returns answer-supervision signals on all DID calls forwarded back to the public switched telephone network. Permissible exceptions are:

- A call is unanswered
- A busy tone is received
- A reorder tone is received

Industry Canada (IC) Interference Information

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Le Présent Appareil Numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le reglement sur le brouillage radioélectrique édicté par le Industrie Canada.

Trademarks

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Call: Avaya Publications Center
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Fax 1 800 457-1764 International Fax 410 891-0207

Write: GlobalWare Solutions
200 Ward Hill Avenue
Haverhill, MA 01835 USA
Attention: Avaya Account
Management

Email: totalware@gwsmail.com

Order: Document No. 555-722-113
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For more information about Avaya documents, refer to the section entitled "Related Documents" in "About This Guide" in *Feature Reference*.

Support Telephone Number

In the continental U.S., Avaya provides a toll free customer helpline 24 hours a day. Call the Avaya Customer Care Center at **1 800 628-2888** or your Avaya authorized dealer if you need assistance when installing, programming, or using your system. Outside the continental U.S., contact your local Avaya authorized representative.

Warranty

Avaya provides a limited warranty on this product. Refer to "Limited Warranty and Limitation of Liability" in "Customer Support Information" in *Feature Reference*.

Obtaining Products

To learn more about Avaya products and to order products, contact Avaya Direct, the direct-market organization of Avaya Business Communications Systems. Access their web site at avaya.com/direct or call 800 426-2455.

System Forms

Overview

This package contains one copy of each system planning form. The forms are in numerical order and organized according to planning purpose, as shown in Table 1. You should make copies of these forms and use the copies, keeping the originals for future use. Planning forms for data communications are contained in Appendix C of *System Planning*. The T1/PRI Planner is contained in Appendix D of *System Planning*. The NI-1 BRI Planner is contained in Appendix G of *System Planning*. Information for obtaining the Network Engineering forms is contained in Appendix I of *System Planning*.

Table 1. System Forms

Used for Planning...	Form No.	Form Title
Features and Calling Privileges	N/A	Employee Communication Survey
Control Unit Assembly and Operating Conditions	1	System Planning
System Component Numbering	2a	System Numbering: Extension Jacks
	2b	System Numbering: Digital Adjuncts
	2c	System Numbering: Line/Trunk Jacks
	2d	System Numbering: Special Renumbers

Table 1. System Forms—Continued

Used for Planning...	Form No.	Form Title
Incoming Line/Trunk Connections	3a	Incoming Trunks: Remote Access
	3b	Incoming Trunks: DS1 Connectivity (100D, 100R INA, or 100 DCD Module)
	3c	Incoming Trunks: Tie
	3d	Incoming Trunks: DID
	3e	Automatic Route Selection Worksheet
	3f	Automatic Route Selection Tables
	3g	Automatic Route Selection Default and Special Numbers Tables
	3h	LS-ID Delay
	3i	Incoming Trunks: BRI Options
	3j	Enhanced 911 Service
	4c	Extension Copy: MLX Telephone Template
	4d	MLX Telephone
	4e	MFM Adjunct: MLX Telephone
	4f	Tip/Ring Equipment
	4g	Extension Copy: ETR Telephone Template
	4h	ETR Telephone
	4i	Extension Copy: MLS Telephone Template
	4j	MLS Telephone
	4k	4400/4400D Telephone
	4l	Extension Copy: Multiline 4400-Series Telephone Template
	4m	Multiline 4400-Series Telephone
	4n	Extension Copy: Wireless Telephone
	4o	Wireless Telephone
	5b	Direct-Line Console (DLC)
	5c	MFM Adjunct: DLC
	5d	Queued Call Console (QCC)

Table 1. System Forms—Continued

Used for Planning...	Form No.	Form Title
Features for Operators	6a	Optional Operator Features
Features for User	6b	Optional Extension Features
Groups	6c	Principal User of Personal Line
Features for Systemwide Use	6d	Message-Waiting Receivers
	6e	Allowed Lists
	6f	Disallowed Lists
	6g	Call Restriction Assignments and Lists
	6h	Authorization Codes
	6i	Pool Dial-Out Code Restrictions
	7a	Call Pickup Groups
	7b	Group Paging
	7c	Group Coverage
	7d	Group Calling
	8a	System Features
	9a	Night Service: Group Assignment
	9b	Night Service: Outward Restriction
	9c	Night Service: Time Set
	10a	Label Form: Posted Message
10b	System Speed Dial	
11	Service Observing: Group Assignment	

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Employee Communication Survey

Name _____ Room _____ Extension _____

Name of work group (Sales, Customer Service, etc.) _____

Please answer each question below.

1. Do you regularly use any of the following outside lines? (Check any that apply)

- WATS
- FX (foreign exchange)
- Tie
- None of the above or don't know

2. Are your phone calls covered when you're away from your desk?

- No
- Yes By whom? _____

3. Do you want your phone number to appear on another person's phone for screening, or covering calls, or for any other reasons?

- No
- Yes Please list these people:

4. Do you cover phone calls for co-workers when they are away from their desks?

- No
- Yes For whom? _____

Which of those people should have a button on your phone used exclusively for his or her calls?

When you are unable to cover calls, it is done by _____

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Employee Communication Survey

5. Is there a group of people with whom you share responsibilities such that it would be convenient if you could answer each other's calls?

No

Yes With whom? _____

6. Would you say your phone use is

Heavy

Average

Light

Do you need to handle more than two calls at time?

If yes, how many? _____

7. Do you have a data terminal or personal computer at your workstation?

No Do you expect to get one within the next year?

No

Yes

8. Do you use account codes for charge-back of calls?

No

Yes Please list all the codes you use (attach another sheet if necessary):

9. Are there numbers that you and other people in your organization dial over and over every day?

No

Yes Please list these numbers:

10. Do you want to be able to pick up other people's calls when you hear their phones ring?

No

Yes Please list these people:

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Employee Communication Survey

11. Do you need to view incoming caller information?

No

Yes For what purpose? _____

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Employee Communication Survey

System Planning

Line/Trunk Capacity*

Module Type	Number of Modules	Trunks Supported by Module	Total Trunks by Module Type
408 GS/LS-ID-MLX	x	4	
412 LS-ID-TDL	x	4	
400EM	x	4	
800 DID†	x	8	
100D‡	x	24	
100R INA‡	x	24	
100 DCD‡, §	x	24	
800 GS/LS-ID	x	8	
800 NI-BRI**	x	16	
System Totals			

Extension Capacity*

Module Type	Number of Modules	Physical Jacks per Module	Physical Jacks by Module Type	Extensions Assigned	Total Extensions Assigned	
008 MLX	x	8	x	2		
408 GS/LS-ID-MLX	x	8	x	2		
412 LS-ID-TDL	x	12	x	2		
016 (T/R)	x	16	x	1		
016 MLX	x	16	x	1		
016 ETR	x	16	x	1		
024 TDL	x	24	x	2		
008 OPT	x	8	+	(___x4)††		
MERLIN Messaging	N / A	x	7	N / A	x	12††
System Totals						

* System capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.

† Hybrid/PBX mode only.

‡ The 100D, 100R INA, and 100 DCD modules have one physical jack that supports 24 trunks.

§ Release 1.5 or later systems.

** The 800 NI-BRI module has 8 physical jacks that support 16 trunks. Up to five 800 NI-BRI modules (or any combination of LINE/TRUNK modules up to the system maximum of 80 trunks) may be placed in the system. However, the number of 800 NI-BRI modules plus 100D, 100R INA, and 100 DCD modules cannot exceed 3 per carrier.

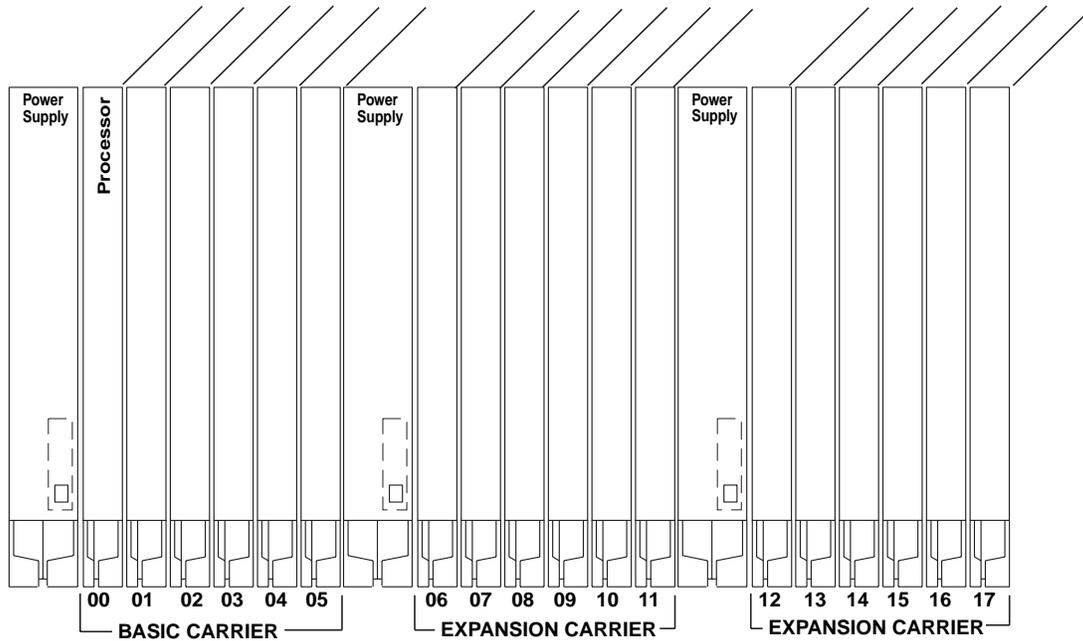
†† The 008 OPT module is assigned 12 extension numbers although there are only 8 physical extension jacks.

‡‡ The MERLIN Messaging module has 7 dedicated internal ports, but assigns 12 total extensions.

System Planning

Control Unit Diagram

UnitLoadTotal _____	UnitLoadTotal _____	UnitLoadTotal _____
Auxiliary Power Required	Auxiliary Power Required	Auxiliary Power Required
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No



System Operating Conditions

Programming Equipment

- System Programming Console
Logical ID _____ Ext. No. _____
- PC with WinSPM software
- PCMCIA Memory Card

System Mode

- Key ♦
- Hybrid/PBX*
- Behind Switch
Host Dial Codes:
 - Transfer _____
 - Conference _____
 - Drop _____
- Permanent Key

Language Selection

- System:
 English ♦ French Spanish
- SMDR:
 English ♦ French Spanish
- Printer:
 English ♦ French Spanish

Automatic Maintenance Busy

- Enable
- Disable ♦

Set System Date

- Yes

Backup

- Automatic
Weekly at _____
Daily at _____
- Manual

System Consoles

- QCC (s)

- DLC (s)

- _____
- _____

Second Dial Tone Timer

_____ (0♦ – 5000 ms)

♦ Factory Setting for system software

* Factory Setting for hardware

Applications*

- Automated Document Delivery System (ADDS)

Notes: _____

- Call Accounting System (CAS) for Plus V3†

Notes: _____

- Call Accounting System for Windows

Notes: _____

- Call Accounting Terminal (CAT)

- Business
 Hospitality

Notes: _____

- Centrex

Notes: _____

- CONVERSANT®

Notes: _____

- MERLIN Messaging™ Voice Messaging System

Notes: _____

- MERLIN MAGIX Reporter

Notes: _____

- Group IV Fax

- Primary Rate Interface (PRI) Basic Rate Interface (BRI)

Notes: _____

- Windows™ System Programming and Maintenance (WinSPM)

Notes: _____

- Video Conferencing

Notes: _____

* *CAUTION: General information about these applications is in the Feature Reference. But to ensure proper operation, you must review the documentation provided with the applications.*

† *Orderable only as an upgrade to existing CAS installations.*

Form 1 (Continued)

- IS III*
 - IVP/Auto Attendant AUDIX Voice Power CAS
 - FAX Attendant System™ Integrated Administration

Notes: _____

- PassageWay Direct Connect Solution

Notes: _____

- Computer Telephony Integration
 - NetWare Windows NT

Telephony Application:

Notes: _____

- Octel 100 (also known as Messaging 2000)

Notes:

- Enhanced Customer Care Solution

Notes: _____

- Other _____

- _____
- _____
- _____
- _____

Notes: _____

* Not Orderable

System Numbering: Extension Jacks

Renumber System* 2-Digit ♦ Selected Extension Numbers 3-Digit Set Up Space Set Up Space Networked Switch No Yes Centralized Voice Messaging No Yes

Mod. Type	Log. ID	Jack Type			Equipment	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq. ‡	Appl#	Rot. Dial	CTI Link**
		D†	T	E													
	1					10	100	7100									N/A
	2					11	101	7101									
	3					12	102	7102									
	4					13	103	7103									
	5					14	104	7104									N/A
	6					15	105	7105									
	7					16	106	7106									
	8					17	107	7107									
	9					18	108	7108									N/A
	10					19	109	7109									
	11					20	110	7110									
	12					21	111	7111									
	13					22	112	7112									N/A
	14					23	113	7113									
	15					24	114	7114									
	16					25	115	7115									
	17					26	116	7116									N/A
	18					27	117	7117									
	19					28	118	7118									
	20					29	119	7119									
	21					30	120	7120									N/A
	22					31	121	7121									
	23					32	122	7122									
	24					33	123	7123									

Shaded lines indicate possible operator positions.
 ♦ Factory Setting
 * The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.
 † Use Form 2b for adjuncts connected via MFM.
 ‡ Ringing Frequency is programmable on the 016 T/R module only.
 # The maximum number of VMI ports is 24.
 ** The maximum number of CTI links is 1.

System Numbering: Extension Jacks

Mod. Type	Log. ID	Jack Type		Equipment	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq. ‡	Appl#	Rot. Dial	CTI Link**
		D †	T E													
	25				34	124	7124									N/A
	26				35	125	7125									
	27				36	126	7126									
	28				37	127	7127									
	29				38	128	7128									N/A
	30				39	129	7129									
	31				40	130	7130									
	32				41	131	7131									
	33				42	132	7132									N/A
	34				43	133	7133									
	35				44	134	7134									
	36				45	135	7135									
	37				46	136	7136									N/A
	38				47	137	7137									
	39				48	138	7138									
	40				49	139	7139									
	41				50	140	7140									N/A
	42				51	141	7141									
	43				52	142	7142									
	44				53	143	7143									
	45				54	144	7144									N/A
	46				55	145	7145									
	47				56	146	7146									
	48				57	147	7147									

Shaded lines indicate possible operator positions.

♦ Factory Setting

* The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.

† Use Form 2b for adjuncts connected via MFM.

‡ Ringing Frequency is programmable on the 016 T/R module only.

The maximum number of VMI ports is 24.

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System Numbering: Extension Jacks

Mod. Type	Log. ID	Jack Type			Equipment	2-Dig. Ext. No.♦	3-Dig. Ext. No.	Set Up Space	Renumbr to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq.‡	Appl#	Rot. Dial	CTI Link**
		D†	T	E													
	49					58	148	7148									N/A
	50					59	149	7149									
	51					60	150	7150									
	52					61	151	7151									
	53					62	152	7152									N/A
	54					63	153	7153									
	55					64	154	7154									
	56					65	155	7155									
	57					66	156	7156									N/A
	58					6700	157	7157									
	59					6701	158	7158									
	60					6702	159	7159									
	61					6703	160	7160									N/A
	62					6704	161	7161									
	63					6705	162	7162									
	64					6706	163	7163									
	65					6707	164	7164									N/A
	66					6708	165	7165									
	67					6709	166	7166									
	68					6710	167	7167									
	69					6711	168	7168									N/A
	70					6712	169	7169									
	71					6713	170	7170									
	72					6714	171	7171									

Shaded lines indicate possible operator positions.
 ♦ Factory Setting
 * The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.
 † Use Form 2b for adjuncts connected via MFM.
 ‡ Ringing Frequency is programmable on the 016 T/R module only.
 # The maximum number of VMI ports is 24.
 ** The maximum number of CTI links is 1.

System Numbering: Extension Jacks

Mod. Type	Log ID	Jack Type		Equipment	2-Dig. Ext. No.♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq.‡	Appl#	Rot. Dial	CTI Link**
		D†	T E													
	73				6715	172	7172									N/A
	74				6716	173	7173									
	75				6717	174	7174									
	76				6718	175	7175									
	77				6719	176	7176									N/A
	78				6720	177	7177									
	79				6721	178	7178									
	80				6722	179	7179									
	81				6723	180	7180									N/A
	82				6724	181	7181									
	83				6725	182	7182									
	84				6726	183	7183									
	85				6727	184	7184									N/A
	86				6728	185	7185									
	87				6729	186	7186									
	88				6730	187	7187									
	89				6731	188	7188									N/A
	90				6732	189	7189									
	91				6733	190	7190									
	92				6734	191	7191									
	93				6735	192	7192									N/A
	94				6736	193	7193									
	95				6737	194	7194									
	96				6738	195	7195									

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		D	T	E														
	97					6739	196	7196									N/A	
	98					6740	197	7197										
	99					6741	198	7198										
	100					6742	199	7199										
	101					6743	200	7200										N/A
	102					6744	201	7201										
	103					6745	202	7202										
	104					6746	203	7203										
	105					6747	204	7204										N/A
	106					6748	205	7205										
	107					6749	206	7206										
	108					6750	207	7207										
	109					6751	208	7208										N/A
	110					6752	209	7209										
	111					6753	210	7210										
	112					6754	211	7211										
	113					6755	212	7212										N/A
	114					6756	213	7213										
	115					6757	214	7214										
	116					6758	215	7215										
	117					6759	216	7216										N/A
	118					6760	217	7217										
	119					6761	218	7218										
	120					6762	219	7219										

Shaded lines indicate possible operator positions.
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		D †	T E													
	121				6763	220	7220									N/A
	122				6764	221	7221									
	123				6765	222	7222									
	124				6766	223	7223									
	125				6767	224	7224									N/A
	126				6768	225	7225									
	127				6769	226	7226									
	128				6770	227	7227									
	129				6771	228	7228									N/A
	130				6772	229	7229									
	131				6773	230	7230									
	132				6774	231	7231									
	133				6775	232	7232									N/A
	134				6776	233	7233									
	135				6777	234	7234									
	136				6778	235	7235									
	137				6779	236	7236									N/A
	138				6780	237	7237									
	139				6781	238	7238									
	140				6782	239	7239									
	141				6783	240	7240									N/A
	142				6784	241	7241									
	143				6785	242	7242									
	144				6786	243	7243									

Shaded lines indicate possible operator positions.

- ♦ Factory Setting
- * The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.
- † Use Form 2b for adjuncts connected via MFM.
- ‡ Ringing Frequency is programmable on the 016 T/R module only.
- # The maximum number of VMI ports is 24.
- ** The maximum number of CTI links is 1.

System Numbering: Extension Jacks

Mod. Type	Log. ID	Jack Type		Equipment	2-Dig. Ext. No.♦	3-Dig. Ext. No.	Set Up Space	Renumbr to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq.‡	Appl#	Rot. Dial	CTI Link**	
		D†	T E														
	145				6787	244	7244									N/A	
	146				6788	245	7245										
	147				6789	246	7246										
	148				6790	247	7247										
	149				6791	248	7248									N/A	
	150				6792	249	7249										
	151				6793	250	7250										
	152				6794	251	7251										
	153				6795	252	7252									N/A	
	154				6796	253	7253										
	155				6797	254	7254										
	156				6798	255	7255										
	157				6799	256	7256									N/A	
	158				6800	257	7257										
	159				6801	258	7258										
	160				6802	259	7259										
	161				6803	260	7260									N/A	
	162				6804	261	7261										
	163				6805	262	7262										
	164				6806	263	7263										
	165				6807	264	7264									N/A	
	166				6808	265	7265										
	167				6809	266	7266										
	168				6810	267	7267										

Shaded lines indicate possible operator positions.
 ♦ Factory Setting
 * The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.
 † Use Form 2b for adjuncts connected via MFM.
 ‡ Ringing Frequency is programmable on the 016 T/R module only.
 # The maximum number of VMI ports is 24.
 ** The maximum number of CTI links is 1.

System Numbering: Extension Jacks

Mod. Type	Log. ID	Jack Type			Equipment	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumbr to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq. ‡	Appl#	Rot. Dial	CTI Link**	
		D	T	E														
	169					6811	268	7268									N/A	
	170					6812	269	7269										
	171					6813	270	7270										
	172					6814	271	7271										
	173					6815	272	7272										N/A
	174					6816	273	7273										
	175					6817	274	7274										
	176					6818	275	7275										
	177					6819	276	7276										N/A
	178					6820	277	7277										
	179					6821	278	7278										
	180					6822	279	7279										
	181					6823	280	7280										N/A
	182					6824	281	7281										
	183					6825	282	7282										
	184					6826	283	7283										
	185					6827	284	7284										N/A
	186					6828	285	7285										
	187					6829	286	7286										
	188					6830	287	7287										
	189					6831	288	7288										N/A
	190					6832	289	7289										
	191					6833	290	7290										
	192					6834	291	7291										

Shaded lines indicate possible operator positions.

♦ Factory Setting

* The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.

† Use Form 2b for adjuncts connected via MFM.

‡ Ringing Frequency is programmable on the 016 T/R module only.

The maximum number of VMI ports is 24.

** The maximum number of CTI links is 1.

System Numbering: Extension Jacks

Mod. Type	Log. ID	Jack Type			Equipment	2-Dig. Ext. No.♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	Ring Freq.‡	Appl#	Rot. Dial	CTI Link**	
		D†	T	E														
	193					6835	292	7292									N/A	
	194					6836	293	7293										
	195					6837	294	7294										
	196					6838	295	7295										
	197					6839	296	7296										N/A
	198					6840	297	7297										
	198					6841	298	7298										
	200					6842	299	7299										

Shaded lines indicate possible operator positions.

♦ Factory Setting

* The system capacity for Personal Directories is decreased by one whenever a 4424LD+ telephone is connected to a TDL port or an MLX-20L telephone is connected to an MLX port.

† Use Form 2b for adjuncts connected via MFM.

‡ Ringing Frequency is programmable on the 016 T/R module only.

The maximum number of VMI ports is 24.

** The maximum number of CTI links is 1.

System Numbering: Digital Adjuncts

(Make additional copies of this form as needed.)
 Maximum: 200 Adjuncts

Networked Switch

No Yes

Log. ID	Factory-Set			Renumber to	Adjuncts	2B	Pass. Bus	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
	2-digit	3-digit	Set Up Space						
1	710	300	7300						
2	711	301	7301						
3	712	302	7302						
4	713	303	7303						
5	714	304	7304						
6	715	305	7305						
7	716	306	7306						
8	717	307	7307						
9	718	308	7308						
10	719	309	7309						
11	720	310	7310						
12	721	311	7311						
13	722	312	7312						
14	723	313	7313						
15	724	314	7314						
16	725	315	7315						
17	726	316	7316						
18	727	317	7317						
19	728	318	7318						
20	729	319	7319						
21	730	320	7320						
22	731	321	7321						
23	732	322	7322						
24	733	323	7323						
25	734	324	7324						
26	735	325	7325						
27	736	326	7326						
28	737	327	7327						
29	738	328	7328						
30	739	329	7329						
31	740	330	7330						
32	741	331	7331						
33	742	332	7332						
34	743	333	7333						
35	744	334	7334						
36	745	335	7335						
37	746	336	7336						
38	747	337	7337						
39	748	338	7338						
40	749	339	7339						

System Numbering: Digital Adjuncts

(Make additional copies of this form as needed.)

Maximum: 200 Adjuncts

Log. ID	Factory-Set			Renumbr to	Adjuncts	2B	Pass. Bus	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
	2-digit	3-digit	Set Up Space						
41	750	340	7340						
42	751	341	7341						
43	752	342	7342						
44	753	343	7343						
45	754	344	7344						
46	755	345	7345						
47	756	346	7346						
48	757	347	7347						
49	758	348	7348						
50	759	349	7349						
51	760	350	7350						
52	761	351	7351						
53	762	352	7352						
54	763	353	7353						
55	764	354	7354						
56	765	355	7355						
57	766	356	7356						
58	6850	357	7357						
59	6851	358	7358						
60	6852	359	7359						
61	6853	360	7360						
62	6854	361	7361						
63	6855	362	7362						
64	6856	363	7363						
65	6857	364	7364						
66	6858	365	7365						
67	6859	366	7366						
68	6860	367	7367						
69	6861	368	7368						
70	6862	369	7369						
71	6863	370	7370						
72	6864	371	7371						
73	6865	372	7372						
74	6866	373	7373						
75	6867	374	7374						
76	6868	375	7375						
77	6869	376	7376						
78	6870	377	7377						
79	6871	378	7378						
80	6872	379	7379						

System Numbering: Digital Adjuncts

(Make additional copies of this form as needed.)

Maximum: 200 Adjuncts

Log. ID	Factory-Set			Renumber to	Adjuncts	2B	Pass. Bus	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
	2-digit	3-digit	Set Up Space						
81	6873	380	7380						
82	6874	381	7381						
83	6875	382	7382						
84	6876	383	7383						
85	6877	384	7384						
86	6878	385	7385						
87	6879	386	7386						
88	6880	387	7387						
89	6881	388	7388						
90	6882	389	7389						
91	6883	390	7390						
92	6884	391	7391						
93	6885	392	7392						
94	6886	393	7393						
95	6887	394	7394						
96	6888	395	7395						
97	6889	396	7396						
98	6890	397	7397						
99	6891	398	7398						
100	6892	399	7399						
101	6893	400	7400						
102	6894	401	7401						
103	6895	402	7402						
104	6896	403	7403						
105	6897	404	7404						
106	6898	405	7405						
107	6899	406	7406						
108	6900	407	7407						
109	6901	408	7408						
110	6902	409	7409						
111	6903	410	7410						
112	6904	411	7411						
113	6905	412	7412						
114	6906	413	7413						
115	6907	414	7414						
116	6908	415	7415						
117	6909	416	7416						
118	6910	417	7417						
119	6911	418	7418						
120	6912	419	7419						

System Numbering: Digital Adjuncts

(Make additional copies of this form as needed.)

Maximum: 200 Adjuncts

Log. ID	Factory-Set			Renumbr to	Adjuncts	2B	Pass. Bus	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
	2-digit	3-digit	Set Up Space						
121	6913	420	7420						
122	6914	421	7421						
123	6915	422	7422						
124	6916	423	7423						
125	6917	424	7424						
126	6918	425	7425						
127	6919	426	7426						
128	6920	427	7427						
129	6921	428	7428						
130	6922	429	7429						
131	6923	430	7430						
132	6924	431	7431						
133	6925	432	7432						
134	6926	433	7433						
135	6927	434	7434						
136	6928	435	7435						
137	6929	436	7436						
138	6930	437	7437						
139	6931	438	7438						
140	6932	439	7439						
141	6933	440	7440						
142	6934	441	7441						
143	6935	442	7442						
144	6936	443	7443						
145	6937	444	7444						
146	6938	445	7445						
147	6939	446	7446						
148	6940	447	7447						
149	6941	448	7448						
150	6942	449	7449						
151	6943	450	7450						
152	6944	451	7451						
153	6945	452	7452						
154	6946	453	7453						
155	6947	454	7454						
156	6948	455	7455						
156	6949	456	7456						
157	6950	457	7457						
158	6951	458	7458						
159	6952	459	7459						

System Numbering: Digital Adjuncts

(Make additional copies of this form as needed.)

Maximum: 200 Adjuncts

Log. ID	Factory-Set			Renumber to	Adjuncts	2B	Pass. Bus	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
	2-digit	3-digit	Set Up Space						
160	6953	460	7460						
161	6954	461	7461						
162	6955	462	7462						
163	6956	463	7463						
164	6957	464	7464						
165	6958	465	7465						
166	6959	466	7466						
167	6960	467	7467						
168	6961	468	7468						
169	6962	469	7469						
170	6963	470	7470						
171	6964	471	7471						
172	6965	472	7472						
173	6966	473	7473						
174	6967	474	7474						
175	6968	475	7475						
176	6969	476	7476						
177	6970	477	7477						
178	6971	478	7478						
179	6972	479	7479						
180	6973	480	7480						
181	6974	481	7481						
182	6975	482	7482						
183	6976	483	7483						
184	6977	484	7484						
185	6978	485	7485						
186	6979	486	7486						
187	6980	487	7487						
188	6981	488	7488						
189	6982	489	7489						
190	6983	490	7490						
191	6984	491	7491						
192	6985	492	7492						
193	6986	493	7493						
194	6987	494	7494						
195	6988	495	7495						
196	6989	496	7496						
197	6990	497	7497						
198	6991	498	7498						
199	6992	499	7499						
200	6993	500	7500						

System Numbering: Line/Trunk Jacks

Music On Hold, Line/Trunk No. _____ Source _____ Maintenance Alarm, Line/Trunk No. _____

Loudspeaker Page, Line/Trunk No(s). _____ Loop-Start Reliable Disconnect* No Yes

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Line/Trunk No.	Pool Dial-Out Code†	Re-number to	Incoming Line/Trunk Type (Main No., Personal Line, WATS, FX, NI-BRI, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Operator to Receive Calls† (No ♦)	QCC Queue Priority Level† (4 ♦)	Function
									TT♦	R	Yes♦	No	Short	Long ♦			
	1		801					.....								
	2		802					.....								
	3		803					.....								
	4		804					.....								
	5		805					.....								
	6		806					.....								
	7		807					.....								
	8		808					.....								
	9		809					.....								
	10		810					.....								
	11		811					.....								
	12		812					.....								
	13		813					.....								
	14		814					.....								
	15		815					.....								
	16		816					.....								
	17		817					.....								
	18		818					.....								
	19		819					.....								
	20		820					.....								

♦ Factory Setting
 * If the system has AUDIX Voice Power/FAX Attendant System™, Integrated Administration will automatically set Loop-Start Reliable Disconnect to Yes.
 † Hybrid/PBX mode only.
 ‡ Maximum: 11 pools with up to 80 trunks per pool.
 Factory settings: 70 (main), 891 (dial-in tie), 892 (automatic-in tie).

System Numbering: Line/Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Line/Trunk No.	Pool Dial-Out Code††	Re-number to	Incoming Line/Trunk Type (Main No., Personal Line, WATS, FX, NI-BRI, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Operator to Receive Calls† (No ♦)	QCC Queue Priority Level† (4 ♦)	Function
									TT♦	R	Yes♦	No	Short	Long ♦			
	21		821					|||||									
	22		822					|||||									
	23		823					|||||									
	24		824					|||||									
	25		825					|||||									
	26		826					|||||									
	27		827					|||||									
	28		828					|||||									
	29		829					|||||									
	30		830					|||||									
	31		831					|||||									
	32		832					|||||									
	33		833					|||||									
	34		834					|||||									
	35		835					|||||									
	36		836					|||||									
	37		837					|||||									
	38		838					|||||									
	39		839					|||||									
	40		840					|||||									

♦ Factory Setting
 † Hybrid/PBX mode only.
 ‡ Maximum: 11 pools with up to 80 trunks per pool.
 Factory settings: 70 (main), 891 (dial-in tie), 892 (automatic-in tie).

System Numbering: Line/Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Line/Trunk No.	Pool Dial-Out Code†	Re-number to	Incoming Line/Trunk Type (Main Line, WATS, FX, NI-BRI, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Operator to Receive Calls† (No ♦)	QCC Queue Priority Level† (4 ♦)	Function
									TT♦	R	Yes♦	No	Short	Long ♦			
	41		841					||||									
	42		842					||||									
	43		843					||||									
	44		844					||||									
	45		845					||||									
	46		846					||||									
	47		847					||||									
	48		848					||||									
	49		849					||||									
	50		850					||||									
	51		851					||||									
	52		852					||||									
	53		853					||||									
	54		854					||||									
	55		855					||||									
	56		856					||||									
	57		857					||||									
	58		858					||||									
	59		859					||||									
	60		860					||||									

♦ Factory Setting
 † Hybrid/PBX mode only.
 ‡ Maximum: 11 pools with up to 80 trunks per pool.
 Factory settings: 70 (main), 891 (dial-in tie), 892 (automatic-in tie).

System Numbering: Line/Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Line/Trunk No.	Pool Dial-Out Code††	Re-number to	Incoming Line/Trunk Type (Main No., Personal Line, WATS, FX, NI-BRI, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Operator to Receive Callst (No ♦)	QCC Queue Priority Level† (4 ♦)	Function
									TT♦	R	Yes♦	No	Short	Long ♦			
	61		861					|||||									
	62		862					|||||									
	63		863					|||||									
	64		864					|||||									
	65		865					|||||									
	66		866					|||||									
	67		867					|||||									
	68		868					|||||									
	69		869					|||||									
	70		870					|||||									
	71		871					|||||									
	72		872					|||||									
	73		873					|||||									
	74		874					|||||									
	75		875					|||||									
	76		876					|||||									
	77		877					|||||									
	78		878					|||||									
	79		879					|||||									
	80		880					|||||									

♦ Factory Setting
 † Hybrid/PBX mode only.
 ‡ Maximum: 11 pools with up to 80 trunks per pool.
 Factory settings: 70 (main), 891 (dial-in tie), 892 (automatic-in tie).

System Numbering: Special Renumbers

Pools* (Form 2c) Description	Factory-Set Number	Renumber to
	70	
	890	
	891	
	892	
	893	
	894	
	895	
	896	
	897	
	898	
	899	

Group Paging (Form 7b) Group ID	Factory-Set Number	Renumber to
	793	
	794	
	795	
	796	
	797	
	798	
	799	

Park Zone (Form 6a) Description	Factory-Set Number	Renumber to
	881	
	882	
	883	
	884	
	885	
	886	
	887	
	888	

DSS Page Buttons	
PAGE 1	Beginning extension for range _____
PAGE 2	Beginning extension for range _____
PAGE 3	Beginning extension for range _____

ARS Dial-Out Code†	Default	Renumber to
XXXX	9	

Group Calling (Form 7d) Group ID Label	Factory-Set Number	Renumber to
	770	
	771	
	772	
	773	
	774	
	775	
	776	
	777	
	778	
	779	
	780	
	781	
	782	
	783	
	784	
	785	
	786	
	787	
	788	
	789	
	790	
	791	
	7920	
	7921	
	7922	
	7923	
	7924‡	
	7925‡	
	7926‡	
	7927‡	
	7928‡	
	7929‡	

Listed Directory Number* (QCC Queue)	Factory-Set Number	Renumber to
XXXX	800	

Remote Access Code (Form 3a)	Factory-Set Number	Renumber to
XXXX	889	

* Hybrid/PBX mode only.
 † ARS Dial-Out Code is Idle Line Preference Code in Key mode.
 ‡ Reserved for AUDIX Voice Power/FAX Attendant System.

Class of Restriction without Barrier Codes

DID* and Tie Trunks

Network Calls

- None
- Tandem
- ARS

Restriction

- Unrestricted
- Outward Restrict ♦
- Toll Restrict

ARS Restriction Level*

- 0 4
- 1 5
- 2 6
- 3 ♦

Disallowed List Access

- List Numbers (0-7)

Non-Tie Trunks

Network Calls

- None
- Tandem
- ARS

Restriction

- Unrestricted
- Outward Restrict ♦
- Toll Restrict

ARS Restriction Level*

- 0 4
- 1 5
- 2 6
- 3 ♦

Disallowed List Access

- List Numbers (0-7)

♦ Factory Setting

* Hybrid/PBX mode only

Class of Restriction with Barrier Codes

Maximum: 16 barrier codes. (Make copies if more than 4 are assigned.)

<p>Barrier Code Number _____ Digits _____ (0-9, plus *)</p> <p>Restriction <input type="checkbox"/> Unrestricted <input type="checkbox"/> Outward Restrict ♦ <input type="checkbox"/> Toll Restrict</p> <p>ARS Restriction Level* <input type="checkbox"/> 0 <input type="checkbox"/> 4 <input type="checkbox"/> 1 <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 6 <input type="checkbox"/> 3 ♦</p> <p>Disallowed List Access <input type="checkbox"/> List Numbers (0-7) _____ _____</p>

<p>Barrier Code Number _____ Digits _____ (0-9, plus *)</p> <p>Restriction <input type="checkbox"/> Unrestricted <input type="checkbox"/> Outward Restrict ♦ <input type="checkbox"/> Toll Restrict</p> <p>ARS Restriction Level* <input type="checkbox"/> 0 <input type="checkbox"/> 4 <input type="checkbox"/> 1 <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 6 <input type="checkbox"/> 3 ♦</p> <p>Disallowed List Access <input type="checkbox"/> List Numbers (0-7) _____ _____</p>

<p>Barrier Code Number _____ Digits _____ (0-9, plus *)</p> <p>Restriction <input type="checkbox"/> Unrestricted <input type="checkbox"/> Outward Restrict ♦ <input type="checkbox"/> Toll Restrict</p> <p>ARS Restriction Level* <input type="checkbox"/> 0 <input type="checkbox"/> 4 <input type="checkbox"/> 1 <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 6 <input type="checkbox"/> 3 ♦</p> <p>Disallowed List Access <input type="checkbox"/> List Numbers (0-7) _____ _____</p>

<p>Barrier Code Number _____ Digits _____ (0-9, plus *)</p> <p>Restriction <input type="checkbox"/> Unrestricted <input type="checkbox"/> Outward Restrict ♦ <input type="checkbox"/> Toll Restrict</p> <p>ARS Restriction Level* <input type="checkbox"/> 0 <input type="checkbox"/> 4 <input type="checkbox"/> 1 <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 6 <input type="checkbox"/> 3 ♦</p> <p>Disallowed List Access <input type="checkbox"/> List Numbers (0-7) _____ _____</p>

♦ Factory Setting
* Hybrid/PBX mode only

Incoming Trunks: DS1 Connectivity (100D, 100R INA, or 100 DCD Module)

Module 1 Slot No. _____

<p>Type of Service</p> <input type="checkbox"/> T1 ♦* <input type="checkbox"/> PRI†† <p>T1 Trunks</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Trunk Type</th> <th rowspan="2">Channel Number(s)</th> <th colspan="3">For Tie/All Tie</th> </tr> <tr> <th>Tie-PBX</th> <th>Toll</th> <th>S56</th> </tr> </thead> <tbody> <tr><td>Ground-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>Loop-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>Tie</td><td></td><td></td><td></td><td></td></tr> <tr><td>Unequipped</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Ground-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Loop-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Tie</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Unequipped</td><td></td><td></td><td></td><td></td></tr> <tr><td>DID</td><td></td><td></td><td></td><td></td></tr> <tr><td>All DID</td><td></td><td></td><td></td><td></td></tr> <tr><td>S56 Data</td><td></td><td></td><td></td><td></td></tr> <tr><td>All S56 Data</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Trunk Type	Channel Number(s)	For Tie/All Tie			Tie-PBX	Toll	S56	Ground-Start					Loop-Start					Tie					Unequipped					All Ground-Start					All Loop-Start					All Tie					All Unequipped					DID					All DID					S56 Data					All S56 Data					<p>Switch Type (PRI Service Only)</p> <input type="checkbox"/> 4ESS♦*† <input type="checkbox"/> 5ESS† <input type="checkbox"/> DMS-100 <input type="checkbox"/> DMS-250 <input type="checkbox"/> DEX600E <input type="checkbox"/> Legend-PBX <input type="checkbox"/> Legend-NTWK	<p>Frame Format</p> <input type="checkbox"/> D4 Compatible ♦ <input type="checkbox"/> Extended Superframe (ESF) <p>Suppression (Line Code)</p> <input type="checkbox"/> AMI-ZCS ♦ <input type="checkbox"/> B8ZS <p>Signaling Mode (not for PRI)</p> <input type="checkbox"/> Robbed-Bit Signaling (RBS) ♦ <input type="checkbox"/> Common-Channel Signaling (CCS) <p>Line Compensation</p> <p style="text-align: center;">Cable Feet</p> <input type="checkbox"/> 1 (-.6 dB) ♦ <input type="checkbox"/> 2 (-1.2 dB) <input type="checkbox"/> 3 (-1.8 dB) <input type="checkbox"/> 4 (-2.4 dB) <input type="checkbox"/> 5 (-3.0 dB)	<p>Clock Synchronization</p> <p>Priority</p> <input type="checkbox"/> Primary ♦ <input type="checkbox"/> Secondary <input type="checkbox"/> Tertiary <input type="checkbox"/> None <p>Source</p> <input type="checkbox"/> Loop ♦ <input type="checkbox"/> Local <p>Activation</p> <input type="checkbox"/> Active ♦ <input type="checkbox"/> Not Active <p>Channel Service Unit</p> <p>Access</p> <input type="checkbox"/> Foreign Exchange ♦ <input type="checkbox"/> Special Access <p>Activation§</p> <input type="checkbox"/> Activated ♦ <input type="checkbox"/> Deactivated
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Module 2 Slot No. _____

<p>Type of Service</p> <input type="checkbox"/> T1 ♦* <input type="checkbox"/> PRI†† <p>T1 Trunks</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Trunk Type</th> <th rowspan="2">Channel Number(s)</th> <th colspan="3">For Tie/All Tie</th> </tr> <tr> <th>Tie-PBX</th> <th>Toll</th> <th>S56</th> </tr> </thead> <tbody> <tr><td>Ground-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>Loop-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>Tie</td><td></td><td></td><td></td><td></td></tr> <tr><td>Unequipped</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Ground-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Loop-Start</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Tie</td><td></td><td></td><td></td><td></td></tr> <tr><td>All Unequipped</td><td></td><td></td><td></td><td></td></tr> <tr><td>DID</td><td></td><td></td><td></td><td></td></tr> <tr><td>All DID</td><td></td><td></td><td></td><td></td></tr> <tr><td>S56 Data</td><td></td><td></td><td></td><td></td></tr> <tr><td>All S56 Data</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Trunk Type	Channel Number(s)	For Tie/All Tie			Tie-PBX	Toll	S56	Ground-Start					Loop-Start					Tie					Unequipped					All Ground-Start					All Loop-Start					All Tie					All Unequipped					DID					All DID					S56 Data					All S56 Data					<p>Switch Type (PRI Service Only)</p> <input type="checkbox"/> 4ESS♦*† <input type="checkbox"/> 5ESS† <input type="checkbox"/> DMS-100 <input type="checkbox"/> DMS-250 <input type="checkbox"/> DEX600E <input type="checkbox"/> Legend-PBX <input type="checkbox"/> Legend-NTWK	<p>Frame Format</p> <input type="checkbox"/> D4 Compatible ♦ <input type="checkbox"/> Extended Superframe (ESF) <p>Suppression (Line Code)</p> <input type="checkbox"/> AMI-ZCS ♦ <input type="checkbox"/> B8ZS <p>Signaling Mode (not for PRI)</p> <input type="checkbox"/> Robbed-Bit Signaling (RBS) ♦ <input type="checkbox"/> Common-Channel Signaling (CCS) <p>Line Compensation</p> <p style="text-align: center;">Cable Feet</p> <input type="checkbox"/> 1 (-.6 dB) ♦ <input type="checkbox"/> 2 (-1.2 dB) <input type="checkbox"/> 3 (-1.8 dB) <input type="checkbox"/> 4 (-2.4 dB) <input type="checkbox"/> 5 (-3.0 dB)	<p>Clock Synchronization</p> <p>Priority</p> <input type="checkbox"/> Primary ♦ <input type="checkbox"/> Secondary <input type="checkbox"/> Tertiary <input type="checkbox"/> None <p>Source</p> <input type="checkbox"/> Loop ♦ <input type="checkbox"/> Local <p>Activation</p> <input type="checkbox"/> Active ♦ <input type="checkbox"/> Not Active <p>Channel Service Unit</p> <p>Access</p> <input type="checkbox"/> Foreign Exchange ♦ <input type="checkbox"/> Special Access <p>Activation§</p> <input type="checkbox"/> Activated ♦ <input type="checkbox"/> Deactivated
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NOTE: Do not configure 100D, 100R INA, or 100 DCD modules to do trunk-to-trunk transfers between DS1 and LS lines/trunks.

♦ Factory Setting

* The factory setting of T1 is **not** automatically selected if you enter nothing; it must be entered.

† PRI must be selected as the Type of DS1 connectivity before PRI options are entered.

‡ AT&T Toll and 5ESS local PRI service requires service provider switching equipment to be either 4ESS Generic 13 through Generic 16, 5ESS Generic 6, or a 5ESS serving the FTS2000 network.

§ For 100R INA and 100 DCD modules only.

Module 3 Slot No. _____

Type of Service	Switch Type (PRI Service Only)	Frame Format	Clock Synchronization
<input type="checkbox"/> T1 ♦*	<input type="checkbox"/> 4ESS♦†	<input type="checkbox"/> D4 Compatible ♦	Priority
<input type="checkbox"/> PRI†‡	<input type="checkbox"/> DEX600E	<input type="checkbox"/> Extended Superframe (ESF)	<input type="checkbox"/> Primary ♦
	<input type="checkbox"/> 5ESS‡	<input type="checkbox"/> AMI-ZCS ♦	<input type="checkbox"/> Secondary
	<input type="checkbox"/> DMS-100	<input type="checkbox"/> B8ZS	<input type="checkbox"/> Tertiary
	<input type="checkbox"/> DMS-250	<input type="checkbox"/> Legend-PBX	<input type="checkbox"/> None
		<input type="checkbox"/> Legend-NTWK	Source
T1 Trunks		<input type="checkbox"/> Common-Channel Signaling (CCS)	<input type="checkbox"/> Loop ♦
		Line Compensation	<input type="checkbox"/> Local
		Cable Feet	Activation
		<input type="checkbox"/> 1 (-.6 dB) ♦	<input type="checkbox"/> Active ♦
		<input type="checkbox"/> 2 (-1.2 dB)	<input type="checkbox"/> Not Active
		<input type="checkbox"/> 3 (-1.8 dB)	Channel Service Unit
		<input type="checkbox"/> 4 (-2.4 dB)	Access
		<input type="checkbox"/> 5 (-3.0 dB)	<input type="checkbox"/> Foreign Exchange ♦
			<input type="checkbox"/> Special Access
			Activation§
			<input type="checkbox"/> Activated ♦
			<input type="checkbox"/> Deactivated

Trunk Type	Channel Number(s)	For Tie/All Tie		
		Tie-PBX	Toll	S56
Ground-Start		X	X	X
Loop-Start		X	X	X
Tie		X	X	X
Unequipped		X	X	X
All Ground-Start		X	X	X
All Loop-Start		X	X	X
All Tie		X	X	X
All Unequipped		X	X	X
DID		X	X	X
All DID		X	X	X
S56 Data		X	X	X
All S56 Data		X	X	X

NOTE: Do not configure 100D, 100R INA, or 100 DCD modules to do trunk-to-trunk transfers between DS1 and LS lines/trunks.

♦ Factory Setting

* The factory setting of T1 is **not** automatically selected if you enter nothing; it must be entered.

† PRI must be selected as the Type of DS1 connectivity before PRI options are entered.

‡ AT&T Toll and 5ESS local PRI service requires service provider switching equipment to be either 4ESS Generic 13 through Generic 16, 5ESS Generic 6, or a 5ESS serving the FTS2000 network.

§ For 100R INA or 100 DCD modules only.

MERLIN MAGIX® Integrated System Release 2.2
Form 3b (Continued)

PRI Services

Maximum: 3 Modules. (Make copies of this page for additional modules.)

Module Slot No. _____

B-Channel Group No.	Outgoing Services*	Incoming Services*	Incoming Routing	
			Dial Plan Routing†‡	Line Appearance§

* *Services:*
 AT&T Toll: Megacom WATS, Megacom 800, ACCUNET® SDS, Software Defined Network (SDN), MultiQuest, Long Distance.
 5ESS Local: OUTWATS, 56/64 Digital, Virtual Private Network, INWATS.
 MCI Toll: MCI PRISM, MCI Vnet, MCI 800, MCI 900
 DMS-100 Local: DMS Private, DMS INWATS, DMS OUTWATS, DMS Foreign Exchange (FX), DMS Tie Trunk.
 Other: Call-by-Call, Other.

† Hybrid/PBX mode only.

‡ If you select Dial Plan Routing, complete "Dial Plan Routing" information on Form 3b-6.

§ If you select Line Appearance, complete "Line Appearance Routing" information on Form 3b-5.

Dial Plan Routing (Incoming Services)*

Maximum: 16 entries

Entry No.	0	1	2	3	4	5	6	7
Service†								
Pattern to Match‡								
Total Digits in Dialed Number (0-14)								
Delete Digits (0-14)								
Add Digits (0-4)								

Entry No.	8	9	10	11	12	13	14	15
Service†								
Pattern to Match‡								
Total Digits in Dialed Number (0-14)								
Delete Digits (0-14)								
Add Digits (0-4)								

* Hybrid/PBX mode only.

† Services:

AT&T Toll: Megacom WATS, Megacom 800, ACCUNET® SDS, Software Defined Network (SDN), MultiQuest, Long Distance.

5ESS Local: OUTWATS, 56/64 Digital, Virtual Private Network, INWATS.

MCI Toll: MCI PRISM, MCI Vnet, MCI 800, MCI 900

DMS-100 Local: DMS Private, DMS INWATS, DMS OUTWATS, DMS Foreign Exchange (FX), DMS Tie Trunk.

Other: Call-by-Call, Other.

‡ Pattern of up to 8 digits.

Outgoing Tables (Outgoing Services)

Network Selection Table

Maximum: 4 entries

Entry No.	0♦	1♦	2	3
Dial Prefix*	101***	10***		

Special Services Table

Maximum: 8 entries

Entry No.	0	1	2	3	4	5	6	7
Pattern to Match†	011	010	01	00	0	1		
Operator‡	none	OP	OP	P	OP	none		
Type of No. (N=Nat'l; I=Int'l)	I	I	I	N	N	N		
Delete Digits (0-4)	3	3	2	2	1	1		

♦ Defaults.

* Dial Pattern can be up to 8 digits (* is a wildcard); must include at least one number; cannot begin with *.

† Pattern can be up to 4 digits; no asterisks(*).

‡ Operator: Local Operator (OP), Presubscribed Carrier (P), No operator (none).

Call-By-Call Service Table

Maximum: 10 entries

Entry No.	0	1	2	3	4
Pattern to Match (up to 10 entries)					
Call Type (Voice/Data/Both)					
Service*					
Delete Digits (0-8)					

Entry No.	5	6	7	8	9
Pattern to match (up to 10 entries)					
Call-Type (Voice/Data/Both)					
Service*					
Delete Digits (0-8)					

* Services:

AT&T Toll: Megacom WATS, Megacom 800, ACCUNET® SDS, Software Defined Network (SDN), MultiQuest, Long Distance.
 5ESS Local: OUTWATS, 56/64 Digital, Virtual Private Network, INWATS.
 MCI Toll: MCI PRISM, MCI Vnet, MCI 800, MCI 900
 DMS-100 Local: DMS Private, DMS INWATS, DMS OUTWATS, DMS Foreign Exchange (FX), DMS Tie Trunk.
 Other: Call-by-Call, Other.

Test Telephone Numbers

Module 1: _____ **Module 2:** _____ **Module 3:** _____

PRI Protocol

Timers and Counters

	Factory Setting	Change to
T200 Timer	1 second	(1000–3000 ms)
T203 Timer	30 seconds	(1–60 seconds)
N200 Counter	3 transmissions	(1–5 transmissions)
N201 Counter	260 octets	(16–260 octets)
K Counter	7 frames	(1–15 frames)
T303 Timer	4 seconds	(4–12 seconds)
T305 Timer	4 seconds	(4–30 seconds)
T308 Timer	4 seconds	(4–12 seconds)
T309 Timer	90 seconds	(30–120 seconds)
T310 Timer	60 seconds	(2–120 seconds)
T313 Timer	4 seconds	(4–60 seconds)
T316 Timer	120 seconds	(3–120 seconds)

Terminal Equipment Identifier (TEI)

- 0 ♦
- _____ (1–63)

♦ *Factory Setting*

T1 Switch 56 Options*

Maximum: 3 modules (Make additional copies of this page as needed.)

Module Slot No.: _____ **Channel No.:** _____

Type

- Incoming
- Outgoing
- Two Way ♦

Incoming Signaling Type

- Wink ♦
- Auto
- Delay

Outgoing Signaling Type

- Wink ♦
- Auto
- Delay

Incoming Signaling Mode

- Rotary
- Touch-tone ♦

Incoming Signaling Mode

- Rotary
- Touch-tone ♦

Dial Plan Routing Options

Expected Digits

- 1
- 2
- 3 ♦
- 4

Delete Digits

- 0 ♦
- 1
- 2
- 3
- 4

Add Digits

- 0 digits ♦
- Add these digits _____
(Any number from 1-9999)

♦ Factory Setting

* T1 must be selected as the Type of DS1 connectivity. The T1 Truck Type must be configured as S56 (not T1-tie).

Automatic Route Selection Tables*

Maximum: 24 Tables (16 in Release 1.0 systems). (Make a copy for each table.)

Table No. _____

Type of Table

- 6-Digit
- Area Code
- Exchange
- 1 + 7, dialing from
 - within area code
 - not within area code ◆

Area Code/Exchanges

001_____	021_____	041_____	061_____	081_____
002_____	022_____	042_____	062_____	082_____
003_____	023_____	043_____	063_____	083_____
004_____	024_____	044_____	064_____	084_____
005_____	025_____	045_____	065_____	085_____
006_____	026_____	046_____	066_____	086_____
007_____	027_____	047_____	067_____	087_____
008_____	028_____	048_____	068_____	088_____
009_____	029_____	049_____	069_____	089_____
010_____	030_____	050_____	070_____	090_____
011_____	031_____	051_____	071_____	091_____
012_____	032_____	052_____	072_____	092_____
013_____	033_____	053_____	073_____	093_____
014_____	034_____	054_____	074_____	094_____
015_____	035_____	055_____	075_____	095_____
016_____	036_____	056_____	076_____	096_____
017_____	037_____	057_____	077_____	097_____
018_____	038_____	058_____	078_____	098_____
019_____	039_____	059_____	079_____	099_____
020_____	040_____	060_____	080_____	100_____

Subpattern A Time of Day				
Pool	FRL (3 ◆)‡	Other Digits	Absorb	Call Type† (Both ◆)
1_____	_____	_____	1_____	_____
2_____	_____	_____	2_____	_____
3_____	_____	_____	3_____	_____
4_____	_____	_____	4_____	_____
5_____	_____	_____	5_____	_____
6_____	_____	_____	6_____	_____

Subpattern B Time of Day				
Pool	FRL (3 ◆)‡	Other Digits	Absorb	Call Type† (Both ◆)
1_____	_____	_____	1_____	_____
2_____	_____	_____	2_____	_____
3_____	_____	_____	3_____	_____
4_____	_____	_____	4_____	_____
5_____	_____	_____	5_____	_____
6_____	_____	_____	6_____	_____

◆ Factory Setting

* Hybrid/PBX mode only

† Select Voice only, Data only, or Both.

‡ Local tables default FRL is 2.

Table No. _____

Type of Table

- 6-Digit
- Area Code
- Exchange
- 1 + 7, dialing from
 - within area code
 - not within area code ♦

Area Code/Exchanges

001_____	021_____	041_____	061_____	081_____
002_____	022_____	042_____	062_____	082_____
003_____	023_____	043_____	063_____	083_____
004_____	024_____	044_____	064_____	084_____
005_____	025_____	045_____	065_____	085_____
006_____	026_____	046_____	066_____	086_____
007_____	027_____	047_____	067_____	087_____
008_____	028_____	048_____	068_____	088_____
009_____	029_____	049_____	069_____	089_____
010_____	030_____	050_____	070_____	090_____
011_____	031_____	051_____	071_____	091_____
012_____	032_____	052_____	072_____	092_____
013_____	033_____	053_____	073_____	093_____
014_____	034_____	054_____	074_____	094_____
015_____	035_____	055_____	075_____	095_____
016_____	036_____	056_____	076_____	096_____
017_____	037_____	057_____	077_____	097_____
018_____	038_____	058_____	078_____	098_____
019_____	039_____	059_____	079_____	099_____
020_____	040_____	060_____	080_____	100_____

Subpattern A Time of Day					Subpattern B Time of Day				
Pool	FRL (3 ♦) ‡	Other Digits	Absorb	Call Type† (Both ♦)	Pool	FRL (3 ♦) ‡	Other Digits	Absorb	Call Type† (Both ♦)
1_____	_____	_____	1_____	_____	1_____	_____	_____	1_____	_____
2_____	_____	_____	2_____	_____	2_____	_____	_____	2_____	_____
3_____	_____	_____	3_____	_____	3_____	_____	_____	3_____	_____
4_____	_____	_____	4_____	_____	4_____	_____	_____	4_____	_____
5_____	_____	_____	5_____	_____	5_____	_____	_____	5_____	_____
6_____	_____	_____	6_____	_____	6_____	_____	_____	6_____	_____

♦ Factory Setting
 * Select Voice only, Data only, or Both.
 ‡ Local tables default FRL is 2.

Automatic Route Selection Default and Special Numbers Tables*

Table 25 (17 in Release 1.0 systems): Default Toll Table

Subpattern A Time of Day					Subpattern B Time of Day				
Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type† (Both ♦)	Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type† (Both ♦)
1 _____	_____	_____	1 _____	_____	1 _____	_____	_____	1 _____	_____
2 _____	_____	_____	2 _____	_____	2 _____	_____	_____	2 _____	_____
3 _____	_____	_____	3 _____	_____	3 _____	_____	_____	3 _____	_____
4 _____	_____	_____	4 _____	_____	4 _____	_____	_____	4 _____	_____
5 _____	_____	_____	5 _____	_____	5 _____	_____	_____	5 _____	_____
6 _____	_____	_____	6 _____	_____	6 _____	_____	_____	6 _____	_____

Table 26 (18 in Release 1.0 systems): Default Local Table

Subpattern A Time of Day					Subpattern B Time of Day				
Pool	FRL (2 ♦)	Other Digits	Absorb	Call Type† (Both ♦)	Pool	FRL (2 ♦)	Other Digits	Absorb	Call Type† (Both ♦)
1 _____	_____	_____	1 _____	_____	1 _____	_____	_____	1 _____	_____
2 _____	_____	_____	2 _____	_____	2 _____	_____	_____	2 _____	_____
3 _____	_____	_____	3 _____	_____	3 _____	_____	_____	3 _____	_____
4 _____	_____	_____	4 _____	_____	4 _____	_____	_____	4 _____	_____
5 _____	_____	_____	5 _____	_____	5 _____	_____	_____	5 _____	_____
6 _____	_____	_____	6 _____	_____	6 _____	_____	_____	6 _____	_____

Table 27 (19 in Release 1.0 systems): Dial 0

Pool	FRL (3 ♦)	Other Digits
1 _____	_____	_____

Table 28 (20 in Release 1.0 systems): Special Number (411, 611, 811, 911‡)

Pool§	FRL (3 ♦)	Other Digits
1 70 _____	_____	_____

Table 29 (Not available in Release 1.0 systems): E911

Pool	FRL	Other Digits
1 _____	0	_____

♦ Factory Setting
 * Hybrid/PBX mode only
 † Select Voice only, Data only, or Both.
 ‡ Release 1.0 systems only.
 § Always set to the first pool in the system; cannot be changed.

Clock Synchronization—100D, 100R INA, 100 DCD, or BRI Modules*

Primary Clock Synchronization

Slot No. _____
DSL No. _____ (BRI only)

Source

- Loop
- Local (100D, 100R INA, or 100 DCD only)

Secondary Clock Synchronization

Slot No. _____
DSL No. _____ (BRI only)

Source

- Loop ♦
- Local (100D, 100R INA, or 100 DCD only)

Tertiary Clock Synchronization

Slot No. _____
DSL No. _____ (BRI only)

Source

- Loop ♦
- Local (100D, 100R INA, or 100 DCD only)

Timers

T200 Timer

- 1,000 ms. ♦
- _____ ms. (500 to 5,000 ms. in increments of 500 ms)

T203 Timer

- 33 seconds ♦
- _____ seconds (10 to 255 seconds in increments of 1 second)

T303 Timer

- 4 seconds ♦
- _____ seconds (2 to 10 seconds in increments of 1 second)

T305 Timer

- 30 seconds ♦
- _____ seconds (2 to 60 seconds in increments of 1 second)

T308 Timer

- 4 seconds ♦
- _____ seconds (2 to 10 seconds in increments of 1 second)

♦ Factory Setting

* If the system includes 800 NI-BRI modules, 100D modules, 100R INA modules, and 100 DCD modules, synchronization planning should be completed at the same time. Refer to Form 3b while completing this form.

Form 3j

Enhanced 911 Service*

Allow-11

- Enable
- Disable ♦

Type of E911 Service

- E911 Partition ♦
- E911 Adjunct

E911 Partition

Enter trunks (801-880).

Partition _____ (All extensions in Partition 1 ♦)

Partition Digits (up to 20): _____

Partition _____

Partition Digits (up to 20): _____

Copy Form As Needed

♦ Factory Setting

* Hybrid/PBX mode only; MERLIN MAGIX systems of Release 1.5 or later.

E911 Adjunct

Enter up to five trunks (801–880). Use loop-start or ground-start (preferred) trunks. Use ground-start trunks connected to 800 GS/LS-ID modules of vintage 1.4 or greater and to 408 GS/LS-ID-MLX modules of vintage 3.2 or greater.

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E911 Adjunct Alarm Extension _____ (The first operation position is the factory setting.)

Extension Copy: Analog Multiline Telephone Template
Discontinued

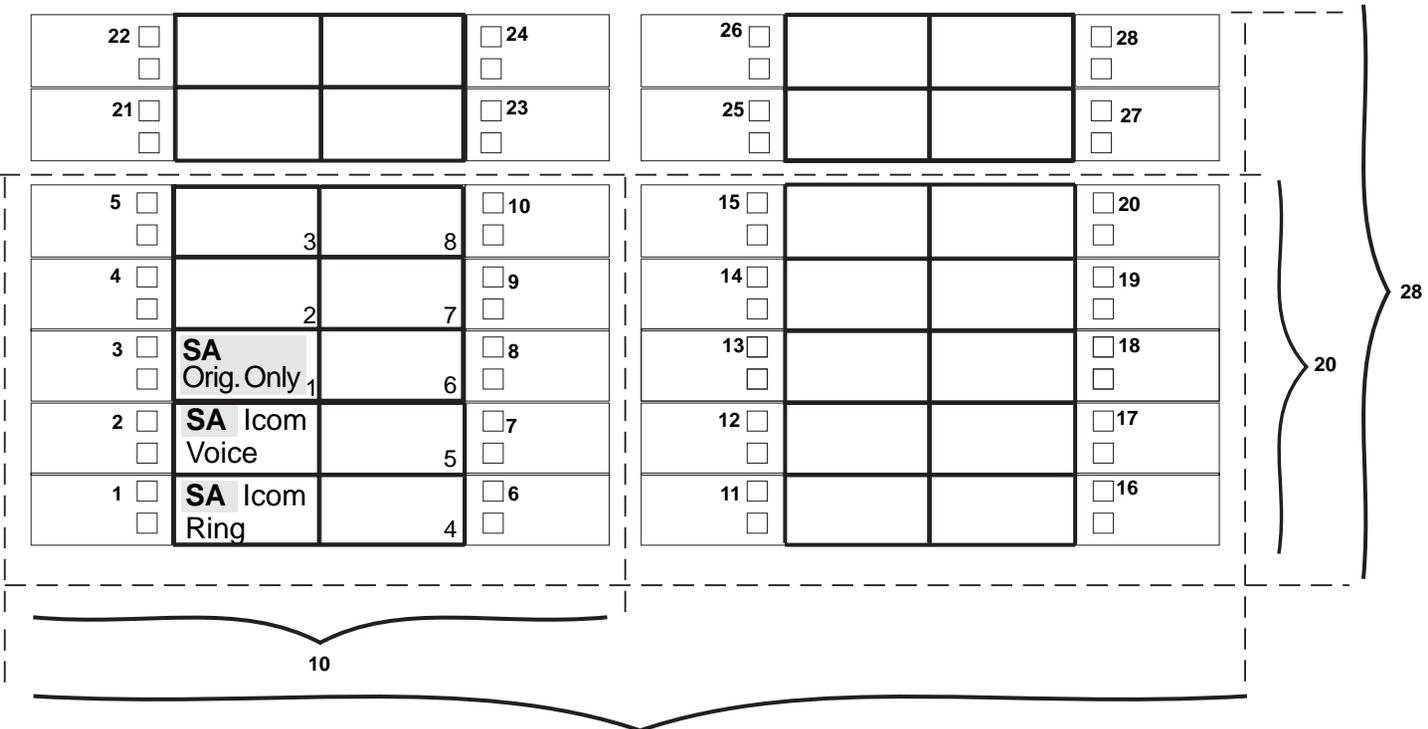
Discontinued

Analog Multiline Telephone

Discontinued

Discontinued

Button Diagram



Note: Lines 1 through 8 only default on a telephone when the system is in Key mode.

MLX Telephone

(Make a copy of this form for each telephone.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Wall Mount

Telephone Model

MLX-20L®*

MLX-28D®

MLX-16DP®

MLX-10D®

MLX-10DP®†

MLX-10®

MLX-5D®

MLX-5®

Adjuncts

Headset

Hearing-impaired handset

Noisy environment

Multi-Function Module (MFM) (Not supported on the MLX-5 and MLX-5D) Extension No. _____

FAX machine

Answering machine

Data terminal

Alert device, type _____

Other _____

Off Premises

Passageway

Personal Lines

Shared Extension No. _____

Ring

No Ring

Auto Line Selection

Centralized Programming Requirements**

Assign Service Observing Button

Optional Features

Abbreviated Ring

Off

On ♦

Auto Callback

Off ♦

On

Call Waiting

Off ♦

On

Voice-Announced Calls

On ♦

Off

On Idle Only

Coverage Inside

Off

On ♦

Cover Ring Delay

Primary Cover Ring Delay

2 Rings ♦

_____rings (1-6)

Secondary Cover Ring Delay

2 Rings ♦

_____rings (1-6)

Group Coverage Ring Delay

3 Rings ♦

_____rings (1-9)

Computer Telephony Integrated Client PC

Yes

No ♦

Call Screening

Off ♦

On

Password (Account Code) _____

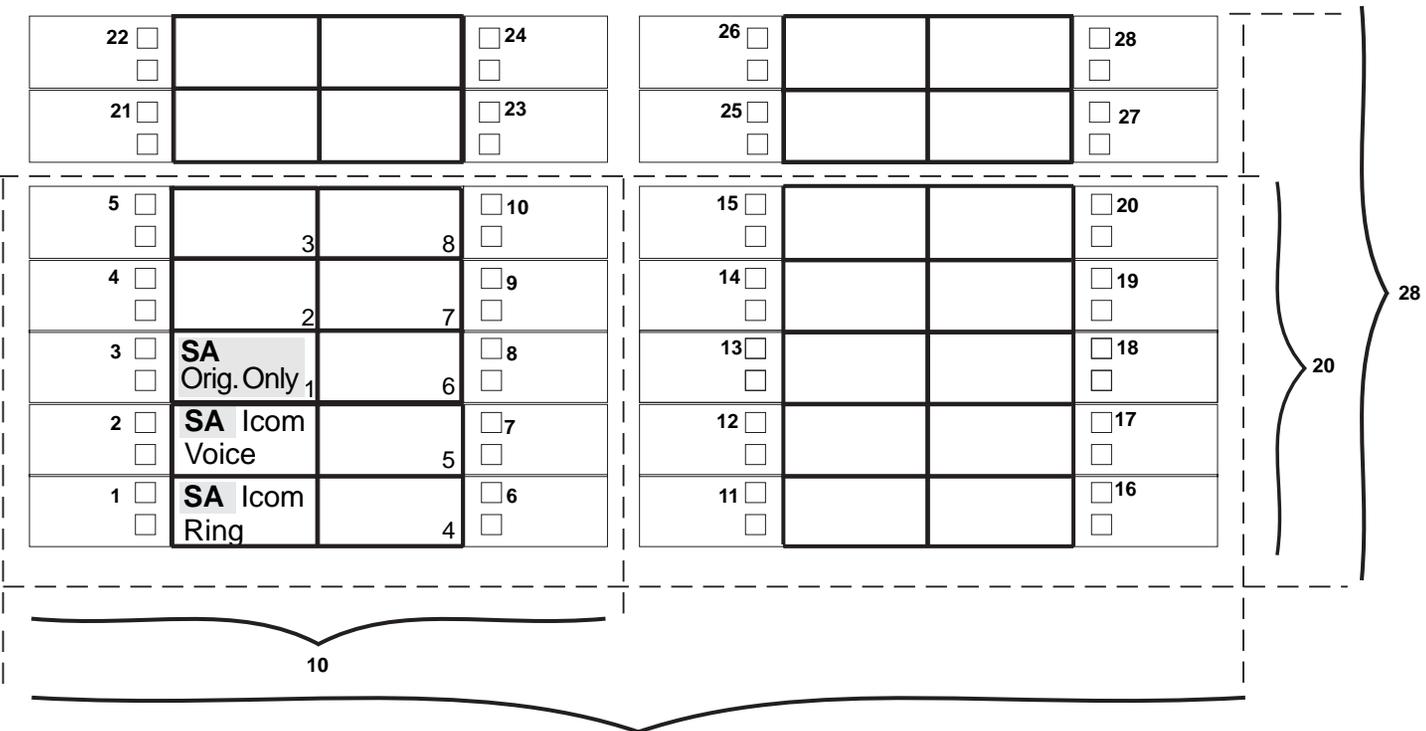
♦ Factory Setting

* The system capacity for Personal Directories is decreased by one whenever an MLX-20L telephone is connected to an MLX port.

† This telephone is the same as the MLX-10D except it has an adjunct plug in the back for connection to a PC when programming telephone features using CTI software application. This telephone is available with Release 2.1 and later.

** Refer to Form 11 to assign as a Service Observer.

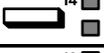
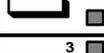
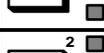
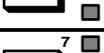
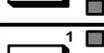
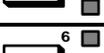
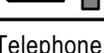
Button Diagram
 See Master Extension



Note: Lines 1 through 8 only default on a telephone when the system is in Key mode.

Button Diagram

See Master Extension

 13			 16
 12			 15
 11			 14
 5			 10
 4			 9
 3	SA Orig. Only		 8
 2	SA Icom Voice		 7
 1	SA Icom Ring		 6

Button Diagram for MLX-16DP Telephone

MFM Adjunct: MLX Telephone

Extension No. _____ Person or Location _____

Connected to MLX extension No. _____

Copied from Master Extension No. _____

Adjuncts

- FAX machine
- Answering machine
 - Used as delay announcement device for calling groups
Ext. No. _____
- Data terminal
- Alert device, type _____
 - Used as Calls-in-Queue Alarm device for calling groups
Ext. No. _____
- Other _____

Button Diagram

- See Master Extension

Line 3	5	Line 8	10
Line 2	4	Line 7	9
Line 1 SA Orig. Only	3	Line 6	8
SA Icom Voice	2	Line 5	7
SA Icom Ring	1	Line 4	6

Note: Lines 1 through 8 only default on a telephone when the system is in Key mode.

Centralized Programming Requirements

- Disable Voice Announce – change button 2 assignment to System Access Originate Only and remove button 3 assignment
- Enable Ringing/Idle Line Preference
- Change Automatic Line Selection order to: (1) System Access Ring, (2) System Access Originate Only, (3) outside trunks assigned to buttons 3 through 10
- Set Ringing Option to No Ring for each personal line on which calls are **not** received

Auto Line Selection

Optional Features

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1–6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1–6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1–9)

♦ Factory Setting

Tip/Ring Equipment

(Make a copy of this form for each device.)

Logical ID _____ Extension No. _____ Person or Location _____

Type

- Single-line telephone
- Answering machine
 - Used as delay announcement device for calling groups
Ext. No. _____
- FAX machine
- PARTNER Doorphone (008 OPT or 016 ETR module)
- Other _____

Adjuncts

- Speakerphone
- Hearing-impaired handset
- Noisy environment
- Off Premises via OPRE

Auto Line Selection

Button Diagram

Line 3	5	Line 8	10
Line 2	4	Line 7	9
Line 1 SA Orig. Only	3	Line 6	8
SA Icom Ring	2	Line 5	7
SA Icom Ring	1	Line 4	6

Optional Features

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

HotLine

- Off ♦
- On
Tel. No. or Ext. No. _____

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1-9)

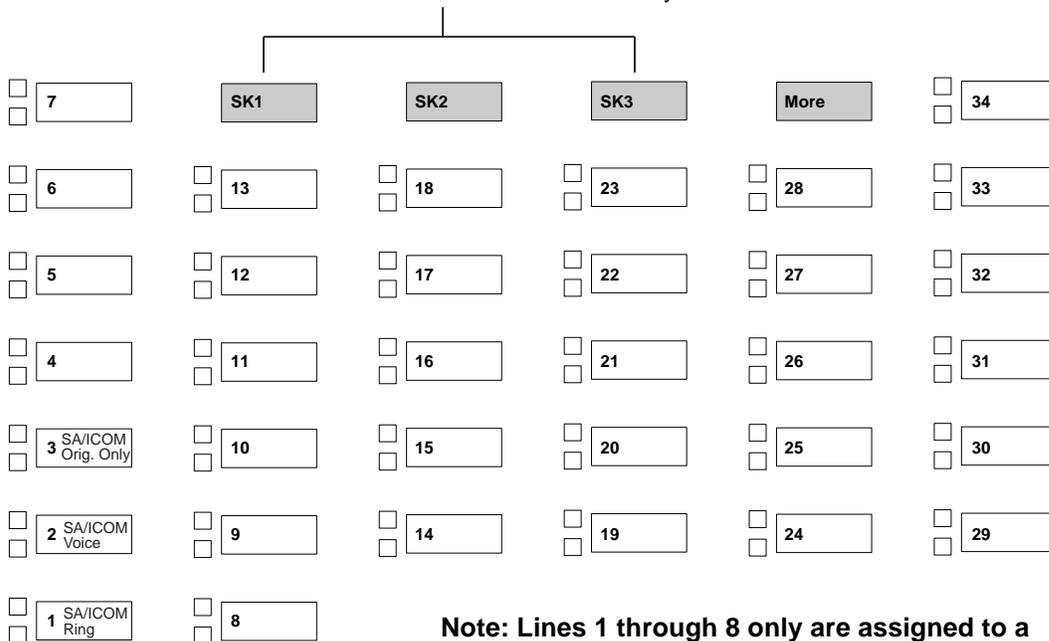
Centralized Programming Requirements

- Remove all but one SA button to disable features such as Transfer and Conference.

♦ Factory Setting

ETR-34D Button Diagram

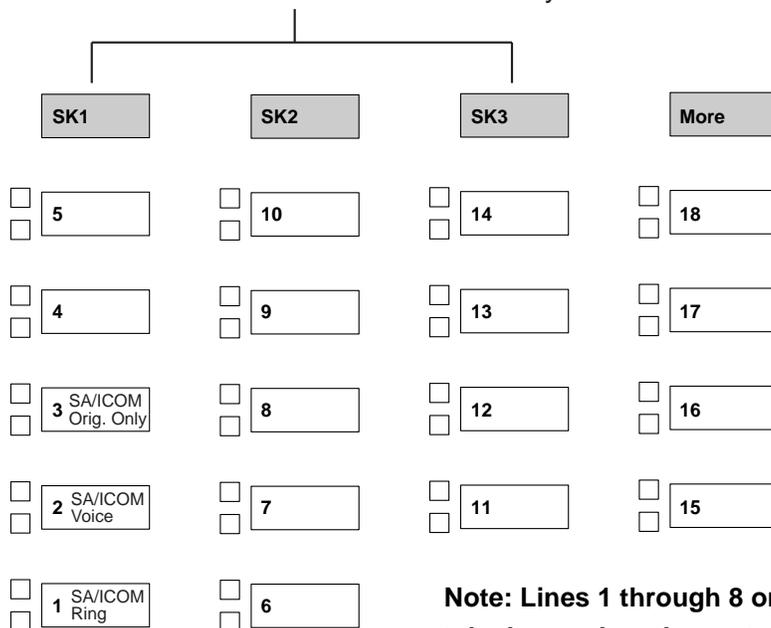
These buttons not used in MERLIN MAGIX system.



Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

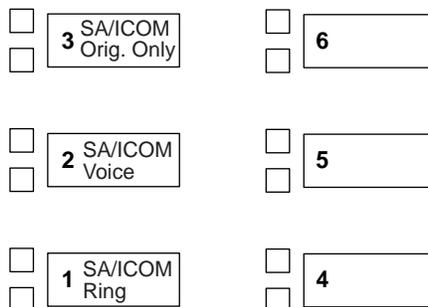
ETR-18/18D Button Diagram

These buttons not used in MERLIN MAGIX system.



Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

ETR-6 Button Diagram



Form 4h

ETR Telephone

(Make a copy of this form for each telephone.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Telephone Model

- ETR-34D®
- ETR-18D®
- ETR-18®
- ETR-6®

Adjuncts

- Off Premises via OPRE

Personal Lines

Shared Extension No. _____

- Ring
- No Ring

Auto Line Selection

Optional Features

Abbreviated Ring

- Off
- On ♦

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Computer Telephony Integrated Client PC

- Yes
- No♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1-9)

Call Screening

- Off ♦
- On

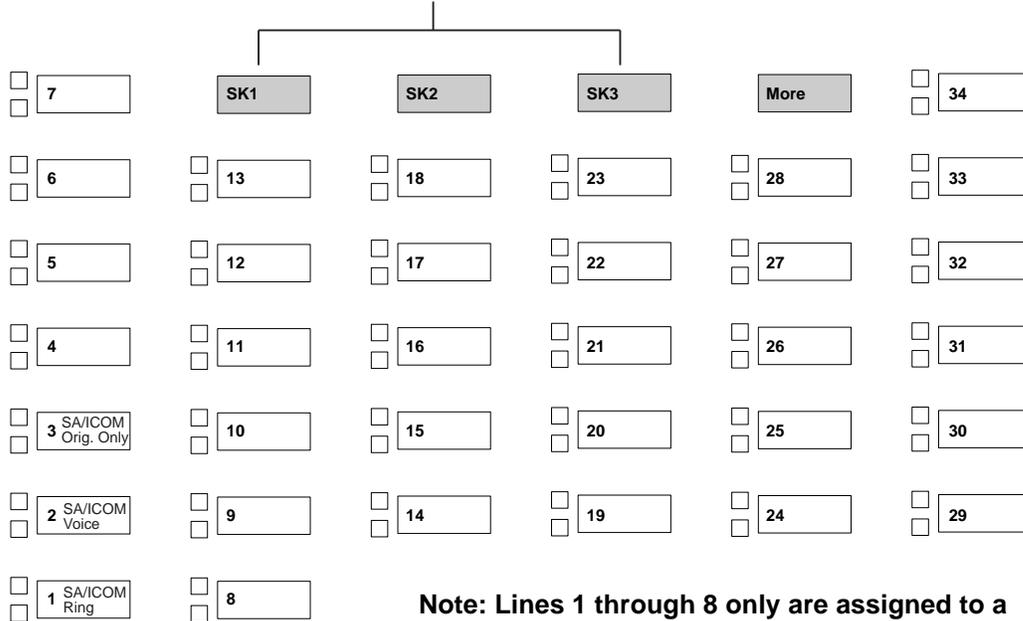
Password (Account Code) _____

♦ Factory Setting

ETR-34D Button Diagram

See Master Extension

These buttons not used in MERLIN MAGIX system.

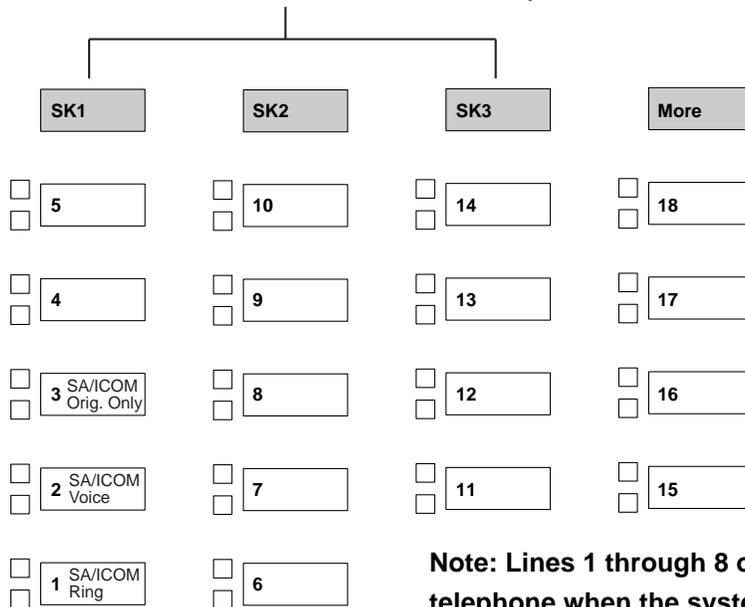


Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

ETR-18/18D Button Diagram

See Master Extension

These buttons not used in MERLIN MAGIX system.

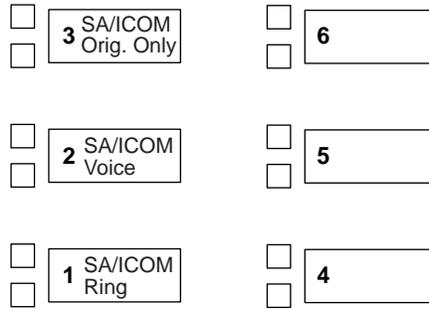


Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

Form 4h (Continued)

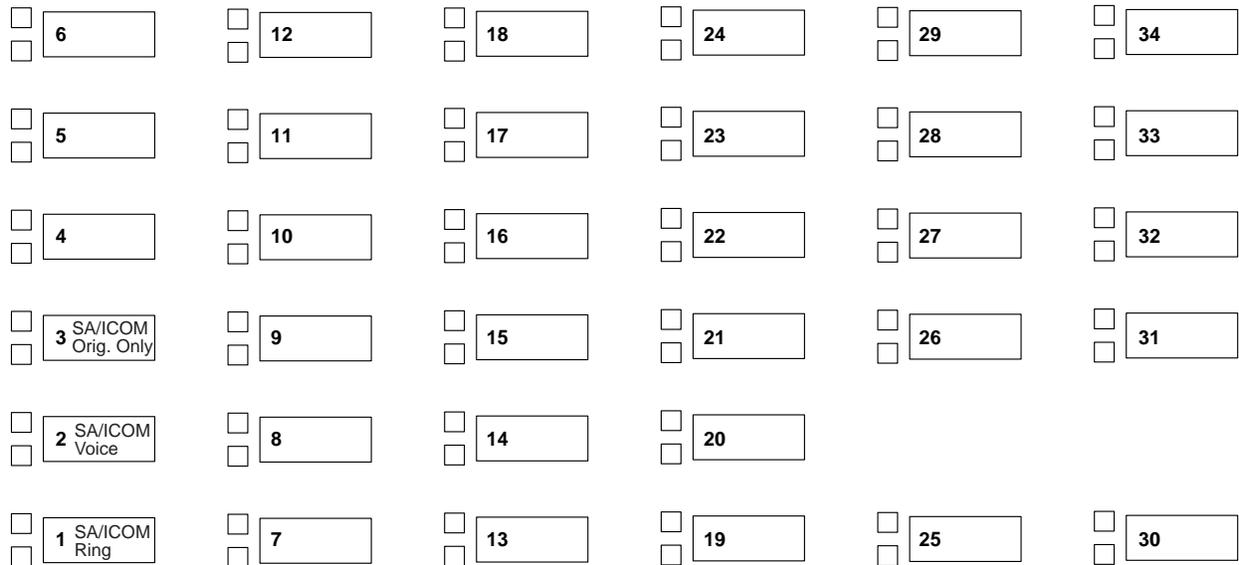
ETR-6 Button Diagram

See Master Extension



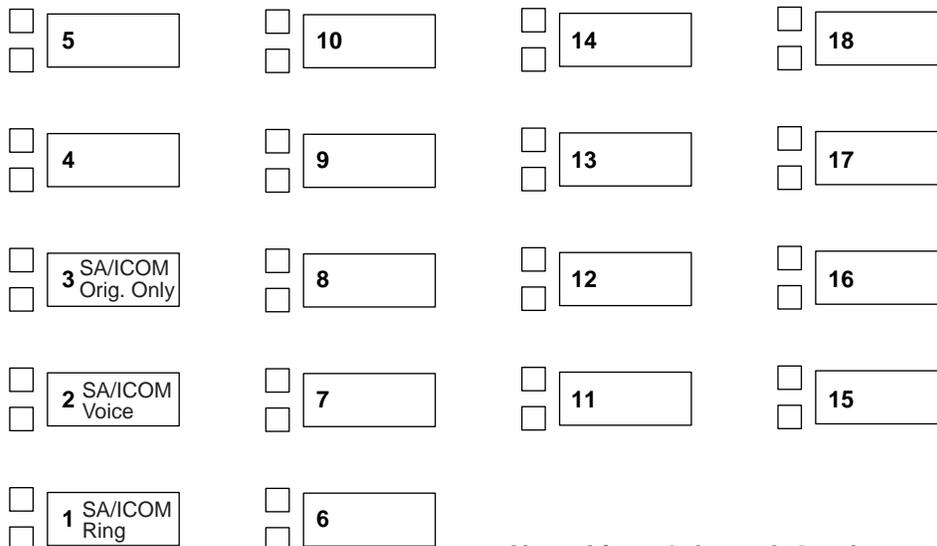
Form 4i (Continued)

MLS-34D Button Diagram



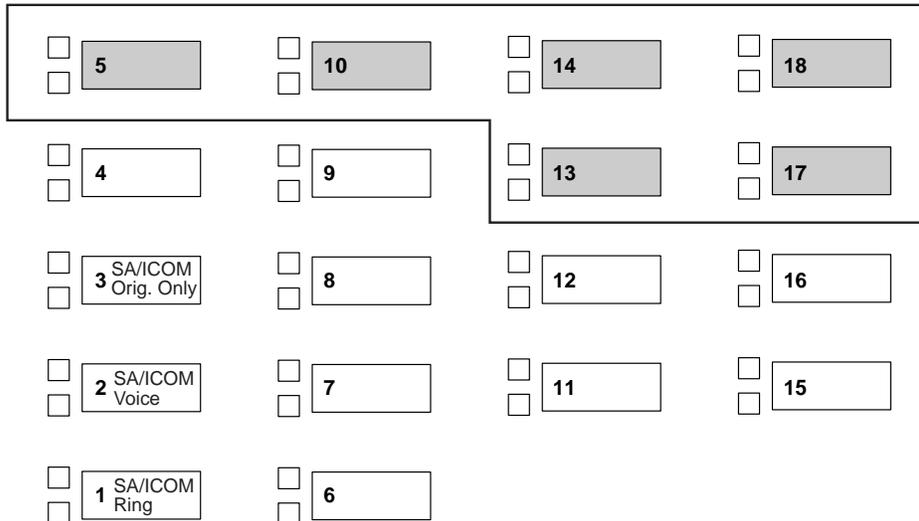
Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

MLS-18D Button Diagram



Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

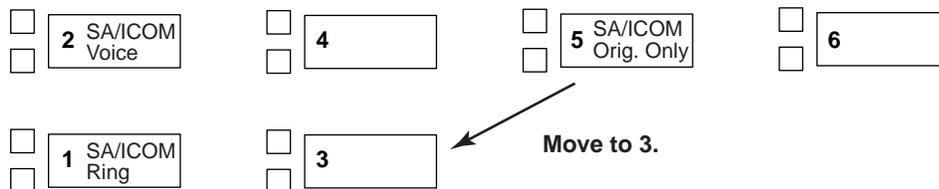
MLS-12/12D Button Diagram



Do not use these buttons for any facilities or features that require LEDs.

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

MLS-6 Button Diagram



Form 4j

MLS Telephone*

(Make a copy of this form for each telephone.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Telephone Model

- MLS-34D®
- MLS-18D®
- MLS-12D®
- MLS-12
- MLS-6®
- TransTalk®
- Business Cordless 905®

Adjuncts

- Off Premises via OPRE

Personal Lines

Shared Extension No. _____

- Ring
- No Ring

Auto Line Selection

Optional Features

Abbreviated Ring

- Off
- On ♦

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Computer Telephony Integrated Client PC

- Yes
- No♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1-9)

Call Screening

- Off ♦
- On

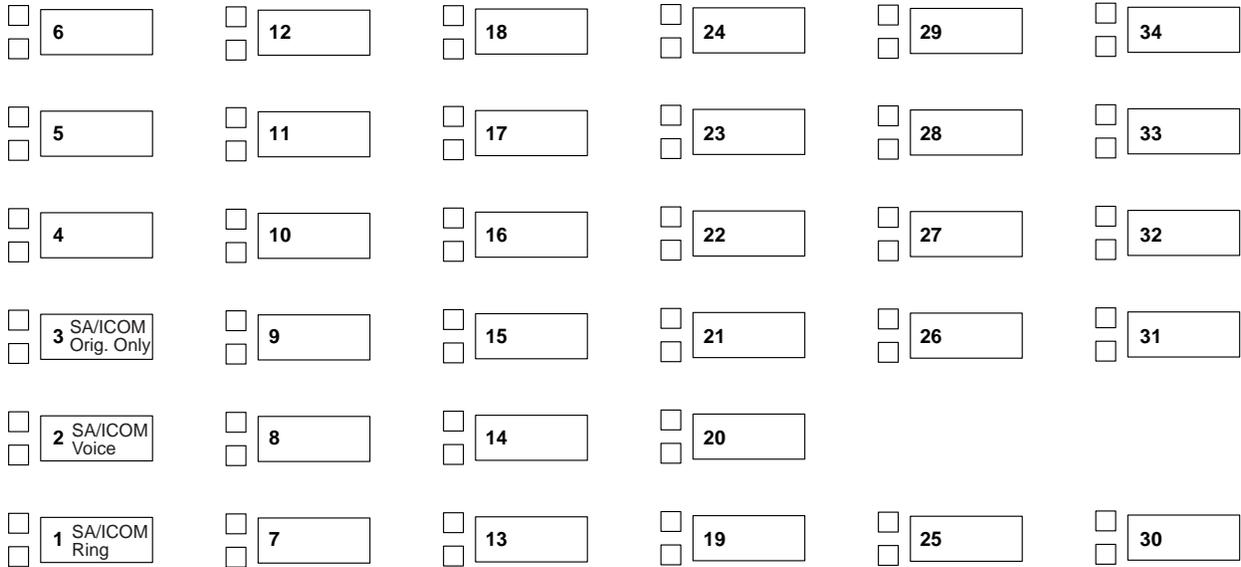
Password (Account Code) _____

♦ Factory Setting
* No longer available

Form 4j (Continued)

MLS-34D Button Diagram

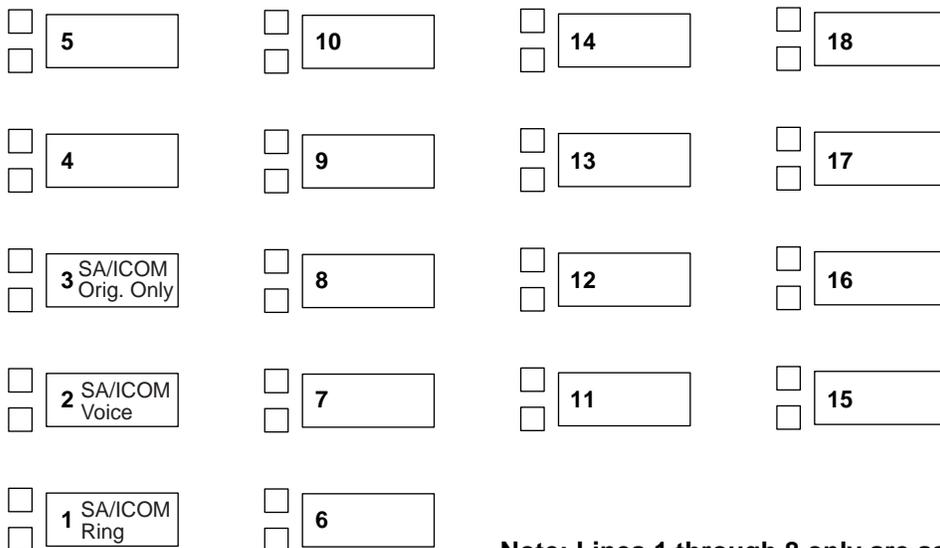
See Master Extension



Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

MLS-18D Button Diagram

See Master Extension

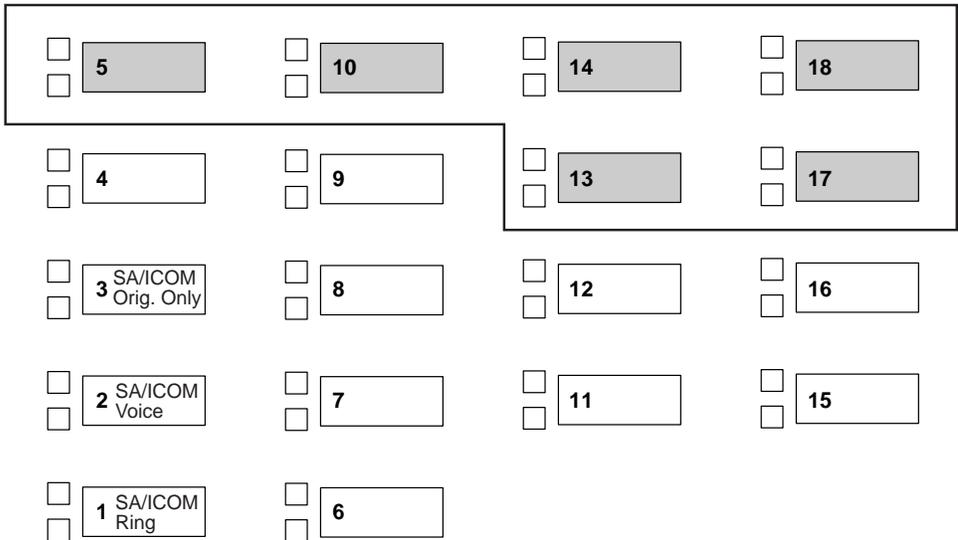


Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

Form 4j (Continued)

MLS-12/12D Button Diagram

See Master Extension

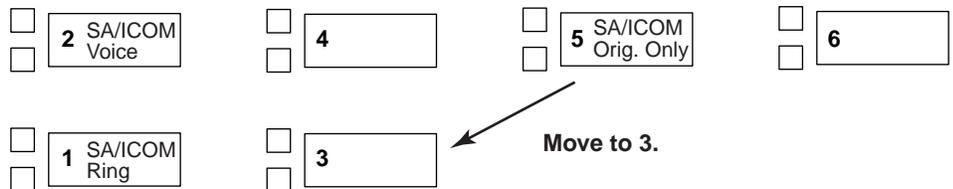


Do not use these buttons for any facilities or features that require LEDs.

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

MLS-6 Button Diagram

See Master Extension



4400/4400D Telephone

(Make a copy of this form for each device.)

Logical ID _____ Extension No. _____ Person or Location _____

Telephone

- 4400
- 4400D

Auto Line Selection

Optional Features

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ____rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ____rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ____rings (1-9)

♦ *Factory Setting*

4424LD+, 4424D+, and 4412D+ Button Diagram

<input type="checkbox"/> 21 <input type="checkbox"/>			<input type="checkbox"/> 23 <input type="checkbox"/>	<input type="checkbox"/> 25 <input type="checkbox"/>			<input type="checkbox"/> 27 <input type="checkbox"/>
<input type="checkbox"/> 5 <input type="checkbox"/>			<input type="checkbox"/> 10 <input type="checkbox"/>	<input type="checkbox"/> 15 <input type="checkbox"/>			<input type="checkbox"/> 20 <input type="checkbox"/>
<input type="checkbox"/> 4 <input type="checkbox"/>			<input type="checkbox"/> 9 <input type="checkbox"/>	<input type="checkbox"/> 14 <input type="checkbox"/>			<input type="checkbox"/> 19 <input type="checkbox"/>
<input type="checkbox"/> 3 <input type="checkbox"/>	SA/ICOM Orig. Only		<input type="checkbox"/> 8 <input type="checkbox"/>	<input type="checkbox"/> 13 <input type="checkbox"/>			<input type="checkbox"/> 18 <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/>	SA/ICOM Voice		<input type="checkbox"/> 7 <input type="checkbox"/>	<input type="checkbox"/> 12 <input type="checkbox"/>			<input type="checkbox"/> 17 <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/>	SA/ICOM Ring		<input type="checkbox"/> 6 <input type="checkbox"/>	<input type="checkbox"/> 11 <input type="checkbox"/>			<input type="checkbox"/> 16 <input type="checkbox"/>

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

4406D+ Button Diagram

<input type="checkbox"/> 3 <input type="checkbox"/>	SA/ICOM Orig. Only		<input type="checkbox"/> 6 <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/>	SA/ICOM Voice		<input type="checkbox"/> 5 <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/>	SA/ICOM Ring		<input type="checkbox"/> 4 <input type="checkbox"/>

Form 4m

Multiline 4400-Series Telephone

(Make a copy of this form for each telephone.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Wall Mount

Telephone Model

4424LD+™

4424D+™

4412D+™

4406D+™

Adjuncts

Headset

Hearing-impaired handset

Noisy environment

Off Premises

Optional Features

Abbreviated Ring

Off

On ♦

Auto Callback

Off ♦

On

Call Waiting

Off ♦

On

Voice-Announced Calls

On ♦

Off

Coverage Inside

Off

On ♦

Cover Ring Delay

Primary Cover Ring Delay

2 Rings ♦

___ rings (1-6)

Secondary Cover Ring Delay

2 Rings ♦

___ rings (1-6)

Group Coverage Ring Delay

3 Rings ♦

___ rings (1-9)

Computer Telephony Integrated Client PC

Yes

No♦

Call Screening

Off ♦

On

Password (Account Code) _____

Personal Lines

Shared Extension No. _____

Ring

No Ring

Auto Line Selection

Centralized Programming Requirements*

Assign Service Observing Button

♦ Factory Setting

* Refer to Form 11 to assign as a Service Observer.

Form 4m (Continued)

4424LD+, 4424D+, and 4412D+ Button Diagram

See Master Extension

<input type="checkbox"/> 21 <input type="checkbox"/>			<input type="checkbox"/> 23 <input type="checkbox"/>	<input type="checkbox"/> 25 <input type="checkbox"/>			<input type="checkbox"/> 27 <input type="checkbox"/>
<input type="checkbox"/> 5 <input type="checkbox"/>			<input type="checkbox"/> 10 <input type="checkbox"/>	<input type="checkbox"/> 15 <input type="checkbox"/>			<input type="checkbox"/> 20 <input type="checkbox"/>
<input type="checkbox"/> 4 <input type="checkbox"/>			<input type="checkbox"/> 9 <input type="checkbox"/>	<input type="checkbox"/> 14 <input type="checkbox"/>			<input type="checkbox"/> 19 <input type="checkbox"/>
<input type="checkbox"/> 3 <input type="checkbox"/>	SA/ICOM Orig. Only		<input type="checkbox"/> 8 <input type="checkbox"/>	<input type="checkbox"/> 13 <input type="checkbox"/>			<input type="checkbox"/> 18 <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/>	SA/ICOM Voice		<input type="checkbox"/> 7 <input type="checkbox"/>	<input type="checkbox"/> 12 <input type="checkbox"/>			<input type="checkbox"/> 17 <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/>	SA/ICOM Ring		<input type="checkbox"/> 6 <input type="checkbox"/>	<input type="checkbox"/> 11 <input type="checkbox"/>			<input type="checkbox"/> 16 <input type="checkbox"/>

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

4406D+ Button Diagram

See Master Extension

<input type="checkbox"/> 3 <input type="checkbox"/>	SA/ICOM Orig. Only		<input type="checkbox"/> 6 <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/>	SA/ICOM Voice		<input type="checkbox"/> 5 <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/>	SA/ICOM Ring		<input type="checkbox"/> 4 <input type="checkbox"/>

TransTalk 9031/9040 Button Diagrams

Hybrid/PBX Mode

Blank 5	Blank 6	Blank 7	Blank 8
SA OO 1	Blank 2	Blank 3	Blank 4
SA Ring A	SA Voice B	Blank C	Drop D

Key Mode

Line 5 5	Line 6 6	Line 7 7	Line 8 8
Line 1 1	Line 2 2	Line 3 3	Line 4 4
ICOM Ring A	ICOM Voice B	Blank C	Blank D

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

Business Cordless 905 Button Diagrams

Hybrid/PBX Mode

SA Ring 1	SA Voice 2	SA OO 3	Blank 4	Drop 5
-----------------	------------------	---------------	------------	-----------

Key Mode

ICOM Ring 1	ICOM Voice 2	Blank 3	Blank 4	Blank 5
-------------------	--------------------	------------	------------	------------

Form 4o

Wireless Telephone

(Make a copy of this form for each telephone.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Telephone Model

- TransTalk 9031
- TransTalk 9040
- Business Cordless 905

Adjuncts

- Headset

Personal Lines

Shared Extension No. _____

- Ring
- No Ring

Auto Line Selection

Optional Features

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ____rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ____rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ____rings (1-9)

Computer Telephony Integrated Client PC

- Yes
- No♦

♦ *Factory Setting*

Form 4o (Continued)

TransTalk 9031/9040 Button Diagrams

See Master Extension

Hybrid/PBX Mode

Blank	Blank	Blank	Blank
5	6	7	8
SA OO 1	Blank 2	Blank 3	Blank 4
SA Ring A	SA Voice B	Blank C	Drop D

Key Mode

Line 5	Line 6	Line 7	Line 8
5	6	7	8
Line 1	Line 2	Line 3	Line 4
1	2	3	4
ICOM Ring A	ICOM Voice B	Blank C	Blank D

Note: Lines 1 through 8 only are assigned to a telephone when the system is in Key mode.

Business Cordless 905 Button Diagrams

See Master Extension

Hybrid/PBX Mode

SA Ring 1	SA Voice 2	SA OO 3	Blank 4	Drop 5
-----------------	------------------	---------------	------------	-----------

Key Mode

ICOM Ring 1	ICOM Voice 2	Blank 3	Blank 4	Blank 5
-------------------	--------------------	------------	------------	------------

Direct-Line Console (DLC): Analog

Discontinued

Discontinued

Direct-Line Console (DLC)

(Make a copy of this form for each console.)

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Console Model

- 4424LD+™
- 4424D+™
- MLX-20L®
- MLX-28D®

Adjuncts

- Direct Station Selector
Number (1 or 2) _____
- Multi-Function Module (MFM) Extension No.*

 - FAX machine
 - Answering machine
 - Data terminal
 - Alert device
type _____
 - Other _____
- Headset
- Hearing-impaired handset
- Noisy environment
- CTI PC

Personal Lines

Auto Line Selection

Optional Features

Abbreviated Ring

- Off
- On ♦

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Voice-Announced Calls

- On ♦
- Off

Coverage Inside

- Off
- On ♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1-6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1-9)

Call Screening

- Off ♦
- On

Password (Account Code) _____

♦ *Factory Setting*

* *MLX DLC only.*

Form 5b (Continued)

4424LD+ or 4424D+ DLC Button Diagram

See Master Extension

<input type="checkbox"/> 21 <input type="checkbox"/>			<input type="checkbox"/> 23 <input type="checkbox"/>	<input type="checkbox"/> 25 <input type="checkbox"/>			<input type="checkbox"/> 27 <input type="checkbox"/>
<input type="checkbox"/> 5 <input type="checkbox"/>			<input type="checkbox"/> 10 <input type="checkbox"/>	<input type="checkbox"/> 15 <input type="checkbox"/>			<input type="checkbox"/> 20 <input type="checkbox"/>
<input type="checkbox"/> 4 <input type="checkbox"/>			<input type="checkbox"/> 9 <input type="checkbox"/>	<input type="checkbox"/> 14 <input type="checkbox"/>			<input type="checkbox"/> 19 <input type="checkbox"/>
<input type="checkbox"/> 3 <input type="checkbox"/>			<input type="checkbox"/> 8 <input type="checkbox"/>	<input type="checkbox"/> 13 <input type="checkbox"/>			<input type="checkbox"/> 18 <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/>	SA Icom Voice		<input type="checkbox"/> 7 <input type="checkbox"/>	<input type="checkbox"/> 12 <input type="checkbox"/>			<input type="checkbox"/> 17 <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/>	SA Icom Ring		<input type="checkbox"/> 6 <input type="checkbox"/>	<input type="checkbox"/> 11 <input type="checkbox"/>			<input type="checkbox"/> 16 <input type="checkbox"/>

MLX-20L or MLX-28D DLC Button Diagram

See Master Extension

<input type="checkbox"/> 22 <input type="checkbox"/>			<input type="checkbox"/> 2 <input type="checkbox"/>	<input type="checkbox"/> 26 <input type="checkbox"/>			<input type="checkbox"/> 28 <input type="checkbox"/>
<input type="checkbox"/> 21 <input type="checkbox"/>			<input type="checkbox"/> 2 <input type="checkbox"/>	<input type="checkbox"/> 25 <input type="checkbox"/>			<input type="checkbox"/> 27 <input type="checkbox"/>
<input type="checkbox"/> 5 <input type="checkbox"/>		3	8	<input type="checkbox"/> 1 <input type="checkbox"/>	<input type="checkbox"/> 15 <input type="checkbox"/>		<input type="checkbox"/> 20 <input type="checkbox"/>
<input type="checkbox"/> 4 <input type="checkbox"/>		2	7	<input type="checkbox"/>	<input type="checkbox"/> 14 <input type="checkbox"/>	13	18
<input type="checkbox"/> 3 <input type="checkbox"/>		1	6	<input type="checkbox"/>	<input type="checkbox"/> 13 <input type="checkbox"/>	12	17
<input type="checkbox"/> 2 <input type="checkbox"/>	SA Icom Voice		5	<input type="checkbox"/>	<input type="checkbox"/> 12 <input type="checkbox"/>	11	16
<input type="checkbox"/> 1 <input type="checkbox"/>	SA Icom Ring		4	<input type="checkbox"/>	<input type="checkbox"/> 11 <input type="checkbox"/>	10	15
				<input type="checkbox"/>	<input type="checkbox"/> 10 <input type="checkbox"/>	9	14
				<input type="checkbox"/>	<input type="checkbox"/> 9 <input type="checkbox"/>		

} 20 } 28

Assignment of outside trunks to console buttons begins with number 3.

MFM Adjunct: MLX-20L or MLX-28D DLC

Extension No. _____ Person or Location _____

Connected to MLX extension No. _____

Copied from Master Extension No. _____

Adjuncts

- FAX machine
- Answering machine
 - Used as delay announcement device for calling groups
Ext. No. _____
- Data terminal
- Alert device, type _____
 - Use as Calls-in-Queue Alarm device for calling groups
Ext. No. _____
- Other _____

Button Diagram

- See Master Extnsions

Line 3	Line 8
Line 2	Line 7
Line 1 SA Orig. Only	Line 6
SA Icom Voice	Line 5
SA Icom Ring	Line 4

Note: Lines 1 through 8 only default on a telephone when the system is in Key mode.

Centralized Programming Requirements

- Disable Voice Announce – change button 2 assignment to System Access Originate Only and remove button 3 assignment
- Enable Ringing/Idle Line Preference
- Change Automatic Line Selection order to: (1) System Access Ring, (2) System Access Originate Only, (3) outside trunks assigned to buttons 3 through 10
- Set Ringing Option to No Ring for each personal line on which calls are **not** received

Auto Line Selection

Optional Features

Auto Callback

- Off ♦
- On

Call Waiting

- Off ♦
- On

Coverage Inside

- Off
- On ♦

Cover Ring Delay

Primary Cover Ring Delay

- 2 Rings ♦
- ___rings (1–6)

Secondary Cover Ring Delay

- 2 Rings ♦
- ___rings (1–6)

Group Coverage Ring Delay

- 3 Rings ♦
- ___rings (1–9)

♦ Factory Setting

Queued Call Console (QCC)*

(Make a copy of this form for each console.)

Logical ID _____ Extension No. _____ Person or Location _____

Adjuncts

- DirectStationSelector
- Number(1or2)_____
- Headset
- Hearing-impairedhandset
- Noisyenvironment

Message Center Operator

- No
- Yes

* Hybrid/PBX mode only.

Form 5d (Continued)

4424LD+ QCC Button Diagram

<input type="checkbox"/>	<input type="checkbox"/>	<i>Feature</i>	<i>HFAI</i>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Drop</i>	<i>Inspect</i>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	G <i>Call 5</i>	H <i>Position Busy</i>	<input type="checkbox"/>	<input type="checkbox"/>	I <i>Alarm</i>	J <i>Forced Release</i>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	K <i>Call 4</i>	L <i>Send/Remove Message</i>	<input type="checkbox"/>	<input type="checkbox"/>	M <i>Night Service</i>	N <i>Pool Status</i>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	O <i>Call 3</i>	P <i>Loudspeaker Page</i>	<input type="checkbox"/>	<input type="checkbox"/>	Q <i>Headset Status</i>	R <i>Headset Auto Ans</i>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	S <i>Call 2</i>	T <i>Source</i>	<input type="checkbox"/>	<input type="checkbox"/>	U <i>Destination</i>	V <i>Join</i>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	W <i>Call 1</i>	X <i>Start</i>	<input type="checkbox"/>	<input type="checkbox"/>	Y <i>Release</i>	Z <i>Cancel</i>	<input type="checkbox"/>	<input type="checkbox"/>

MLX-20L QCC Button Diagram

5	<input type="checkbox"/>	G CALL 5/VA	H POSITION BUSY	<input type="checkbox"/>	10	<input type="checkbox"/>	I ALARM	J FORCED RELEASE	<input type="checkbox"/>	20
4	<input type="checkbox"/>	K CALL 4	L SEND/REMOVE MSG	<input type="checkbox"/>	9	<input type="checkbox"/>	M NIGHT SERVICE	N POOL STATUS	<input type="checkbox"/>	19
3	<input type="checkbox"/>	O CALL 3	P HEADSET MUTE	<input type="checkbox"/>	8	<input type="checkbox"/>	Q HEADSET STATUS	R HEADSET AUTO ANSWER	<input type="checkbox"/>	18
2	<input type="checkbox"/>	S CALL 2	T SOURCE	<input type="checkbox"/>	7	<input type="checkbox"/>	U DESTINATION	V JOIN	<input type="checkbox"/>	17
1	<input type="checkbox"/>	W CALL 1	X START	<input type="checkbox"/>	6	<input type="checkbox"/>	Y RELEASE	Z CANCEL	<input type="checkbox"/>	16

Optional Operator Features

Direct-Line Console

Operator Hold Timer

- 60 seconds ♦
- _____ seconds (10–255)

DLC Automatic Hold

- Disable ♦
- Enable

Queued Call Console*

Hold Return

- Remain on hold ♦
- Return to queue

Message Center

- No
- Yes, Operator Extension No. _____

Automatic Hold or Release

- Automatic Release ♦
- Automatic Hold

Extended Call Completion

- Automatic completion ♦
- Manual completion

Calls-in-Queue Alert

- Disable ♦
- Enable, Operator Extension No(s).

Return Ring

- 4 rings ♦
- _____ rings (1–15)

Queue Over Threshold

- 0 calls ♦ (operators not notified when calls are in queue)
- _____ calls (1–99)

Position Busy Backup

- No ♦
- Yes, Extension no. of calling group backup _____

Elevate Priority

- 0 seconds ♦ (calls are not automatically reprioritized)
- _____ seconds (5–30)

Operator Hold Timer

- 60 seconds ♦
- _____ seconds (10–255)

Voice Announce

- Disable ♦
- Enable

Direct Station Selector

Page Buttons

Page Button	1	2	3
Beginning extension for range			

*Enter first extension number for range of 50 (1 DSS) or 100 (2 DSSs) extensions for each **Page** button.*

Call Park Codes (See Form 2d)

Factory-Set Extension No.	Renumber to	Factory-Set Extension No.	Renumber to
881		885	
882		886	
883		887	
884		888	

♦ *Factory Setting*

* *Hybrid/PBX mode only*

Call Types*

Call Types	QCC Operator to Receive Calls	QCC Queue Priority Level (4◆)
Dial 0		
Call Follow/Forward	N/A	
Unassigned DID		
Listed Directory Number		
QCC Extension	N/A	
Returning		

Group Coverage Calls

Group No.	QCC Operator to Receive Calls	QCC Queue Priority Level (4◆)	Group No.	QCC Operator to Receive Calls	QCC Queue Priority Level (4◆)
1			16		
2			17		
3			18		
4			19		
5			20		
6			21		
7			22		
8			23		
9			24		
10			25		
11			26		
12			27		
13			28		
14			29		
15			30		

◆ Factory Setting
 * Hybrid/PBX mode only

Principal User of Personal Line

Factory-Set Trunk No.	Extension No.	Factory-Set Trunk No.	Extension No.	Factory-Set Trunk No.	Extension No.	Factory-Set Trunk No.	Extension No.
801		821		841		861	
802		822		842		862	
803		823		843		863	
804		824		844		864	
805		825		845		865	
806		826		846		866	
807		827		847		867	
808		828		848		868	
809		829		849		869	
810		830		850		870	
811		831		851		871	
812		832		852		872	
813		833		853		873	
814		834		854		874	
815		835		855		875	
816		836		856		876	
817		837		857		877	
818		838		858		878	
819		839		859		879	
820		840		860		880	

Note: Lines must be assigned to the principal user's extension before the principal users can be programmed.
 See Form 2c, page1 for telephone numbers and extension numbers assigned to trunks.

Message-Waiting Receivers

System Notification Threshold (0-30 seconds) _____
(factory setting is 10 seconds)

	Fax Machine Extension No.	Receivers			
		Ext. No.	Ext. No.	Ext. No.	Ext. No.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Call Pickup Groups

Maximum: 30 groups. (Make additional copies if more than 8 groups are assigned.)

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Number _____		
Group ID _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Group Paging

(See Form 2d)

Group No. 1 Group ID _____		
Factory-Set Ext. No. 793 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 2 Group ID _____		
Factory-Set Ext. No. 794 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 3 Group ID _____		
Factory-Set Ext. No. 795 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 4 Group ID _____		
Factory-Set Ext. No. 796 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 5 Group ID _____ Factory-Set Ext. No. 797 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 6 Group ID _____ Factory-Set Ext. No. 798 Renumber to _____		
	Ext. No.	Person or Location
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Group No. 7 Page All Factory-Set Ext. No. 799 Renumber to _____

Group Number _____

Group ID _____

Ext. No. _____

Calling Group Options*

Hunt Type

- Circular ♦
- Linear
- Most-Idle

Primary Delay Announcements

- No ♦
- Yes, Extension No. _____

Secondary Delay Announcement

- No ♦
- Yes, Extension No. _____
Delay Interval _____ (0♦-900 sec.)
 - Disabled ♦
 - Enabled

Message-Waiting Receiver

- No ♦
- Yes, Extension No. _____

First Calls-in-Queue Alarm Threshold

- 1 call ♦
- _____ calls (2-99)

Second Calls-in-Queue Alarm Threshold

- 1 call ♦
- _____ calls (2-99)

Third Calls-in-Queue Alarm Threshold

- 1 call ♦
- _____ calls (2-99)

External Alert for Calls-in-Queue Alarm

- No ♦
- Yes, Extension No. _____

Overflow Coverage

- No ♦
- Yes, Calling Group No. _____
- Yes, QCC LDN (queue) Extension No. _____

Overflow Threshold

- 1 call ♦
- _____ calls (2-99)

Overflow Threshold Time

- 0 seconds ♦
- _____ seconds (1-900)

Group Type

- Auto Login
- Auto Logout ♦
- Integrated VMI†
- Generic VMI†

Prompt-Based Overflow

- Disabled ♦
- Enabled

Queue Control

- 99 calls ♦
- _____ calls (0-98)

Priority Call Queuing

- No ♦
- Yes
 - Home Group Priority Level _____
(1-32; 16 is the factory setting.)
 - Support Group Extension No. _____
(Support Group Priority Level) _____

* If the system has AUDIX Voice Power/FAX Attendant System, you do not need to fill in this information. Settings will be automatically set by Integrated Administration to defaults assumed by the AUDIX Voice Power system (and not necessarily those listed on this form). Changing the assumed defaults could affect how the AUDIX Voice Power system works. If you change them, DO SO WITH CAUTION, and record the settings on this form. For more information, see the AUDIX Voice Power documentation.

† Any port programmed as a VMI port is, by default, restricted from making outgoing calls.

System Features

Transfer Options*

Return Time Interval†

- 4 rings ♦
- 0 rings
- _____ rings (1–9)

One-Touch Call Handling

- One-Touch Transfer ♦
 - Manual Completion
 - Automatic Completion ♦
- One-Touch-Hold

Transfer Audible

- Music On Hold ♦
- Ringback

Type of Transfer

- Voice button
- Ring button ♦

Camp-On Return Time

- 90 seconds ♦
- _____ seconds (30–300)

Call Park Return Time

- 180 seconds ♦
- _____ seconds (30–300)

Automatic Callback Interval

- 3 rings ♦
- _____ rings (1–6)

Extension Status

- Hotel
 - Assign to operator positions

- Group Calling/CMS ♦

SMDR Options

Call Report Format

- Basic ♦
- ISDN

Calls Reported (non-UDP)

- Incoming and outgoing ♦
- Outgoing only

Talk Time

- Enabled
- Disabled ♦

Call Length‡

- 40 seconds ♦
- _____ seconds (0–255)

Calls Reported (UDP)

- Incoming and outgoing
- None ♦

Inside Dial Tone

- Inside ♦
- Outside

Reminder Service Cancel

- No
- Yes, _____ time of day

Calls to Unassigned Extensions

- QCC Queue _____ §
- Extension ♦, No. _____ (default is the primary operator extension)
- Calling Group, Extension No. _____

Recall Timer

- 350 ms
- 450 ms ♦
- 650 ms
- 1 sec

Rotary

- Delay ♦
- No Delay

Automatic Daylight Savings Time

- Enable ♦
 - USA ADST ♦
 - Custom
- Disable

Hot Dialpad

- Off ♦
- On

Note: If you use equipment that rebroadcasts music or other copyrighted material, you may be required to obtain a copyright license from, and pay license fees to, a third party such as the American Society of Composers, Artists, and Producers (ASCAP) or Broadcast Music Incorporated (BMI). Or you can purchase a Magic-on-Hold system, which does not require you to obtain such a license, from Lucent Technologies or an authorized representative.

♦ Factory Setting

* Transfer features (and any feature that requires more than one SA button) can be disabled on single-line telephones by removing all but one SA button via Centralized Programming.

† If the system has AUDIX Voice Power/FAX Attendant System, Integrated Administration will automatically set the Return Time Interval to "6."

‡ For systems where the majority of lines are PRI, the SMDR Call Length should be one second.

§ Hybrid/PBX mode only

Night Service: Options

Day	Start Time*	Stop Time*
Sunday (0)		
Monday (1)		
Tuesday (2)		
Wednesday (3)		
Thursday (4)		
Friday (5)		
Saturday (6)		

* Hours and minutes in 24-hour (military) time

Note: Start time is the END of your business day.
Stop time is the BEGINNING of your business day.

Coverage Control

- Enable
- Disable ◆

◆ Factory Setting

Label Form: Posted Message

Message No.	Default Label	Revised Message (16 characters maximum)
1	DO NOT DISTURB	(Cannot be changed)
2	OUT TO LUNCH	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
3	AT HOME	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
4	OUT SICK	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
5	IN A MEETING	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
6	IN CONFERENCE	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
7	WITH A CLIENT	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
8	WITH A CUSTOMER	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
9	AWAY FROM DESK	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
10	OUT ALL DAY	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
11	CUSTM MSG11	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
12	CUSTM MSG12	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
13	CUSTM MSG13	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
14	CUSTM MSG14	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
15	CUSTM MSG15	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
16	CUSTM MSG16	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
17	CUSTM MSG17	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
18	CUSTM MSG18	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
19	CUSTM MSG19	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
20	CUSTM MSG20	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

System Speed Dial

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ♦	No*
#600				
#601				
#602				
#603				
#604				
#605				
#606				
#607				
#608				
#609				
#610				
#611				
#612				
#613				
#614				
#615				
#616				
#617				
#618				
#619				
#620				
#621				

♦ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ♦	No*
#622				
#623				
#624				
#625				
#626				
#627				
#628				
#629				
#630				
#631				
#632				
#633				
#634				
#635				
#636				
#637				
#638				
#639				
#640				
#641				
#642				
#643				

♦ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

System Speed Dial

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ♦	No*
#644				
#645				
#646				
#647				
#648				
#649				
#650				
#651				
#652				
#653				
#654				
#655				
#656				
#657				
#658				
#659				
#660				
#661				
#662				
#663				
#664				
#665				

♦ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ♦	No*
#666				
#667				
#668				
#669				
#670				
#671				
#672				
#673				
#674				
#675				
#676				
#677				
#678				
#679				
#680				
#681				
#682				
#683				
#684				
#685				
#686				
#687				

♦ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

System Speed Dial

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ◆	No*
#688				
#689				
#690				
#691				
#692				
#693				
#694				
#695				
#696				
#697				
#698				
#699				
#700				
#701				
#702				
#703				
#704				
#705				
#706				
#707				
#708				
#709				

◆ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

Dial Code	Name (11 characters maximum)	Telephone Number (40 digits maximum)	Display	
			Yes ♦	No*
#710				
#711				
#712				
#713				
#714				
#715				
#716				
#717				
#718				
#719				
#720				
#721				
#722				
#723				
#724				
#725				
#726				
#727				
#728				
#729				

♦ Factory Setting
 * If you select "No" display, this indicates a Marked System Speed Dial number which can override calling restrictions.

