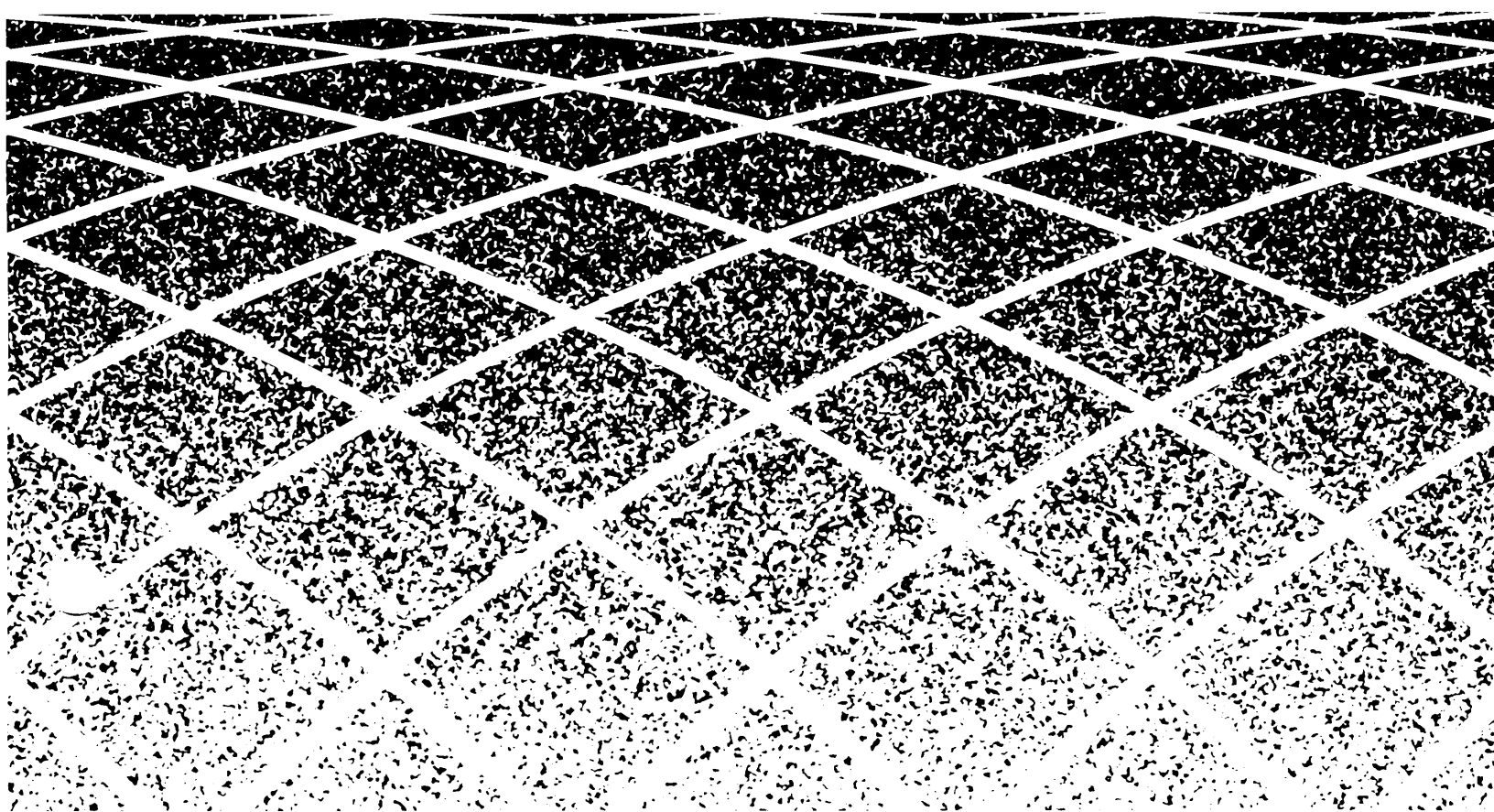




AT&T 555-620-113

MERLIN LEGEND™
Communications System
Release 2.0

System Planning Forms



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Notice

Every effort was made to ensure that the information in this book was complete and accurate at the time of printing. However, information is subject to change.

Federal Communications Commission (FCC) Information

For important FCC interference, registration, and repair information, see “Customer Support Information” in *System Planning*.

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MERLIN LEGEND™

Communications System

Release 2.0

System Planning Forms

Customer Information:

Company: _____
 Address: _____

 Telephone #: _____
 Contact Name: _____
 Customer #: _____

Sales/Installation Information:

Account Executive: _____
 Telephone #: _____
 System Consultant: _____
 Telephone #: _____
 Installation Contact: _____
 Telephone #: _____
 Order #: _____

Notes:

MERLIN LEGEND™ Communications System Release 2.0
Employee Communication Survey

Name _____ Room _____ Extension _____

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

Please answer each question below.

- 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 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 _____

MERLIN LEGEND Communications System Release 2.0
Employee Communication Survey (Continued)

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 a 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:

System Planning

Capacity

Trunks

Module Type	Number of Modules	Trunks Supported by Module	Total Trunks by Module Type
400 LS/TTR	x	4	
800 LS	x	8	
408 LS ATL	x	4	
400 GS/LS/TTR	x	4	
800 GS/LS	x	8	
408 ATL GS/LS	x	4	
408 GS/LS - MLX	x	4	
400EM	x	4	
800 DID*	x	8	
100D	x	24**	
System Totals			

* Hybrid/PBX mode only.

** The 100D module has one physical jack that supports 24 trunks.

Module Type	Number of Modules	Physical Jacks per Module	Physical Jacks by Module Type	Extensions Assigned	Total Extensions Assigned
008 MLX			x	2	
008 ATL	x	8	x	1	
408 LS/ATL	x	8	x	1	
408 ATL GS/LS	x	8	x	1	
408 GS/LS - MLX	x	8	x	2	
012	x	12	x	1	
008 OPT	x	8	+	(_x4)†	
System Totals					

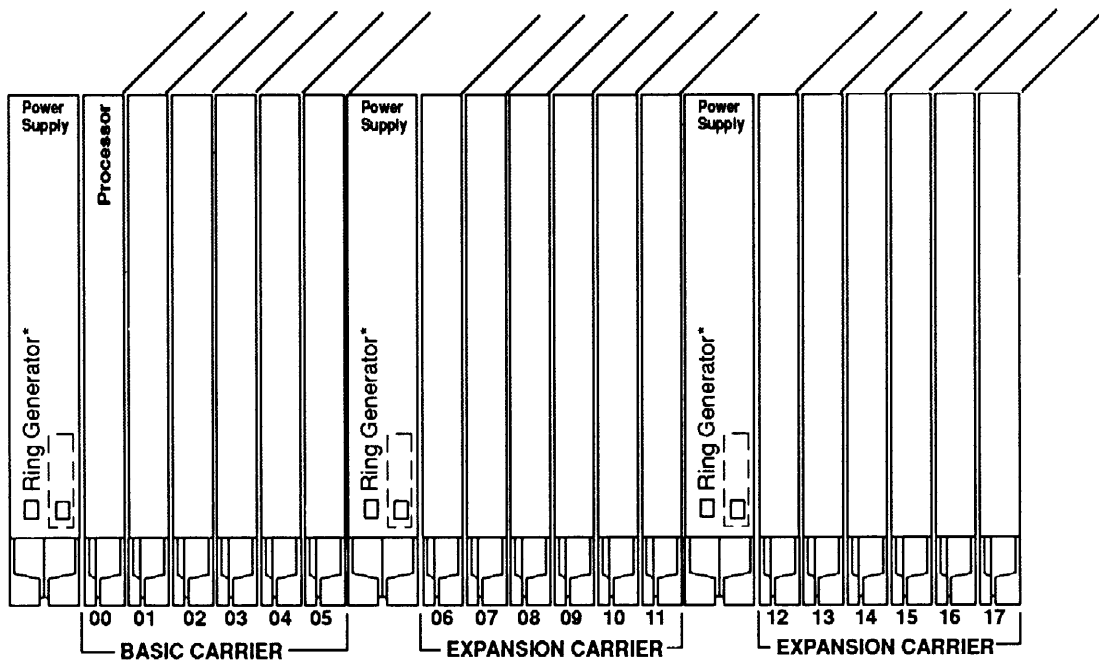
† The 008 OPT module is assigned 12 extension numbers although there are only 8 physical station jacks.

System Form 1 (Continued)

System Planning

Control Unit Diagram

Unit Load Total _____	Unit Load Total _____	Unit Load Total _____
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 SPM software

System Mode

- Key ◆
- Hybrid/PBX
- Behind Switch
Host Dial Codes:
 - Transfer _____
 - Conference _____
 - Drop _____

Language Selection

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

Automatic Maintenance Busy

- Enable
- Disable ◆

Set System Date

- Yes
- No

Set System Time

- Yes
- No

<p>System Consoles</p> <p><input type="checkbox"/> QCC (s) _____</p> <p><input type="checkbox"/> DLC (s) _____</p>

◆ Factory Setting

* Each carrier containing an 012 or 008 OPT module requires a Ring Generator.

Applications*

- Automated Document Delivery System

Notes: _____

- Call Accounting System (CAS)

Notes: _____

- Call Accounting Terminal (CAT)

- Business

- Hospitality

Notes: _____

- Call Management System (CMS)

Notes: _____

- Centrex

Notes: _____

- CONVERSANT® Intro

Notes: _____

- MERLIN® Attendant

Notes: _____

- MERLIN MAIL™ Voice Messaging System

Notes: _____

- InnManager™ Guest Management System

Notes: _____

- MERLIN PFC™ Telephone

Notes: _____

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

System Form 1 (Continued)

- MERLIN SmartConnect

Notes: _____

- System Programming and Maintenance (SPM)

Notes: _____

- Video Conferencing

Notes: _____

- IS-II

- IVP/Auto Attendant
- AUDIX Voice Power
- CAS
- SPM

Notes: _____

- IS-III

- IVP/Auto Attendant
- AUDIX Voice Power
- CAS
- SPM
- FAX Attendant System™
- Integrated Administration

Notes: _____

- Other

- _____
- _____
- _____
- _____

Notes: _____

System Numbering - Station Jacks

Renumber System
 2-Digit Selected Extension Numbers 3-Digit Set Up Space

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

Shaded lines indicate possible operator positions.
 * Use Form 2b for adjuncts connected via MFM or ISDN 7500B Data Module. ♦ Factory Setting

System Numbering - Stations Jacks

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

Shaded lines indicate possible operator positions.

* Use Form 2b for adjuncts connected via MFEM or ISDN 7500B Data Module.

† Factory Setting

System Numbering - Station Jacks

Mod. Type	Log. ID	Jack Type		Eqpt.	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumbr to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	AUDIX Voice Power™
		A	B										
	49				58	148	7148						
	50				59	149	7149						
	51				60	150	7150						
	52				61	151	7151						
	53				62	152	7152						
	54				63	153	7153						
	55				64	154	7154						
	56				65	155	7155						
	57				66	156	7156						
	58				67	157	7157						
	59				6800	158	7158						
	60				6801	159	7159						
	61				6802	160	7160						
	62				6803	161	7161						
	63				6804	162	7162						
	64				6805	163	7163						
	65				6806	164	7164						
	66				6807	165	7165						
	67				6808	166	7166						
	68				6809	167	7167						
	69				6810	168	7168						
	70				6811	169	7169						
	71				6812	170	7170						
	72				6813	171	7171						

Shaded lines indicate possible operator positions.

* Use Form 2b for adjuncts connected via MFM or ISDN 7500B Data Module.

♦ Factory Setting

System Form 2a

System Numbering - Station Jacks

Mod. Type	Log. ID	Jack Type		Eqpt.	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	AUDIX Voice Power™
		A	B										
	73				6814	172	7172						
	74				6815	173	7173						
	75				6816	174	7174						
	76				6817	175	7175						
	77				6818	176	7176						
	78				6819	177	7177						
	79				6820	178	7178						
	80				6821	179	7179						
	81				6822	180	7180						
	82				6823	181	7181						
	83				6824	182	7182						
	84				6825	183	7183						
	85				6826	184	7184						
	86				6827	185	7185						
	87				6828	186	7186						
	88				6829	187	7187						
	89				6830	188	7188						
	90				6831	189	7189						
	91				6832	190	7190						
	92				6833	191	7191						
	93				6834	192	7192						
	94				6835	193	7193						
	95				6836	194	7194						
	96				6837	195	7195						

Shaded lines indicate possible operator positions.
 ♦ Use Form 2b for adjuncts connected via MFM or ISDN 7500B Data Module.
 † Factory Setting

System Numbering - Station Jacks

Mod. Type	Log. ID	Jack Type		Eqpt.	2-Dig. Ext. No. ♦	3-Dig. Ext. No.	Set Up Space	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	AUDIX Voice Power™
		A	D* B										
	97				6838	196	7196						
	98				6839	197	7197						
	99				6840	198	7198						
	100				6841	199	7199						
	101				6842	200	7200						
	102				6843	201	7201						
	103				6844	202	7202						
	104				6845	203	7203						
	105				6846	204	7204						
	106				6847	205	7205						
	107				6848	206	7206						
	108				6849	207	7207						
	109				6850	208	7208						
	110				6851	209	7209						
	111				6852	210	7210						
	112				6853	211	7211						
	113				6854	212	7212						
	114				6855	213	7213						
	115				6856	214	7214						
	116				6857	215	7215						
	117				6858	216	7216						
	118				6859	217	7217						
	119				6860	218	7218						
	120				6861	219	7219						

Shaded lines indicate possible operator positions.

* Use Form 2b for adjuncts connected via MFEM or ISDN 7500B Data Module.

♦ Factory Setting

System Form 2a (Continued)

System Numbering - Station Jacks

Mod. Type	Log. ID	Jack Type		Eqpt.	2-Dig Ext. No. *	3-Dig. Ext. No.	Set Up Space	Renumbr to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	AUDIX Voice Power™
		A	B										
	121				6862	220	7220						
	122				6863	221	7221						
	123				6864	222	7222						
	124				6865	223	7223						
	125				6866	224	7224						
	126				6867	225	7225						
	127				6868	226	7226						
	128				6869	227	7227						
	129				6870	228	7228						
	130				6871	229	7229						
	131				6872	230	7230						
	132				6873	231	7231						
	133				6874	232	7232						
	134				6875	233	7233						
	135				6876	234	7234						
	136				6877	235	7235						
	137				6878	236	7236						
	138				6879	237	7237						
	139				6880	238	7238						
	140				6881	239	7239						
	141				6882	240	7240						
	142				6883	241	7241						
	143				6884	242	7242						
	144				6885	243	7243						

Shaded lines indicate possible operator positions.
 * Use Form 2b for adjuncts connected via MFM or ISDN 7500B Data Module.
 † Factory Setting

System Numbering - Digital Adjuncts

Logical ID	Factory-Set Extension No.	Renumber to	MFM		7500B	MLX Telephone Ext. No.	Person, Location, Function, and Equipment Type
			SAA	T/R			

System Form 2c

System Numbering - Trunk Jacks

Music-on-Hold, Trunk No. _____ Source _____

Maintenance Alarm, Trunk No. _____

Loudspeaker Page, Trunk No(s). _____

Loop-Start Reliable Disconnect* No Yes

Module Type and Slot No.	Jack Type (LS, GS, DID, Tie, etc.)	Trunk No.	Pool Dial-Out Code†	Re-number To	Incoming Trunk Type (Main No., Personal Line, WATS, FX, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Queue Priority Level† (4 ⇄)	QCC Operator to Receive Calls† (No ⇄)	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 Form 2c (Continued)

System Numbering - Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Trunk No.	Pool Dial-Out Code†	Re-number To	Incoming Trunk Type (Main No., Personal Line, WATS, FX, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Queue Priority Level† (4 ⇄)	QCC Operator to Receive Calls† (No ⇄)	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 Form 2c (Continued)

System Numbering - Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Trunk No.	Pool Dial-Out Code††	Re-number To	Incoming Trunk Type (Main No., Personal Line, WATS, FX, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Queue Priority Level‡ (4 ⇄)	QCC Operator to Receive Calls† (No ⇄)	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 –Trunk Jacks

Module Type and Slot No.	Log. ID	Jack Type (LS, GS, DID, Tie, etc.)	Trunk No.	Pool Dial-Out Code††	Re-number To	Incoming Trunk Type (Main No., Personal Line, WATS, FX, etc.)	Telephone Number or Equipment	Label	Outmode Signaling		Toll Type Prefix Req'd for LD		Hold Disc. Interval		QCC Queue Priority Level‡ (4 ♦)	QCC Operator to Receive Callst (No ♦)	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														

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

♦ Factory Setting
 † Hybrid/PBX mode

System Form 2d

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 6c) Group ID	Factory-Set Number	Renumber to
	793	
	794	
	795	
	796	
	797	
	798	
	799	

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

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

Group Calling (Form 6e) 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
	800	

* Hybrid/PBXmode only

** Reserved for AUDIX Voice Power/FAXAttendant System

System Form 3a

Incoming Trunks – Remote Access

DID and Tie Trunks

- Remote Access Code: 889
- Renumber to _____

Automatic Callback

- Enable
- Disable ♦

Barrier Codes for DID or Tie Trunks

- Yes
- No

Barrier Codes for Non-Tie Trunks

- Yes
- No

Logical ID	Trunk No.	DID or Tie Trunk	Non-Tie Trunk	Trunk Type and Description	Dedicated	Shared

♦ Factory Setting

Class of Restriction without Barrier Codes

DID* and Tie Trunks

Restriction

- Unrestricted
- Outward Restrict ◆
- Toll Restrict

ARS Restriction Level*

- 0 4
- 1 5
- 2 6
- 3 ◆

Allowed List Access

- List Numbers (0 - 7)

____ _
____ _

Disallowed List Access

- List Numbers (0 - 7)

____ _
____ _

Non-TieTrunks

Restriction

- Unrestricted
- Outward Restrict ◆
- Toll Restrict

ARS Restriction Level*

- 0 4
- 1 5
- 2 6
- 3 ◆

Allowed List Access

- List Numbers (0 - 7)

____ _
____ _

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.)

Barrier Code
Number _____
Digits _____ (4 digits, 0 - 9)

Restriction
 Unrestricted
 Outward Restrict ◆
 Toll Restrict

ARS Restriction Level *
 0 4
 1 5
 2 6
 3 ◆

Allowed List Access
 List Numbers (0 - 7)

Disallowed List Access
 List Numbers (0 - 7)

Barrier Code
Number _____
Digits _____ (4 digits, 0 - 9)

Restriction
 Unrestricted
 Outward Restrict ◆
 Toll Restrict

ARS Restriction Level *
 0 4
 1 5
 2 6
 3 ◆

Allowed List Access
 List Numbers (0 - 7)

Disallowed List Access
 List Numbers (0 - 7)

Barrier Code
Number _____
Digits _____ (4 digits, 0 - 9)

Restriction
 Unrestricted
 Outward Restrict ◆
 Toll Restrict

ARS Restriction Level *
 0 4
 1 5
 2 6
 3 ◆

Allowed List Access
 List Numbers (0 - 7)

Disallowed List Access
 List Numbers (0 - 7)

Barrier Code
Number _____
Digits _____ (4 digits, 0 - 9)

Restriction
 Unrestricted
 Outward Restrict ◆
 Toll Restrict

ARS Restriction Level *
 0 4
 1 5
 2 6
 3 ◆

Allowed List Access
 List Numbers (0 - 7)

Disallowed List Access
 List Numbers (0 - 7)

◆ Factory Setting
* Hybrid/PBX mode only

Incoming Trunks – DS1 Connectivity (100D 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="2">For TIE/All TIE</th> </tr> <tr> <th>TIE-PBX</th> <th>Toll</th> </tr> </thead> <tbody> <tr><td>Ground Start</td><td></td><td></td><td></td></tr> <tr><td>Loop Start</td><td></td><td></td><td></td></tr> <tr><td>TIE</td><td></td><td></td><td></td></tr> <tr><td>Unequipped</td><td></td><td></td><td></td></tr> <tr><td>All Ground Start</td><td></td><td></td><td></td></tr> <tr><td>All Loop Start</td><td></td><td></td><td></td></tr> <tr><td>All TIE</td><td></td><td></td><td></td></tr> <tr><td>All Unequipped</td><td></td><td></td><td></td></tr> <tr><td>DID</td><td></td><td></td><td></td></tr> <tr><td>All DID</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Frame Format</p> <input type="checkbox"/> D4 Compatible ♦ <input type="checkbox"/> Extended Super Frame (ESF)	Trunk Type	Channel Number(s)	For TIE/All TIE		TIE-PBX	Toll	Ground Start				Loop Start				TIE				Unequipped				All Ground Start				All Loop Start				All TIE				All Unequipped				DID				All DID				<p>Suppression (Line Code)</p> <input type="checkbox"/> AMI-ZCS ♦ <input type="checkbox"/> B8ZS <p>Signaling Mode</p> <input type="checkbox"/> Robbed Bit Signaling (RBS) ♦ <input type="checkbox"/> Common Channel Signaling (CCS) <p>Line Compensation</p> <p align="center">_____ Cable Feet</p> <input type="checkbox"/> 1 ♦ (.6 dB) <input type="checkbox"/> 2(1.2dB) <input type="checkbox"/> 3(1.8dB) <input type="checkbox"/> 4 (2.4 dB) <input type="checkbox"/> 5 (3.0 dB)	<p>Clock Synchronization</p> <p><u>Priority</u></p> <input type="checkbox"/> Primary ♦ <input type="checkbox"/> Secondary <input type="checkbox"/> Tertiary <input type="checkbox"/> None <p><u>Source</u></p> <input type="checkbox"/> Loop ♦ <input type="checkbox"/> Local <p><u>Activation</u></p> <input type="checkbox"/> Active ♦ <input type="checkbox"/> Not Active <p>Channel Service Unit</p> <input type="checkbox"/> Foreign Exchange ♦ <input type="checkbox"/> Special Access
Trunk Type			Channel Number(s)	For TIE/All TIE																																												
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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="2">For TIE/All TIE</th> </tr> <tr> <th>TIE-PBX</th> <th>Toll</th> </tr> </thead> <tbody> <tr><td>Ground Start</td><td></td><td></td><td></td></tr> <tr><td>Loop Start</td><td></td><td></td><td></td></tr> <tr><td>TIE</td><td></td><td></td><td></td></tr> <tr><td>Unequipped</td><td></td><td></td><td></td></tr> <tr><td>All Ground Start</td><td></td><td></td><td></td></tr> <tr><td>All Loop Start</td><td></td><td></td><td></td></tr> <tr><td>All TIE</td><td></td><td></td><td></td></tr> <tr><td>All Unequipped</td><td></td><td></td><td></td></tr> <tr><td>DID</td><td></td><td></td><td></td></tr> <tr><td>All DID</td><td></td><td></td><td></td></tr> </tbody> </table> <p>Frame Format</p> <input type="checkbox"/> D4 Compatible ♦ <input type="checkbox"/> Extended Super Frame (ESF)	Trunk Type	Channel Number(s)	For TIE/All TIE		TIE-PBX	Toll	Ground Start				Loop Start				TIE				Unequipped				All Ground Start				All Loop Start				All TIE				All Unequipped				DID				All DID				<p>Suppression (Line Code)</p> <input type="checkbox"/> AMI-ZCS ♦ <input type="checkbox"/> B8ZS <p>Signaling Mode</p> <input type="checkbox"/> Robbed Bit Signaling (RBS) ♦ <input type="checkbox"/> Common Channel Signaling (CCS) <p>Line Compensation</p> <p align="center">_____ Cable Feet</p> <input type="checkbox"/> 1 ♦ (.6 dB) <input type="checkbox"/> 2(1.2dB) <input type="checkbox"/> 3(1.8dB) <input type="checkbox"/> 4 (2.4 dB) <input type="checkbox"/> 5 (3.0 dB)	<p>Clock Synchronization</p> <p><u>Priority</u></p> <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Tertiary <input type="checkbox"/> None <p><u>Source</u></p> <input type="checkbox"/> Loop ♦ <input type="checkbox"/> Local <p><u>Activation</u></p> <input type="checkbox"/> Active ♦ <input type="checkbox"/> Not Active <p>Channel Service Unit</p> <input type="checkbox"/> Foreign Exchange ♦ <input type="checkbox"/> Special Access
Trunk Type			Channel Number(s)	For TIE/All TIE																																												
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DID																																																
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♦ 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.

Module 3 Slot No. _____

Type of Service <input type="checkbox"/> T1 ♦ * <input type="checkbox"/> PRI**				Suppression (Line Code) <input type="checkbox"/> CI AMI-ZCS ♦ <input type="checkbox"/> B8ZS		Clock Synchronization <u>Priority</u> <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Tertiary <input type="checkbox"/> None	
T1 Trunks				Signaling Mode <input type="checkbox"/> Robbed Bit Signaling (RBS) ♦ <input type="checkbox"/> Common Channel Signaling (CCS)		<u>Source</u> <input type="checkbox"/> Loop ♦ <input type="checkbox"/> Local	
		For TIE/All TIE		Line Compensation Cable Feet		<u>Activation</u> <input type="checkbox"/> Active ♦ <input type="checkbox"/> Not Active	
Trunk Type	Channel Number(s)	TIE-PBX	Toll	<input type="checkbox"/> 1 ♦ (.6 dB)			
Ground Start				<input type="checkbox"/> 2 (1.2dB)			
Loop Start				<input type="checkbox"/> 3 (1.8dB)			
TIE				<input type="checkbox"/> 4 (2.4 dB)			
Unequipped				<input type="checkbox"/> 5 (3.0 dB)			
All Ground Start							
All Loop Start							
All TIE							
All Unequipped							
DID							
All DID							
					Channel Service Unit <input type="checkbox"/> Foreign Exchange ♦ <input type="checkbox"/> Special Access		

♦ 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.

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

Other: Call-by-Call, Other.

** Hybrid/PBX mode only.

† If you select Dial Plan Routing, complete "Dial Plan Routing" information on page 3b-5.

‡ If you select Line Appearance, complete "Line Appearance Routing" information on page 3b-6.

MERLIN LEGEND Communications System Release 2.0
System Form 3b (Continued)

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

Other: All services, Other, No service.

† 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	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).

MERLIN LEGEND Communications System Release 2.0
System Form 3b (Continued)

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, ACCUNET® SDS, Software Defined Network (SDN), Long Distance.

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

Other: Other, No service.

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	10 seconds	(2 - 10 seconds)
T313 Timer	4 seconds	(4 - 12 seconds)
T316 Timer	120 seconds	(3 - 120 seconds)

Terminal Equipment Identifier (TEI)

- 0 ◆
- ____ (1 - 63)

◆ *Factory Setting*

Incoming Trunks – DID*

(Make copies for each block.)

Block Number (1 or 2) _____

Type

- Immediate-start
- Wink-start ♦

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)

Signaling

- Rotary ♦
- Touch-tone

Invalid Destination

- Send to backup position ♦
- Return to fast busy

Trunks Included In Block

Logical ID	Trunk Number	Telephone Number	Disconnect Time	
			500 ms ♦	Other

♦ Factory Setting
 * Hybrid/PBX mode only

Incoming Trunks – DID*

Logical ID	Trunk Number	Telephone Number	Disconnect Time	
			500 ms ♦	Other

Logical ID	Trunk Number	Telephone Number	Disconnect Time	
			500 ms ♦	Other

♦ Factory Setting
 * Hybrid/PBX mode only.

Extension Copy --- Multiline Telephone Template

(Make a copy of this form for each Master Extension.)

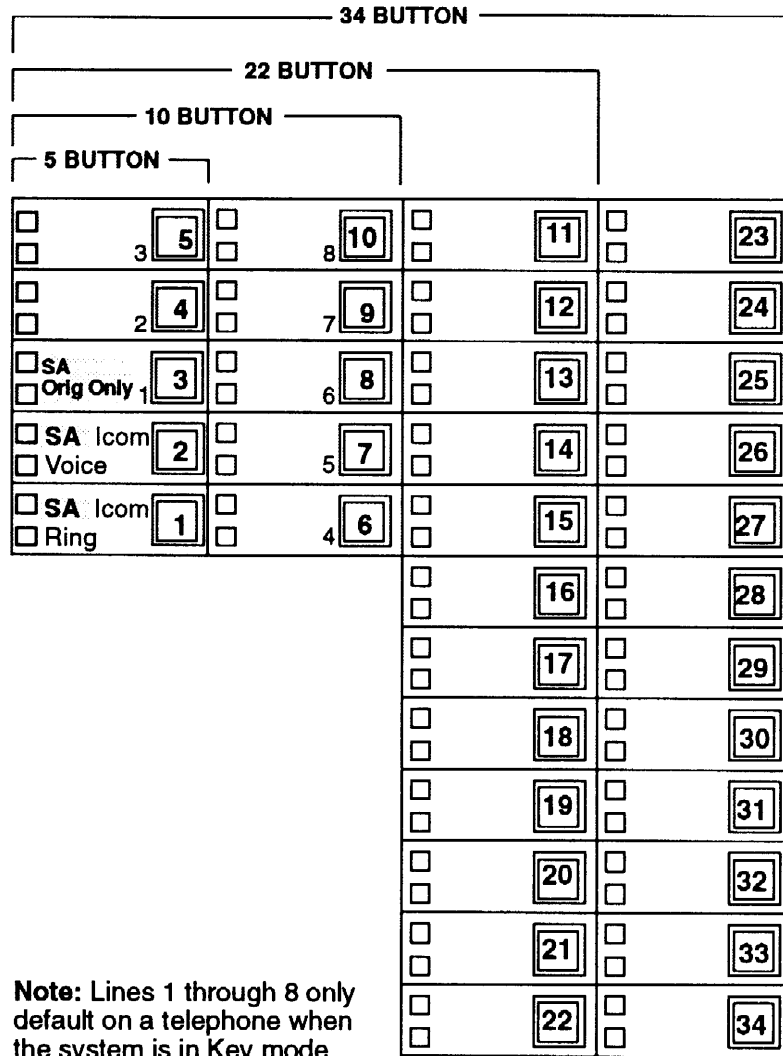
Master Extension (Template Extension).

Master Ext. No.	Person/Location

Extensions Copied to

System Form 4a (Continued)

Button Diagram



System Form 4b

Analog Multiline Telephone

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

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Station Jack Pair

Voice Announce to Busy (voice/voice)

Simultaneous Voice and Data
(voice/data)

Even-numbered jack

Logical ID _____ Ext. No. _____

Telephone Model

MLC-5 BIS-22D

BIS-10 BIS-34

BIS 22 BIS-34D

Other _____

Adjuncts

General Purpose Adapter

FAX machine

Answering machine

Data terminal

Other _____

Supplemental Alert Adapter

Alert device type _____

Headset

Headset adapter

Hands-free unit

Hearing-impaired handset

Noisy environment

Off Premise

Other _____

Assigned Features

Pool Dial-Out Code Restriction*

Unrestricted from following codes**

Restricted from following codes†

Call Restriction

Unrestricted ♦

Outward Restrict

Toll Restrict

Allowed List(s)

Disallowed List(s)

ARS Restriction Level*

3 ♦

____ (0 - 6)

Personal Lines

Principal User of Personal Line

Trunk No. (801-880) _____

Tel. No. _____

Shared Extension No. _____

Ring

No Ring

Auto Line Selection

Language

English ♦

French

Spanish

♦ Factory Setting

* Hybrid/PBX mode only.

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

Optional Features

Abbreviated Ring

- Off ♦
- On

Auto Callback

- Off ♦
- On

AUDIX Voice Power Subscriber

- Yes, Auto Dial button # _____
- No

Call Pickup Group

- No
- Yes, Group No. _____

Call Waiting

- Off ♦
- On

Forced Account Code Entry

- No ♦
- Yes

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ♦
- Allowed

Voice-Announced Calls

- On ♦
- Off

Individual Coverage Receivers

Primary receivers

Secondary receivers

Group Coverage

- No ♦
- Yes, Group No. _____

Coverage Inside

- Off ♦
- On

Coverage VMS

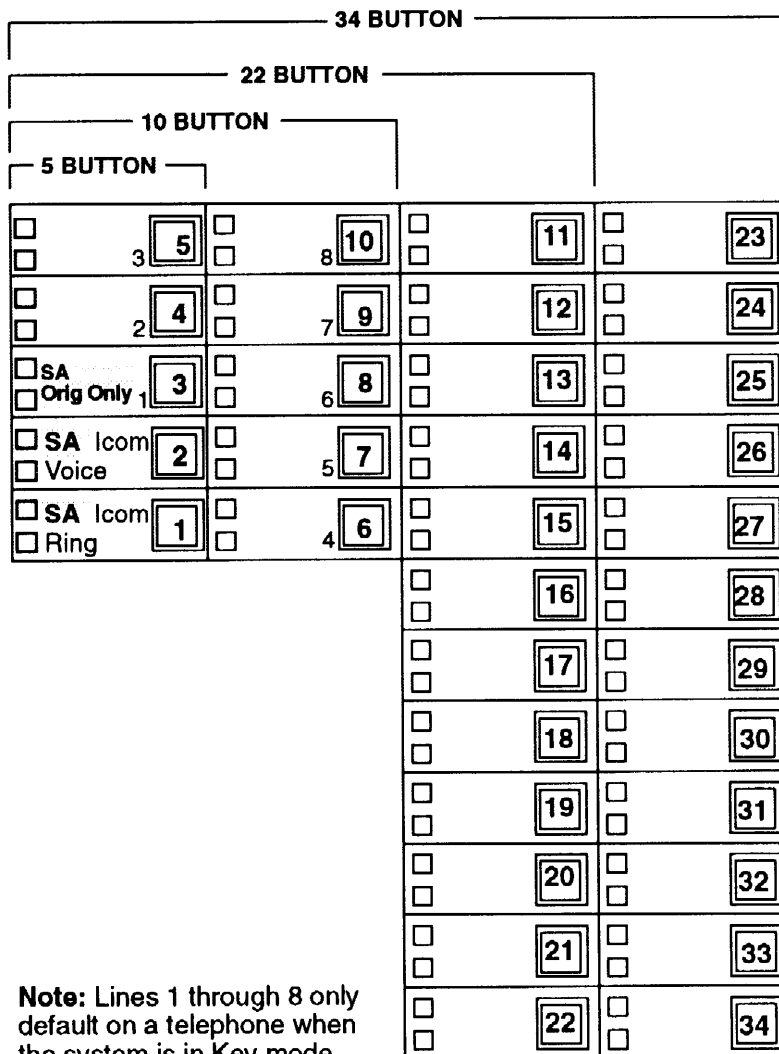
- Off ♦
- No

♦ Factory Setting

System Form 4b (Continued)

Button Diagram

See Master Extension



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

Extension Copy — MLX Telephone Template

(Make a copy of this form for each Master Extension.)

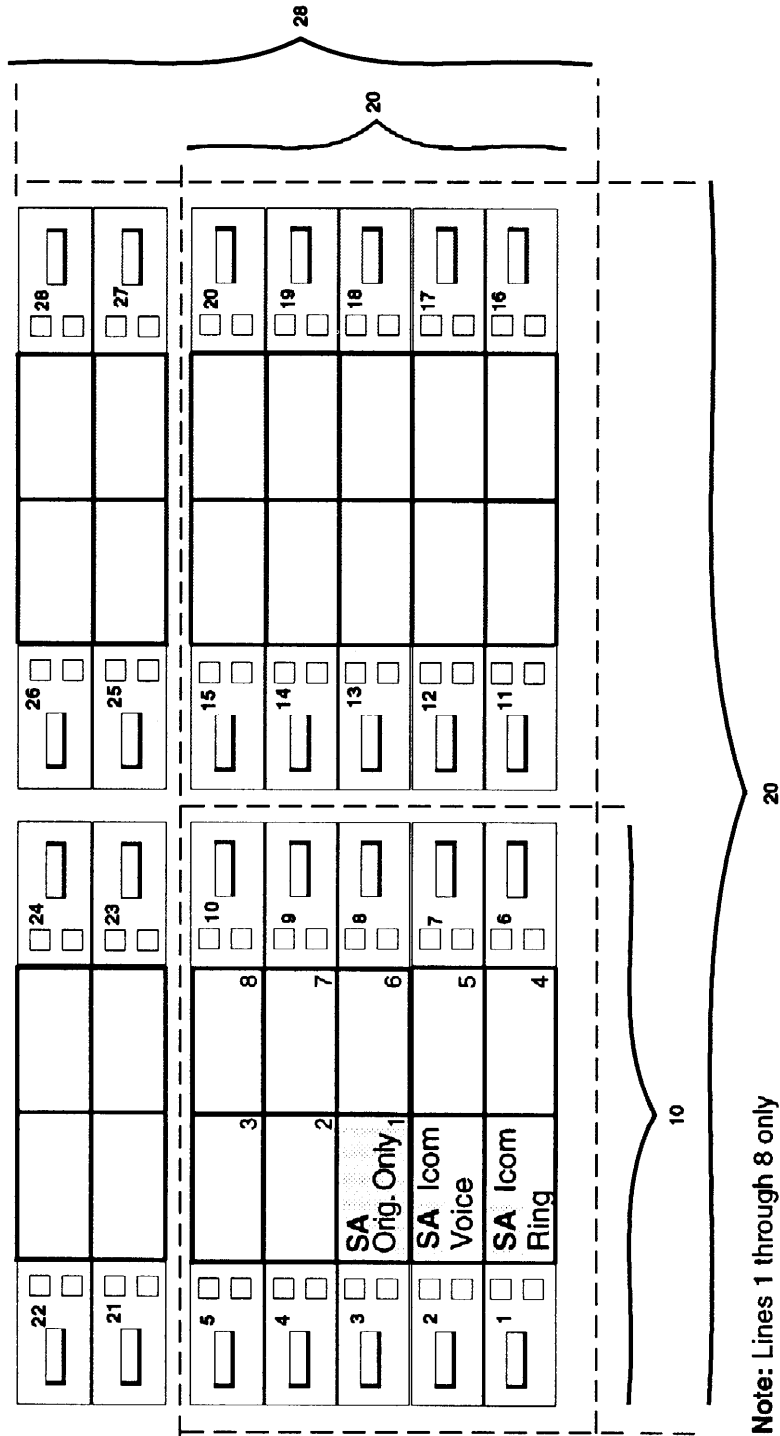
Master Extension (Template Extension)

Master Ext. No.	Person/Location

Extensions Copied to

System Form 4c (Continued)

Button Diagram



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

System Form 4d

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 (MLX-10 and MLX-10D only)

Telephone Model

- MLX-20L™
- MLX-28D™
- MLX-10D™
- MLX-10™

Adjuncts

- Headset
- Hearing-impaired handset
- Noisy environment
- Multi-Function Module (MFM) Ext. _____
 - FAX machine
 - Answering machine
 - Data terminal
 - Alert device, type _____
 - Other _____
- Off Premise

Assigned Features

Pool Dial-out Code Restriction*

- Unrestricted from following codes**

- Restricted from following codes†

Call Restriction

- Unrestricted ♦
- Outward Restrict
- Toll Restrict
- Allowed List(s)

- Disallowed List(s)

ARS Restriction Level*

- 3 ♦
- ____ (0 - 6)

Personal Lines

Principal User of Personal Line

Trunk No. (801-880) _____
Tel. No. _____

Shared Extension No. _____

- Ring
- No Ring

Auto Line Selection

Language

- English ♦
- French
- Spanish

♦ Factory Setting
 * Hybrid/PBX mode only.
 ** Factory setting is unrestricted for all codes.
 † Pool dial-out code restrictions must be programmed.

System Form 4d (Continued)

Optional Features

Abbreviated Ring

- Off ♦
- On

Auto Callback

- Off ♦
- On

AUDIX Voice Power Subscriber

- Yes, Auto Dial button # _____
- No

Call Pickup Group

- No
- Yes, Group No. _____

Call Waiting

- Off ♦
- On

Forced Account Code Entry

- No ♦
- Yes

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Microphone Operation

- Enable ♦
- Disable

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ♦
- Allowed

Voice-Announced Calls

- On ♦
- Off

Individual Coverage Receivers

Primary receivers

Secondary receivers

Group Coverage

- No ♦
- Yes, Group No. _____

Coverage Inside

- Off ♦
- On

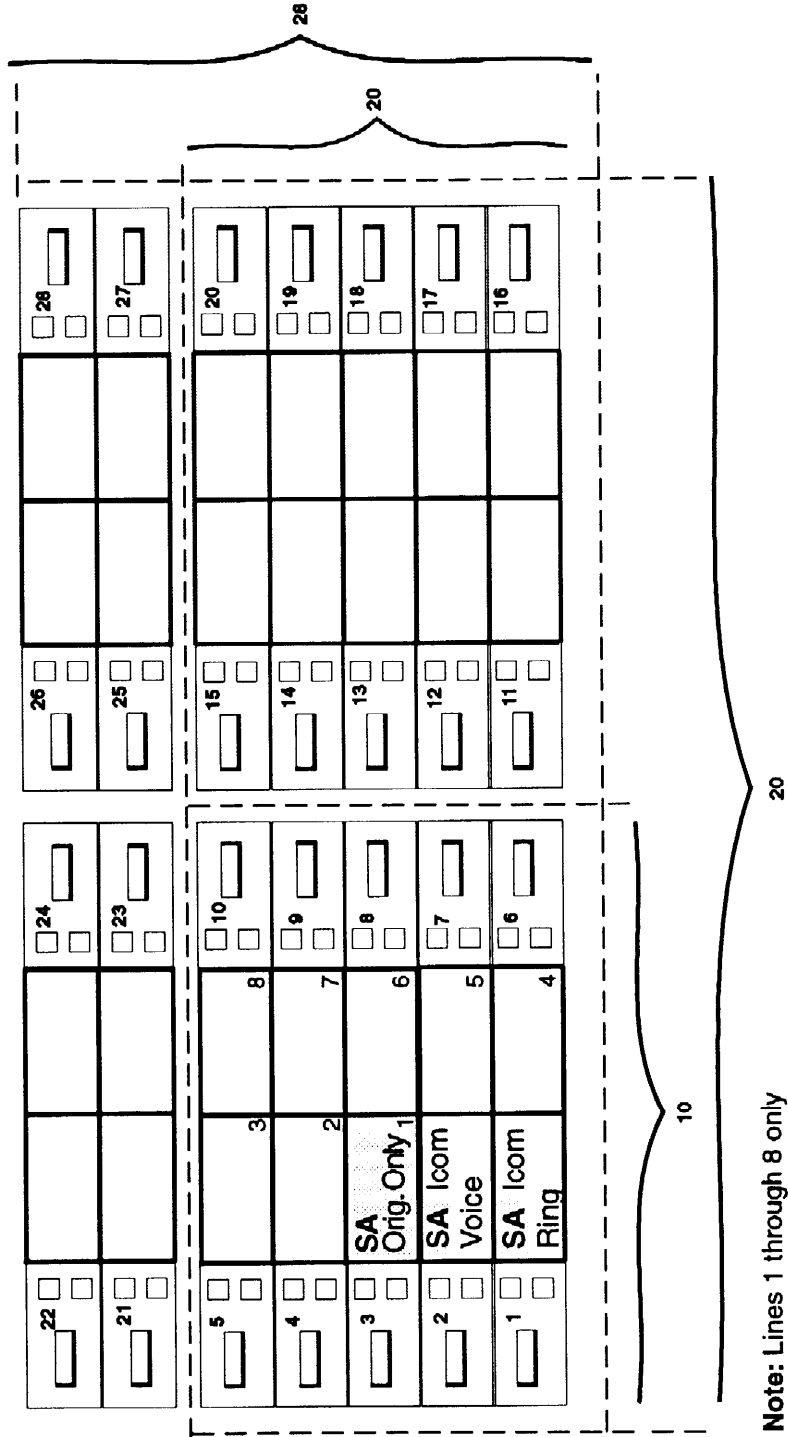
Coverage VMS

- Off ♦
- On

♦ Factory Setting

Button Diagram

See Master Extension



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

MFM Adjunct — MLX Telephone

Extension No. _____ Person or Location _____
 Connected to MLX 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 _____

Assigned Features

Pool Dial-Out Code Restriction*

- Unrestricted from following codes**

- Restricted from following Codes†

Call Restriction

- Unrestricted ◆
- Outward Restrict
- Toll Restrict
- Allowed List(s)

- Disallowed List(s)

ARS Restriction Level*

- 3 ◆
- ____ (0-6)

Button Diagram

- Copied from Master Extension No.

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

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

Principal User of Personal Line

Trunk No. (801-880) _____
 Tel. No. _____

Auto Line Selection

◆ Factory Setting
 * Hybrid/PBXmode only
 ** Factory setting is unrestricted for all codes.
 † Pool dial-out code restrictions must be programmed.

Optional Features

AUDIX Voice Power Subscriber

- Yes, Auto Dial button # _____
- No

Auto Callback

- Off ◆
- On

Call Pickup Group

- No
- Yes, Group No. _____

Call Waiting

- Off ◆
- On

Forced Account Code Entry

- No ◆
- Yes

FAX Machine Features

FAX Machine Receiver

- No ◆

Extension No. _____

FAX Message Threshold

- 10 seconds ◆
- ____seconds (0 - 30)

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ◆
- Allowed

Coverage

Individual Coverage Receivers

Primary receivers

Secondary receivers

Coverage Inside

- Off ◆
- On

◆ Factory Setting

System Form 4f

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
- Other _____

ARS Restriction Level*

- 3 ♦
- ____ (0 - 6)

Principal User of Personal Line

Trunk No. (801 - 880)
Tel. No. _____

Auto Line Selection

Adjuncts

- Speakerphone
- Hearing-impaired handset
- Noisy environment
- Off Premise

Assigned Features

Pool Dial-Out Code Restriction*

- Unrestricted from following codes**

- Restricted from following codes†

Call Restriction

- Unrestricted ♦
- Outward Restrict
- Toll Restrict
- Allowed List(s)

- Disallowed List(s)

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

♦ Factory Setting

* Hybrid/PBX mode only

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

Optional Features

AUDIX Voice Power Subscriber

- Yes, Auto Dial button #_____
- No

Auto Callback

- Off ♦
- On

Call Pickup Group

- No
- Yes, Group No. _____

Call Waiting

- Off ♦
- On

Forced Account Code Entry

- No ♦
- Yes

FAX Machine Features

FAX Machine Receiver

- No ♦
- Extension No. _____

FAX Message Threshold

- 10 seconds ♦
- _____seconds (0 - 30)

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ♦
- Allowed

Coverage

Individual Coverage Receivers

Primary receivers

Secondary receivers

Coverage Inside

- Off ♦
- On

♦ Factory Setting

Direct-Line Console (DLC) – Analog

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

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Station Jack Pair

- Voice Announce to Busy (voice/voice)
- Simultaneous Voice and Data (voice/data)

Even-numbered jack

Logical ID _____ Ext. No. _____

Console Model

- MERLIN II System Display Console
- BIS-34D
- BIS-34
- BIS-22

Adjuncts

- General Purpose Adapter
 - FAX machine
 - Answering machine
 - Data terminal
 - Other _____
- Supplemental Station Alert Adapter
Alert Device type _____
- Headset
- Headset adapter
- Hearing-impaired handset
- Noisy environment
- Other _____

Assigned Features

Pool Dial-Out Code Restriction*

- Unrestricted from following codes**

- Restricted from following codes†

Call Restriction

- Unrestricted ♦
- Outward Restrict
- Toll Restrict
- Allowed List(s)

- Disallowed List(s)

ARS Restriction Level*

- 3 ♦
- ____ (0 - 6)

Personal Lines

Principal User of Personal Line

Trunk No. (801-880) _____

Tel. No. _____

Auto Line Selection

Language

- English ♦
- French
- Spanish

♦ Factory Setting

* Hybrid/PBX mode only

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

Optional Features

Abbreviated Ring

- Off ♦
- On

Auto Callback

- Off ♦
- On

AUDIX Voice Power Subscriber

- Yes, Auto Dial button # _____
- No

Call Pickup

- No ♦
- Yes, Group No. _____

Call Waiting

- Off ♦
- On

Calling Group

- No
- Yes, Group No. _____

Forced Account Code Entry

- No ♦
- Yes

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ♦
- Allowed

Voice-Announced Calls

- On ♦
- Off

Coverage

Individual Coverage Receivers

Primary receivers

Secondary receivers

Group Coverage

- No ♦
- Yes, Group No. _____

Coverage Inside

- Off ♦
- On

Coverage VMS

- Off ♦
- On

Extension Status

- No ♦
- Yes

♦ Factory Setting

Direct-Line Console (DLC) – Digital

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

Logical ID _____ Extension No. _____ Person or Location _____

Copied from Master Ext. No. _____

Console Model

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

Assigned Features

Pool Dial-Out Code Restriction*

Unrestricted from following codes**

Restricted from following codes†

Call Restriction

Unrestricted ◆

Outward Restrict

Toll Restrict

Allowed List(s)

Disallowed List(s)

ARS Restriction Level*

3 ◆

_____ (0 - 6)

Personal Lines

Principal User of Personal Line

Trunk No. (801 - 880) _____

Tel. No. _____

Auto Line Selection

Language

English ◆

French

Spanish

Optional Features

Abbreviated Ring

Off ◆

On

Auto Callback

Off ◆

On

AUDIX Voice Power Subscriber

Yes, Auto Dial button # _____

No

Call Pickup Group

No

Yes, Group No. _____

Call Waiting

Off ◆

On

◆ Factory Setting

* Hybrid/PBX mode only.

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

Forced Account Code Entry

- No ♦
- Yes

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Microphone Operation

- Enable ♦
- Disable

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ♦
- Allowed

Voice-Announced Calls

- On ♦
- Off

Coverage

Individual Coverage Receivers

Primary receivers

Secondary receivers

Group Coverage

- No ♦
- Yes, Group No. _____

Coverage Inside

- Off ♦
- On

Coverage VMS

- Off ♦
- On

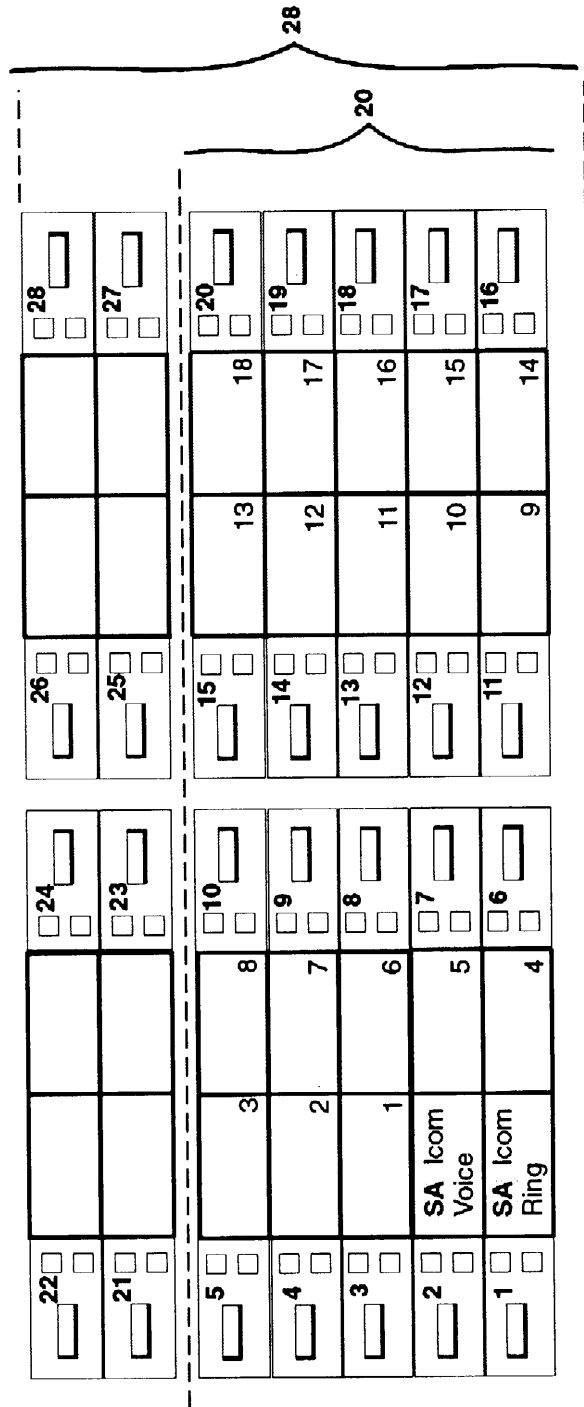
Extension Status

- No ♦
- Yes

♦ Factory Setting

Button Diagram

See Master Extension



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

System Form 5c

MFM Adjunct – DLC

Extension No. _____ Person or Location _____

Connected to MLX 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 _____

Assigned Features

Pool Dial-Out Code Restriction*

- Unrestricted from following codes**

- Restricted from following codes†

Call Restriction

- Unrestricted ◆
- Outward Restrict
- Toll Restrict
- Allowed List(s)

- Disallowed List(s)

ARS Restriction Level*

- 3 ◆
- ____ (0 - 6)

Button Diagram

- Copied from Master Extension No.

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

Principal User of Personal Line

Trunk No. (801 - 880) _____

Tel. No. _____

Auto Line Selection

◆ Factory Setting
 * Hybrid/PBX mode only
 ** Factory setting is unrestricted for all codes.
 † Pool dial-out code restrictions must be programmed.

Optional Features

AUDIX Voice Power Subscriber

- Yes, Auto Dial button # _____
- No

Auto Callback

- Off ◆
- On

Call Pickup Group

- No
- Yes, Group No. _____

Call Waiting

- Off ◆
- On

Forced Account Code Entry

- No ◆
- Yes

FAX Machine Features

FAX Machine Receiver

- No ◆
- Extension No. _____

FAX Message Threshold

- 10 seconds ◆
- ____ seconds (0 - 30)

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

Remote Call Forward

- Not allowed ◆
- Allowed

Coverage

Individual Coverage Receivers

Primary receivers

____ _

____ _

Secondary receivers

Coverage inside

- Off ◆
- On

◆ Factory Setting

Queued Call Console (QCC)*

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

Logical ID _____ Extension No. _____ Person or Location _____

Adjuncts

- Direct station selector
- Number (1 or 2) _____
- Headset
- Hearing-impaired handset
- Noisy environment

Message Center Operator

- No
- Yes

Assigned Features

Pool Dial-Out Code Restriction

- Unrestricted from following codes**

____ _ ____ _ ____ _ ____ _
____ _ ____ _ ____ _ ____ _

- Restricted from following codes†

____ _ ____ _ ____ _ ____ _
____ _ ____ _ ____ _ ____ _

Call Restriction

- Unrestricted ◆
- Outward Restrict
- Toll Restrict
- Allowed List(s)

____ _ ____ _ ____ _ ____ _
____ _ ____ _ ____ _ ____ _

- Disallowed List(s)

Language‡

- English ◆
- French
- Spanish

Optional Features

Call Pickup Group

- No
- Yes, Group No. _____

Forced Account Code Entry

- No ◆
- Yes

Message-Waiting Receiver

- FAX machine at
Extension No. _____

Page Group

- No
- Yes, Group No. _____

◆ Factory Setting

* Hybrid/PBX mode only.

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

‡ Language selection is set through system programming.

Button Diagram

<input type="checkbox"/> 5 <input type="checkbox"/> <input type="checkbox"/>	G CALL 5	H POSITION BUSY	<input type="checkbox"/> 10 <input type="checkbox"/> <input type="checkbox"/>	I ALARM	J FORCED RELEASE	<input type="checkbox"/> 20 <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 4 <input type="checkbox"/> <input type="checkbox"/>	K CALL 4	L SEND/REMOVE MSG	<input type="checkbox"/> 9 <input type="checkbox"/> <input type="checkbox"/>	M NIGHT SERVICE	N POOL STATUS	<input type="checkbox"/> 19 <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 3 <input type="checkbox"/> <input type="checkbox"/>	O CALL 3	P HEADSET MUTE	<input type="checkbox"/> 8 <input type="checkbox"/> <input type="checkbox"/>	Q HEADSET STATUS	R HEADSET AUTO ANSWER	<input type="checkbox"/> 18 <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 2 <input type="checkbox"/> <input type="checkbox"/>	S CALL 2	T SOURCE	<input type="checkbox"/> 7 <input type="checkbox"/> <input type="checkbox"/>	U DESTINATION	V JOIN	<input type="checkbox"/> 17 <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1 <input type="checkbox"/> <input type="checkbox"/>	W CALL 1	X START	<input type="checkbox"/> 6 <input type="checkbox"/> <input type="checkbox"/>	Y RELEASE	Z CANCEL	<input type="checkbox"/> 16 <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 15 <input type="checkbox"/> <input type="checkbox"/>			<input type="checkbox"/> 14 <input type="checkbox"/> <input type="checkbox"/>			
<input type="checkbox"/> 13 <input type="checkbox"/> <input type="checkbox"/>			<input type="checkbox"/> 12 <input type="checkbox"/> <input type="checkbox"/>			
<input type="checkbox"/> 11 <input type="checkbox"/> <input type="checkbox"/>						

System Form 6a

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

Automatic Hold or Release

- Automatic Release ♦
- Automatic Hold

Queue Over Threshold

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

Elevate Priority

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

Calls-in-Queue Alert

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

Message Center

- No
- Yes, Operator Extension No. _____

Extended Call Completion

- Automatic completion ♦
- Manual completion

Return Ring

- 4 rings ♦
- ____ rings(1 - 15)

Position Busy Backup

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

Operator Hold Timer

- 60 seconds ♦
- ____ seconds (10 - 255)

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

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

System Form 6b

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		

MERLIN LEGEND Communications System Release 2.0
System Form 6b (Continued)

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

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		

System Form 6c (Continued)

Group Paging

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 Coverage

Maximum: 32 groups. Make additional copies if more than 8 groups are assigned.

Coverage Delay Interval

- 3 rings ◆
- ____ rings (1 - 9)*

Delayed Ring Interval

- 2 rings ◆
- ____ rings (1 - 6)*

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	

↓ ↓ ↓ ↓

Receivers† Receivers† Receivers† Receivers†

<input type="checkbox"/> Calling Group
o r

<input type="checkbox"/> Calling Group
o r

<input type="checkbox"/> Calling Group
o r

<input type="checkbox"/> Calling Group
o r

<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

◆ Factory Setting for both MERLIN LEGEND Communications System and for AUDIX Voice Power/FAX Attendant System.
 * If the system has AUDIX Voice Power/FAX Attendant System, it will automatically set intervals to its defaults. If you choose to change them, record the setting here and on the AUDIX Voice Power/FAX Attendant System forms. The settings must be changed using Integrated Administration.
 **If a group is the coverage group for AUDIX Voice Power/FAX Attendant System (the default is Group No. 30 but can be changed), write "AUDIX/FA" by the group number and list the extensions of AUDIX Voice Power/FM Attendant System subscribers (see Form 2a).
 † A maximum of 8 multiline telephones can be used as receivers. The QCC queue can also be a receiver for Hybrid/PBX mode only, but it is not counted in the 8 receiver maximum. If a calling group is the receiver, it must be the only receiver for a coverage group. If the system has AUDIX Voice Power/FAX Attendant System, you do not need to fill in receivers here.
 ‡ HybridPBX mode only.

MERLIN LEGEND Communications System Release 2.0
System Form 6d (Continued)

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	

Group No.**	
Senders	
Extension Nos.	



Receivers†



Receivers†



Receivers†



Receivers†

<input type="checkbox"/> Calling Group
or
<input type="checkbox"/> QCC queue
1
2
3
4
5
6
7
8

<input type="checkbox"/> Calling Group
or
<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

<input type="checkbox"/> Calling Group
or
<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

<input type="checkbox"/> Calling Group
or
<input type="checkbox"/> QCC queue‡
1
2
3
4
5
6
7
8

**If a group is the coverage group for AUDIX Voice Power/FAX Attendant System (the default is Group No. 30 but can be changed), write "AUDIX/FA" by the group number and list the extensions of AUDiX Voice Power/FAX Attendant System subscribers (see Form 2a).

† A maximum of 8 multiline telephones can be used as receivers. The QCC queue can also be a receiver for Hybrid/PBX mode only, but it is not counted in the 8 receiver maximum. If a calling group is the receiver, it must be the only receiver for a coverage group.

‡ Hybrid/PBXmode only.

Group Calling*

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

Group Number (1-32)** _____ Group Name** _____
 Factory-Set Ext. No. _____ Renumber to _____

Extensions

	Ext. No.	Person or Location		Ext. No.	Person or Location		Ext. No.	Person or Location		Ext. No.	Person or Location
1			6			11			16		
2			7			12			17		
3			8			13			18		
4			9			14			19		
5			10			15			20		

Trunks/Pools

* Before adding to a Calling Group when programming, you must first remove trunks from the QCC.
 ** If the system has AUDIX Voice Power/FAX Attendant System, fill in only the Group Number and Group Name here, then fill in the rest of the Group Calling information on Forms B & C of the AUDIX Voice Power planning forms.

MERLIN LEGEND Communications System Release 2.0
System Form 6e (Continued)

Group Number _____

Group ID _____

Ext. No. _____

Calling Group Options*

Hunt Type

- Circular ♦
- Linear

Delay Announcement

- No ♦
- Yes, Extension No. _____

Message-Waiting Receiver

- No ♦
- Yes, Extension No. _____

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)

Group Type

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

Coverage Group Receiver

- No
- Yes, Group No. _____
(See Form 6d.)

** 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.*

System Form 6f

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

- Assign to operator positions
____ _
- Hotel
- Group Calling/CMS ◆

SMDR Options

Call Report Format

- Basic ◆
- ISDN

Call Length

- 40 seconds ◆
- ____ seconds (0-255)

Calls Reported

- Incoming and outgoing ◆
- Outgoing only

Inside Dial Tone

- Inside ◆
- Outside

Reminder Service Cancel

- No
- Yes, time of day

Calls to Unassigned Extensions

- QCC, Extension No. _____
- Primary Operator ◆
- Another extension, Extension No. _____
- Calling Group, Extension No. _____

Recall Timer

- 350 ms
- 450 ms ◆
- 650 ms
- 1 sec

Rotary

- Delay ◆
- No Delay

Note: If you use equipment that rebroadcasts music or other copyrighted material, you maybe 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 AT&T or an authorized representative.

◆ Factory Setting

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

** Hybrid/PBX mode only

System Form 6g

Allowed Lists

List 0	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 1	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 2	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 3	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Allow to Ext. Nos.

Allow to Ext. Nos.

Allow to Ext. Nos.

Allow to Ext. Nos.

List 4 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 5 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 6 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 7 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Allow to Ext. Nos.

Allow to Ext. Nos.

Allow to Ext. Nos.

Allow to Ext. Nos.

List 3 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 4 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 5 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Disallow to Ext. Nos.

Disallow to Ext. Nos.

Disallow to Ext. Nos.

List 6 _____	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

List 7 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Disallow to Ext. Nos.

Disallow to Ext. Nos.

Call Restriction Assignments and Lists

Ext No.	Copy From	Restriction Type			Allowed List No.	Disallowed List No.	ARS Restriction Levels (FRL)*
		Out	Toll	Unrest			

* Hybrid/PBX mode only.

System Form 7a (Continued)

Operator Ext. No. _____		Operator Ext. No. _____		Operator Ext. No. _____		Operator Ext. No. _____	
Ext. or Calling Group No.	User or Calling Group Name	Ext. or Calling Group No.	User or Calling Group Name	Ext. or Calling Group No.	User or Calling Group Name	Ext. or Calling Group No.	User or Calling Group Name

Night Service — Outward Restriction

Password _____ (To keep the password private, do not fill in the blank.)

Emergency Allowed List

Item No.	Telephone No. (12 digits maximum)	Item No.	Telephone No. (12 digits maximum)
0		5	
1		6	
2		7	
3		8	
4		9	

Exclusion List (Telephones not restricted during Night Service)*					
Ext. No.	Name	Ext. No.	Name	Ext. No.	Name

** All AUDIX Voice Power/FAX Attendant System ports are automatically included in the Exclusion List by Integrated Administration. However, to keep a record of these, you may choose to review Form 2a and, for all extensions listed as ports, copy the extension number to this list.*

Exclusion List (Telephones not restricted during Night Service)					
Ext. No.	Name	Ext. No.	Name	Ext. No.	Name

Night Service – Time Set

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

System Form 8a

Label Form — Posted Message

Message No.	Default Label	Revised Message (16 characters maximum)
1	DO NOT DISTURB	(Cannot be changed)
2	OUT TO LUNCH	1 1 1
3	AT HOME	1 1
4	OUT SICK	1 1
5	IN A MEETING	}
6	IN CONFERENCE	
7	WITH A CLIENT	1
8	WITH A CUSTOMER	1 1 1 1
9	AWAY FROM DESK	
10	OUT ALL DAY	f t f
11	CUSTM MSG 11	1 1 1 1
12	CUSTM MSG 12	1 1 1
13	CUSTM MSG 13	
14	CUSTM MSG 14	1 1
15	CUSTM MSG 15	
16	CUSTM MSG 16	1 1 1
17	CUSTM MSG 17	
18	CUSTM MSG 18	1 1
19	CUSTM MSG 19	1 1
20	CUSTM MSG 20	t I I

System Speed Dial

Dial Code	Label (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

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

System Speed Dial

Dial Code	Label (11 characters maximum)	Telephone Number (40 digits maximum)		Display	
		Yes	No	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

System Form 8b (Continued)

Dial Code	Label (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

System Form 8b (Continued)

System Speed Dial

	Label (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

Dial Code	Label (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

System Form 9a

Automatic Route Selection Worksheet*

Number of exchanges in the calling area _____

Trunk Pool No.	Trunk Type	Type of Dial		# of Area Codes or Exchanges for which Trunk Pool is Used
		Toll	Local	

Preferred Trunk Pools
For toll calls (Table 17) _____

For local calls (Table 18) _____

* Hybrid/PBX mode only

System Form 9b

Automatic Route Selection Tables*

Maximum: 16 Tables. (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 _____					Subpattern B Time of Day _____				
Pool	FRL (3 ◆)	Other Digits	Absorb	Call Type**	Pool	FRL (3 ◆)	Other Digits	Absorb	Call Type**
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
 * Hybrid/PBX mode only
 ** Select Voice only, Data only, or Both.

MERLIN LEGEND Communications System Release 2.0
System Form 9b (Continued)

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*	Pool	FRL (3 ◆)	Other Digits	Absorb	Call Type*
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.

System Form 9c

Automatic Route Selection Default and Special Numbers Tables*

Subpattern A Time of Day _____					Subpattern B Time of Day _____				
Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type**	Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type**
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 18: Default Local Table

Subpattern A Time of Day _____					Subpattern B Time of Day _____				
Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type**	Pool	FRL (3 ♦)	Other Digits	Absorb	Call Type**
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 19: Dial 0

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

Table 20: Special Number (411, 611, 811, 911)

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

♦ Factory Setting

* Hybrid/PBX mode only

** Select Voice only, Data only, or Both.

† Always set to the first pool in the system; cannot be changed.



Reference #: _____

MERLIN LEGEND™
Communications System
Release 2.0

Data Planning Forms

Data Form 1a

Modem Pool – Analog to Digital

Modem Pool Number _____									
Pool Member in data hunt group? <input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Modem		Data Module		Pair	Modem		Data Module	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Modem Pool Number _____									
Pool Member in data hunt group? <input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Modem		Data Module		Pair	Modem		Data Module	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Data Form 1a (Continued)

Modem Pool Number _____									
Pool Member in data hunt group?									
<input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Modem		Data Module		Pair	Modem		Data Module	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Modem Pool Number _____									
Pool Member in data hunt group?									
<input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Modem		Data Module		Pair	Modem		Data Module	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Data Form 1b

Modem Pool- Digital to Analog

Pool Number _____									
Pool Member in data hunt group?									
<input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Data Module		Modem		Pair	Data Module		Modem	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Pool Number _____									
Pool Member in data hunt group?									
<input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Data Module		Modem		Pair	Data Module		Modem	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					1 1				
2					1 2				
3					1 3				
4					1 4				
5					1 5				
6					1 6				
7					1 7				
8					1 8				
9					1 9				

Pool Number _____									
Pool Member in data hunt group? <input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Data Module		Modem		Pair	Data Module		Modem	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Pool Number _____									
Pool Member in data hunt group? <input type="checkbox"/> Yes, DHG Extension No. _____									
Pair	Data Module		Modem		Pair	Data Module		Modem	
	Logical ID	Extension	Logical ID	Extension		Logical ID	Extension	Logical ID	Extension
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Analog Data Station

Logical ID _____ Extension No. _____ Person or Location _____

Data Station Use

- Individual use
- Local host computer
- LAN workstation

Modem Pool Member

- No
- Yes, Pool Number _____

Assigned to Data Hunt Group

- No
- Yes, DHG Extension _____

Optional Features

Pool Dial-Out Code Restriction

- Unrestricted from following codes*

- Restricted from following codes**

Call Restriction

- Unrestricted ♦
- Outward Restrict
- Toll Restrict
- Allow List(s)

- Disallowed Lists(s)

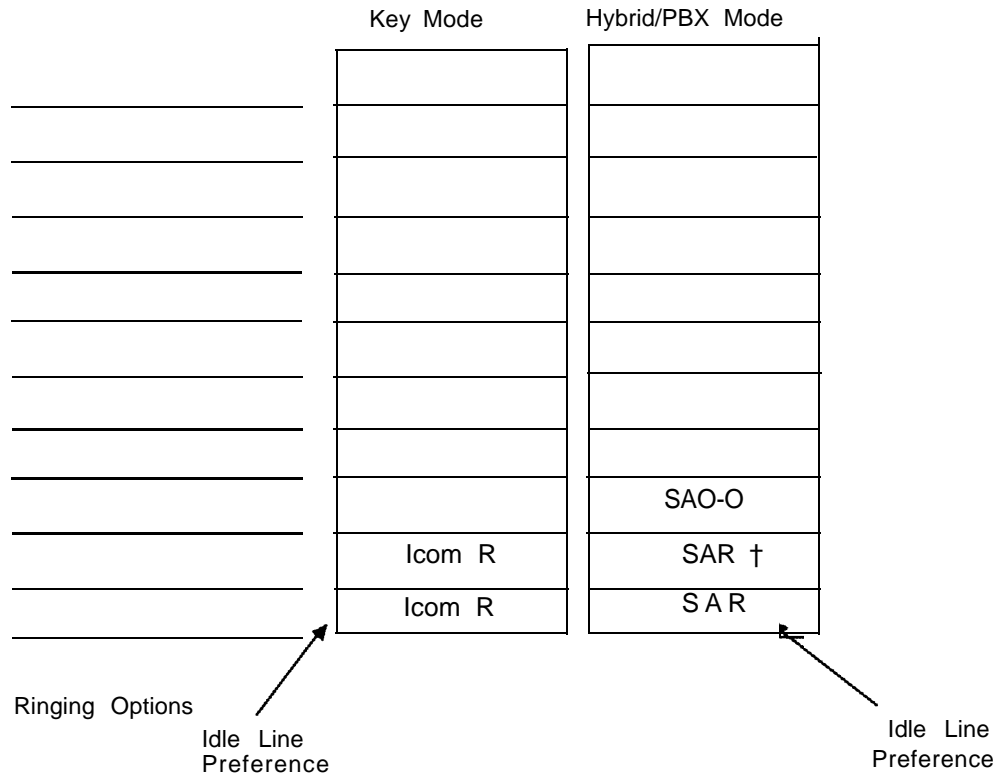
Forced Account Code Entry

- No ♦
- Yes

ARS Restriction Level

- 3 ♦
- _____ (0 - 6)

Button Diagram



♦ Factory Setting
 * Factory setting is unrestricted for all males.
 ** Pool dial-out code restrictions must be programmed.

† Only one SA Ring button assigned if on 008 MLX or 408 GSLS-MLX module.

Data Form 2b

Digital Data Station

Logical ID _____ Extension No. _____ Person or Location _____

Data Station Use

- Individual use
- Local host computer
- LAN workstation

Modem Pool Member

- No
- Yes, Pool Number _____

Assigned to Data Hunt Group

- No
- Yes, DHG Extension _____

Optional Features

Pool Dial-Out Code Restriction

- Unrestricted from following codes*

- Restricted from following codes**

Call Restriction

- Unrestricted ♦
- Outward Restrict
- Toll Restrict
- Allow List(s)

- Disallowed Lists(s)

Forced Account Code Entry

- No ♦
- Yes


ARS Restriction Level


- 3 ♦
- _____ (0 - 6)

Button Diagram

	Key Mode	Hybrid/PBX Mode

_____	Icom R	SAO-O
_____	Icom R	SAR
_____	Icom R	SAR

Ringing Options 

Idle Line Preference 

Idle Line Preference

♦ Factory Setting
 * Factory setting is unrestricted for all codes.
 ** Pool dial-out code restrictions must be programmed,

Data Form 3

Data Hunt Groups

(Make a copy for each group.)

Group Number (1-32) _____
 Group ID _____

Factory-Set Ext. No.
 Renumber To

Group Type

- Local Host Computer Access
- Workstation on LAN Access
- Analog-to-Digital Pool
- Digital-to Analog Pool

Stations

	Ext. No.	Person or Location		Ext. No.	Person or Location		Ext. No.	Person or Location		Ext. No.	Person or Location
1			6			11			16		
2			7			12			17		
3			8			13			18		
4			9			14			19		
5			10			15			20		

Trunks or Pools

Logical ID	Trunk or Pool	Logical ID	Trunk or Pool	Logical ID	Trunk or Pool	Logical ID	Trunk or Pool
1		2 1		4 1		6 1	
2		2 2		4 2		6 2	
3		2 3		4 3		6 3	
4		2 4		4 4		6 4	
5		2 5		4 5		6 5	
6		2 6		4 6		6 6	
7		2 7		4 7		6 7	
8		2 8		4 8		6 8	
9		2 9		4 9		6 9	
10		3 0		5 0		7 0	
11		3 1		5 1		7 1	
12		3 2		5 2		7 2	
13		3 3		5 3		7 3	
14		3 4		5 4		7 4	
15		3 5		5 5		7 5	
16		3 6		5 6		7 6	
17		3 7		5 7		7 7	
18		3 8		5 8		7 8	
19		3 9		5 9		7 9	
20		4 0		6 0		8 0	



Reference #: _____

MERLIN LEGEND™
Communications System
Release 2.0

T1/PRI Planner

T1/PRI Planner

For Use with Form 3b, Incoming Trunks - DS1 Connectivity (100D Module)

Reference No. _____

Customer

* Name _____ Tel. No. _____

*Address _____

* Order Number _____

Account Executive _____ Tel. No. _____

Systems Consultant _____ Tel. No. _____

T1/PRI Vendor

* Name _____

Contact _____ Tel. No. _____

Installation

Due Date _____

Materials-on-Job Date _____

Installation Contacts

Implementor _____ Tel. No. _____

NTM Manager _____ Tel. No. _____

NTSC Engineer _____ Tel. No. _____

DSO Manager _____ Tel. No. _____

Has order been placed with the network provider for this service?

Yes, Date _____

No

** Required fields for presale.*

***Module1**

Service Ordered or Planned

- PRI
- T1

Frame Format

- ESF - Preferred.
- D4 - Maybe used if required by local telephone company.

Line Coding (Suppression)

- 682S – Preferred.
- AMI-ZCS

Line Signaling Mode

- Common Channel-Required for PRI.
- Local

Synchronization Timing

- Loop-Default.
- Local

***Module2**

Service ordered or Planned

- PRI
- T1

Frame Format

- ESF – Preferred.
- D4 - Maybe used if required by local telephone company.

Line Coding (Suppression)

- B8ZS - Preferred.
- AMI-ZCS

Line Signaling Mode

- Common Channel - Required for PRI.
- Robbed Bit

Synchronization Timing

- Loop-Default.
- Local

***Module 3**

Service Ordered or Planned

- PRI
- T1

Frame Format

- ESF – Preferred.
- D4 - Maybe used if required by local telephone company.

Line Coding (Suppression)

- B8ZS – Preferred.
- AMI-ZCS

Line Signaling Mode

- Common Channel - Required for PRI.
- Robbed Bit

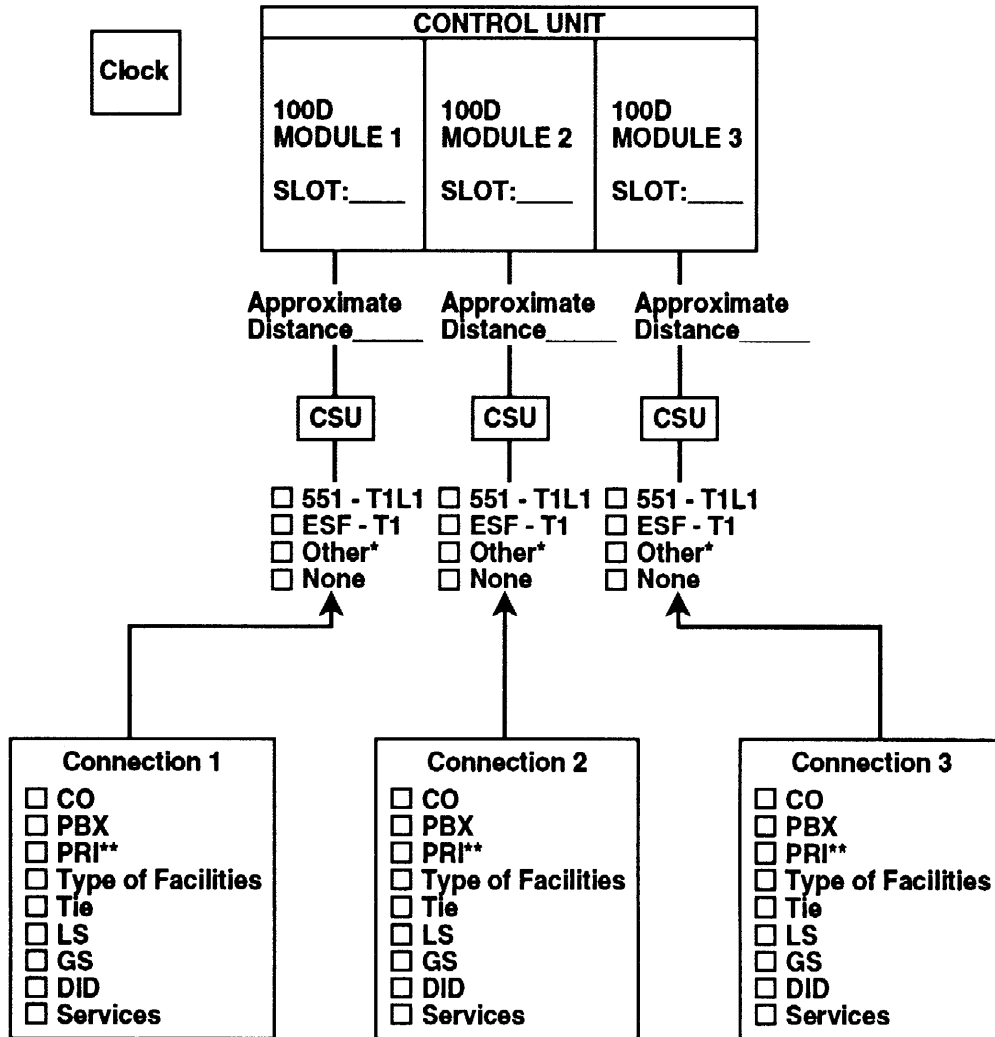
Synchronization Timing

- Loop-Default.
- Local

**All fields required for presale*

T1/PRI Planner (Continued)

Network Planning Map



Key:

Digital Transmission Facility →

Primary Synchronization Source (P) →

Secondary Synchronization Source (S) →

Tertiary Synchronization Source (T) →

* Other model numbers

** The switching equipment of the service provider must be 4ESS Generic 13 or later or 5ESS G6 or later.

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Non-Complex Configuration

Module ____ of ____ Slot No. ____

Subscribed To:	Channels Assigned to Service
<input type="checkbox"/> Ground-start (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Loopstart (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Tie Trunk (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> MultiQuest 900 (w/wo DNIS) (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom** <input type="checkbox"/> OUTWATS† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom 800 <input type="checkbox"/> INWATS† (w/wo DNIS)** (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom/ Megacom 800** <input type="checkbox"/> OUTWATS/ (T1 or PRI) INWATS†	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> SDN** <input type="checkbox"/> VPN† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> ACCUNET Switched <input type="checkbox"/> 56/64 Digital† Digital Service (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> DID (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Call-by-Call Service Selection (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

PRI Identification Service

Will SID/ANI be used?	<input type="checkbox"/> No	<input type="checkbox"/> Yes	
Incoming calls	<input type="checkbox"/> ANI	<input type="checkbox"/> SID	<input type="checkbox"/> Both... Prefer ____ then ____
Outgoing calls	<input type="checkbox"/> ANI	<input type="checkbox"/> SID/ANI Privacy	<input type="checkbox"/> SID - Extension Based <input type="checkbox"/> SID - Line Based

Channel Service Unit

Mfr	<input type="checkbox"/> AT&T	<input type="checkbox"/> AT&T	<input type="checkbox"/> ‡ _____
Md1	551-T1 L1	ESF-T1	_____
REG#	GI 472-16819DE-N	GIC 472-16544-DE-N	_____
FIC	4DU 158	4DN 188	_____

‡ If a CSU other than the two listed AT&T models is used, AT&T will not accept the responsibility for its installation, connection, or testing.

* Required fields for presale

** 4ESS

† 5ESS

Non-Complex Configuration

Module ____ of ____ Slot No. _____

Services

Subscribed To:	Channels Assigned to Service
<input type="checkbox"/> Ground-start (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Loop-start (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Tie Trunk (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> MultiQuest 900 (w/wo DNIS) (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom** <input type="checkbox"/> OUTWATS† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom 800 <input type="checkbox"/> INWATS† (w/wo DNIS)** (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom/ Megacom 800** <input type="checkbox"/> OUTWATS/ (T1 or PRI) INWATS†	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> SDN** <input type="checkbox"/> VPN† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> ACCUNET Switched <input type="checkbox"/> 56/64 Digital† Digital Service (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> DID (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Call-by-Call Service Selection (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

PRI Identification Service

* Will SID/ANI be used? No Yes

Incoming calls ANI SID Both. . . Prefer ____ then ____

Outgoing calls ANI SID/ANI Privacy SID – Extension Based SID – Line Based

Channel Service Unit

Mfr	<input type="checkbox"/> AT&T	<input type="checkbox"/> AT&T	<input type="checkbox"/> ‡ _____
Md1	551-T1 L1	ESF-T1	_____
REG#	GI 472-16819-DE-N	GIC 472-16544-DE-N	_____
FIC	4DU 158	4DN 188	_____

‡ If a CSU other than the two listed AT&T models is used, AT& T will not accept the responsibility for its installation, connection, or testing.

* Required fields for presale
 ** 4 E S S
 † 5 E S S

Non-Complex Configuration

Module ____ of ____ Slot No. ____

Services*

Subscribed To:	Channels Assigned to Service
<input type="checkbox"/> Ground-start (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Loop-start (T1 Only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Tie Trunk (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> MultiQuest 900 (w/wo DNIS) (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom** <input type="checkbox"/> OUIWATS† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom 800 <input type="checkbox"/> INWATS† (w/wo DNIS)** (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Megacom/ Megacorn 800" <input type="checkbox"/> OUTWATS/ INWATS† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> SDN** <input type="checkbox"/> VPN† (T1 or PRI)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> ACCUNET Switched <input type="checkbox"/> 56/64 Digital† Digital Service (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> DID (T1 only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
<input type="checkbox"/> Call-by-Call Service Selection (PRI only)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

PRI Identification Service

*Will SID/ANI be used?	<input type="checkbox"/> No	<input type="checkbox"/> Yes	
Incoming calls	<input type="checkbox"/> ANI	<input type="checkbox"/> SID	<input type="checkbox"/> Both... Prefer ____ then ____
Outgoing calls	<input type="checkbox"/> ANI	<input type="checkbox"/> SID/ANI Privacy	<input type="checkbox"/> SID – Extension Based <input type="checkbox"/> SID – Line Based

Channel Service Unit

Mfr	<input type="checkbox"/> AT&T	<input type="checkbox"/> AT&T	<input type="checkbox"/> ‡ _____
Md1	551-T1 L1	ESF-T1	_____
REG#	GI 472-16819-DE-N	GIC 472-16544-DE-N	_____
FIC	4DU 158	4DN 188	_____

‡ If a CSU other than the two listed AT&T models is used, AT&T will not accept the responsibility for its installation, connection, or testing.

* Required fields for presale

** 4 E S S

† 5 E S S