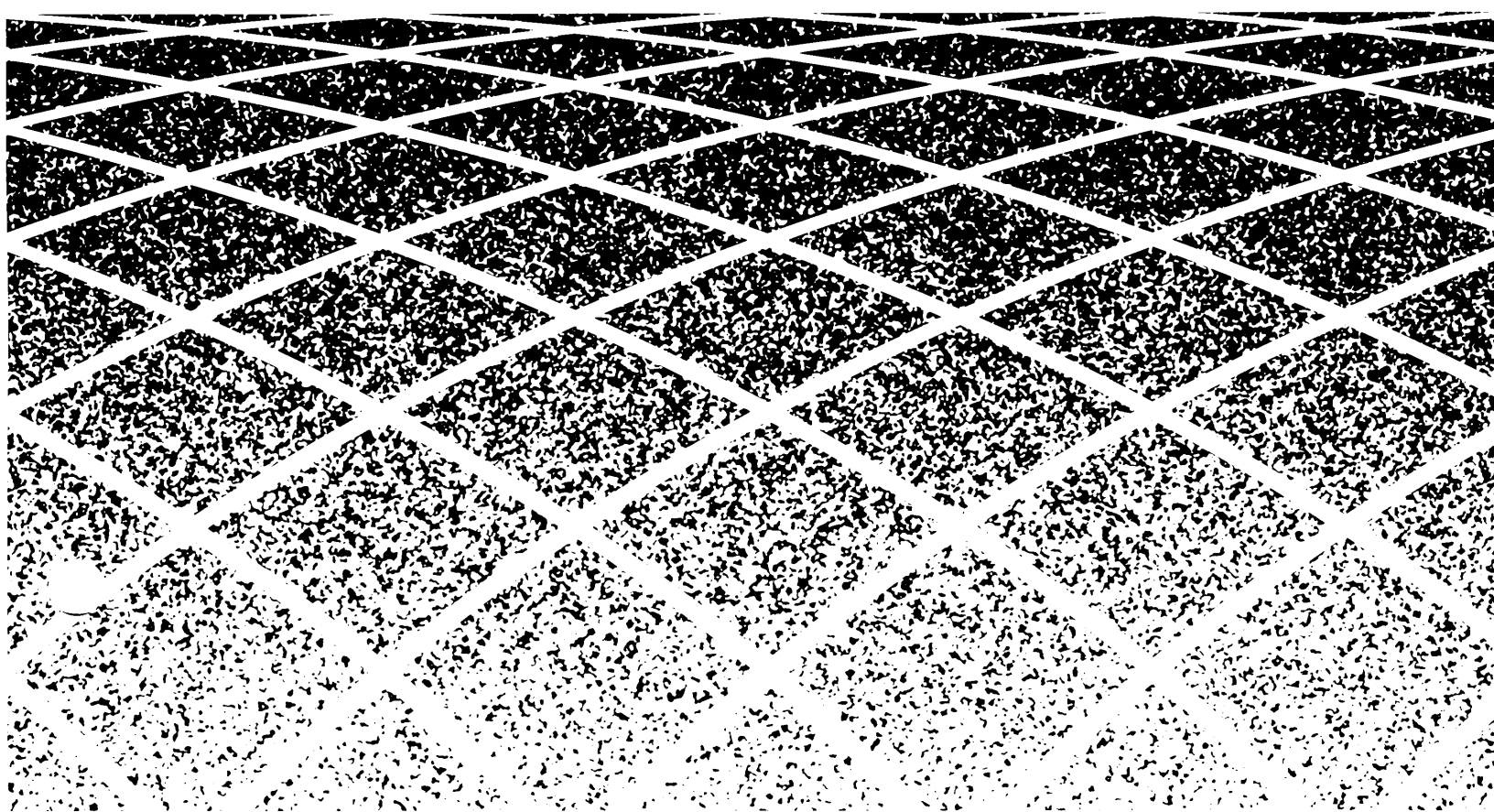




AT&T 555-620-113

MERLIN LEGEND™
Communications System
Release 2.0

System Planning Forms



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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

Company: _____

Address: _____

Telephone #: _____

Contact Name:_____

Customer #: _____

Sales/Installation Information:

Account Executive: _____

Telephone #: _____

System Consultant:_____

Telephone #: _____

Installation Contact:_____

Telephone #: _____

Order #: _____

Notes:

[illegible]

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/PBXmode 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 Planning

Control Unit Diagram

Unit Load Total _____

Auxiliary Power Required

☐ Yes

☐ No

Unit Load Total _____

Auxiliary Power Required

☐ Yes

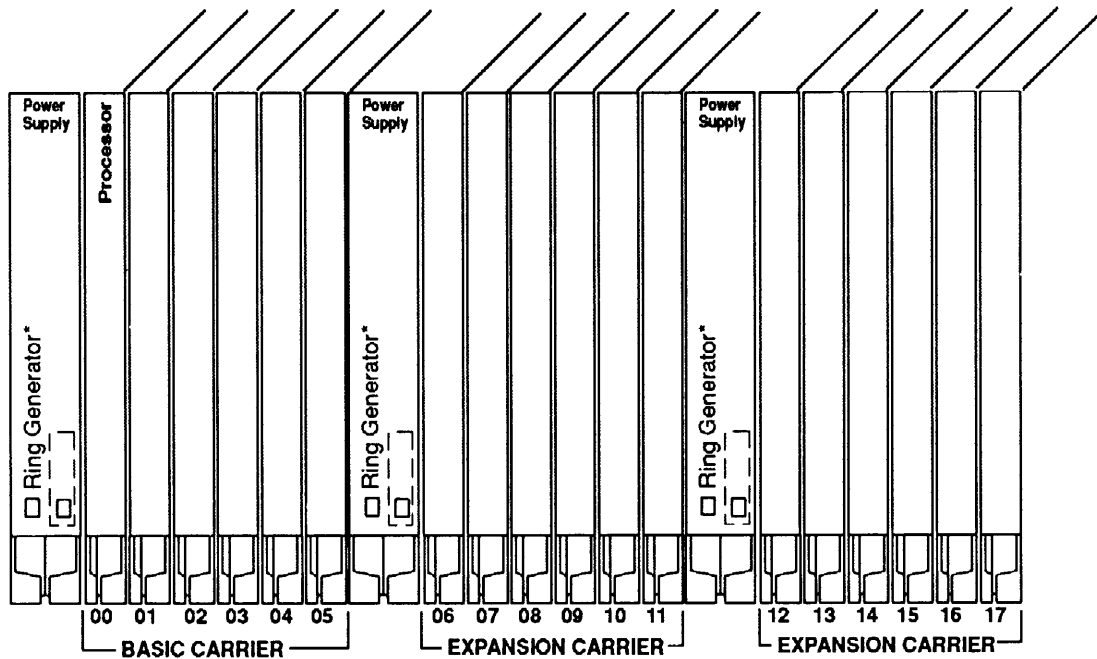
☐ No

Unit Load Total _____

Auxiliary Power Required

☐ Yes

☐ 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

System Consoles

☐ QCC (s)

☐ DLC (s)

♦ 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™
	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 Form 2a (Continued)**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™
	25	A	D*	B		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 MFV 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™
	49	A	B		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	D*	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™
	97	A	D*	B		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 MFM 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	Renumber to	Label	Old Ext. No.	Wire No.	Person, Location, or Function	AUDIX Voice Power™
	121	A			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

(Make additional copies of this form as needed.)
Maximum: 127 Adjuncts

Form **2b-1**

System Numbering – Digital Adjuncts

[illegible]

System Form 2c**System Numbering - Trunk Jacks****Music-on-Hold, Trunk No.** _____ **Maintenance Alarm, Trunk No.** _____**Loudspeaker Page, Trunk No(s).** _____ **Source** _____**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.	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													

♦ 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 only.

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 Call† (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															

‡ 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 only.

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 ♦			
	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

DID and Tie Trunks

☐ Renumber to

☐ Enable☐ Disable ☐ Yes☐ No☐ Yes☐ No[illegible]

Form 3a-1

[illegible]

System Form 3a (Continued)

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)

____ _
 ____ _

System Form 3a (Continued)

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

System Form 3b**Incoming Trunks – DS1 Connectivity (100D Module)**

Module 1 Slot No. _____

Type of Service☐ T1 ♦ *☐ PRI****T1 Trunks**

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			

Frame Format☐ D4 Compatible ♦☐ Extended Super Frame (ESF)**Suppression (Line Code)**☐ AMI-ZCS ♦☐ B8ZS**Signaling Mode**☐ Robbed Bit Signaling (RBS) ♦☐ Common Channel Signaling (CCS)**Line Compensation****Cable Feet**☐ 1 ♦ (.6 dB)☐ 2(1.2dB)☐ 3(1.8dB)☐ 4 (2.4 dB)☐ 5 (3.0 dB)**Clock Synchronization****Priority**☐ Primary ♦☐ Secondary☐ Tertiary☐ None**Source**☐ Loop ♦☐ Local**Activation**☐ Active ♦☐ Not Active**Channel Service Unit**☐ Foreign Exchange ♦☐ Special Access

Module 2 Slot No. _____

Type of Service☐ T1 ♦ *☐ PRI****T1 Trunks**

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			

Frame Format☐ D4 Compatible ♦☐ Extended Super Frame (ESF)**Suppression (Line Code)**☐ AMI-ZCS ♦☐ B8ZS**Signaling Mode**☐ Robbed Bit Signaling (RBS) ♦☐ Common Channel Signaling (CCS)**Line Compensation****Cable Feet**☐ 1 ♦ (.6 dB)☐ 2(1.2dB)☐ 3(1.8dB)☐ 4 (2.4 dB)☐ 5 (3.0 dB)**Clock Synchronization****Priority**☐ Primary☐ Secondary☐ Tertiary☐ None**Source**☐ Loop ♦☐ Local**Activation**☐ Active ♦☐ Not Active**Channel Service Unit**☐ Foreign Exchange ♦☐ 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.

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

Module 3 Slot No. _____

Type of Service ☐ T1 ♦ * ☐ PRI ** T1 Trunks				Suppression (Line Code) ☐ CI AMI-ZCS ♦ ☐ B8ZS		Clock Synchronization Priority ☐ Primary ☐ Secondary ☐ Tertiary ☐ None																																															
<table border="1"> <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>				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				Signaling Mode ☐ Robbed Bit Signaling (RBS) ♦ ☐ Common Channel Signaling (CCS)		Source ☐ Loop ♦ ☐ Local	
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																																																					
				Line Compensation Cable Feet ☐ 1 ♦ (.6 dB) ☐ 2 (1.2dB) ☐ 3 (1.8dB) ☐ 4 (2.4 dB) ☐ 5 (3.0 dB)		Activation ☐ Active ♦ ☐ Not Active																																															
						Channel Service Unit ☐ Foreign Exchange ♦ ☐ 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.

[illegible]

Form 3b-5

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.

❏ Extension Only

☐ Base Number with Extension _____ (up to 12 digits)

[illegible][illegible]

System Form 3b (Continued)**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 – Tie

(Make as many copies as needed.)

[illegible]

◆ Factory Setting

Incoming Trunks – Tie

[illegible]

◆ Factory Setting

System Form 3d**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*

[illegible][illegible]

- ◆ 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**

34 BUTTON							
22 BUTTON							
10 BUTTON							
5 BUTTON							
☐	☐	☐	☐	☐	☐	☐	☐
	3	5	8	10		11	23
☐	☐	☐	☐	☐	☐	☐	☐
	2	4	7	9		12	24
☐ SA	☐	☐	☐	☐	☐	☐	☐
☐ Orig Only	1	3	6	8		13	25
☐ SA Icom	☐	☐	☐	☐	☐	☐	☐
☐ Voice		2	5	7		14	26
☐ SA Icom	☐	☐	☐	☐	☐	☐	☐
☐ Ring		1	4	6		15	27
				☐	☐	☐	☐
					16		28
				☐	☐	☐	☐
					17		29
				☐	☐	☐	☐
					18		30
				☐	☐	☐	☐
					19		31
				☐	☐	☐	☐
					20		32
				☐	☐	☐	☐
					21		33
				☐	☐	☐	☐
					22		34

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

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.

System Form 4b (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. _____

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

34 BUTTON							
22 BUTTON							
10 BUTTON							
5 BUTTON							
☐	☐	☐	☐	☐	☐	☐	☐
	3	5		8	10		23
☐	☐	☐	☐	☐	☐	☐	☐
	2	4		7	9		24
☐ SA	☐	☐	☐	☐	☐	☐	☐
☐ Orig Only 1		3		6	8		25
☐ SA Icom	☐	☐	☐	☐	☐	☐	☐
☐ Voice		2		5	7		26
☐ SA Icom	☐	☐	☐	☐	☐	☐	☐
☐ Ring		1		4	6		27
				☐	☐	☐	☐
					16		28
				☐	☐	☐	☐
					17		29
				☐	☐	☐	☐
					18		30
				☐	☐	☐	☐
					19		31
				☐	☐	☐	☐
					20		32
				☐	☐	☐	☐
					21		33
				☐	☐	☐	☐
					22		34

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

[illegible]

System Form 4c (Continued)

Button Diagram

22 ☐ ☐				24 ☐ ☐		26 ☐ ☐		28 ☐ ☐	
21 ☐ ☐				23 ☐ ☐		25 ☐ ☐		27 ☐ ☐	
5 ☐ ☐		3		10 ☐ ☐		15 ☐ ☐		20 ☐ ☐	
4 ☐ ☐		2		9 ☐ ☐		14 ☐ ☐		19 ☐ ☐	
3 ☐ ☐		SA Orig. Only		8 ☐ ☐		13 ☐ ☐		18 ☐ ☐	
2 ☐ ☐		SA lcom Voice		7 ☐ ☐		12 ☐ ☐		17 ☐ ☐	
1 ☐ ☐		SA lcom Ring		6 ☐ ☐		11 ☐ ☐		16 ☐ ☐	
				4					
				5					
				6					
				7					
				8					

20

10

28

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

22 ☐ ☐				24 ☐ ☐		26 ☐ ☐		28 ☐ ☐	
21 ☐ ☐				23 ☐ ☐		25 ☐ ☐		27 ☐ ☐	
5 ☐ ☐		3		10 ☐ ☐		15 ☐ ☐		20 ☐ ☐	
4 ☐ ☐		2		9 ☐ ☐		14 ☐ ☐		19 ☐ ☐	
3 ☐ ☐		SA Orig. Only		8 ☐ ☐		13 ☐ ☐		18 ☐ ☐	
2 ☐ ☐		SA Icom Voice		7 ☐ ☐		12 ☐ ☐		17 ☐ ☐	
1 ☐ ☐		SA Icom Ring		6 ☐ ☐		11 ☐ ☐		16 ☐ ☐	
		4							
		5							
		6							
		7							
		8							

10 20 28

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

System Form 4e**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/PBXnode only

** Factory setting is unrestricted for all codes.

† Pool dial-out code restrictions must be programmed.

System Form 4e (Continued)

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 _____

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)

ARS Restriction Level*

- ☐ 3 ♦
- ☐ ____ (0 - 6)

Principal User of Personal Line

Trunk No. (801 - 880)

Tel. No. _____

Auto Line Selection

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.

System Form 4f (Continued)

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

See Master Extension

Note: Alarm, Night Service, and Send/Remove Msg will be replaced with Lines 30, 31, and 32 if the system has that many lines.

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

System Form 5b**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.

System Form 5b (Continued)

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

22 ☐ ☐				24 ☐ ☐		26 ☐ ☐		28 ☐ ☐	
21 ☐ ☐				23 ☐ ☐		25 ☐ ☐		27 ☐ ☐	
5 ☐ ☐		3		10 ☐ ☐		15 ☐ ☐		20 ☐ ☐	
4 ☐ ☐		2		9 ☐ ☐		14 ☐ ☐		19 ☐ ☐	
3 ☐ ☐		1		8 ☐ ☐		13 ☐ ☐		18 ☐ ☐	
2 ☐ ☐		SA lcom Voice		7 ☐ ☐		12 ☐ ☐		17 ☐ ☐	
1 ☐ ☐		SA lcom Ring		6 ☐ ☐		11 ☐ ☐		16 ☐ ☐	
		4				9		14	
		5				10		15	
		6				11		16	
		7				12		17	
		8				13		18	
		9				14		19	
		10				15		20	

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

System Form 5d

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

G	CALL 5	H	POSITION BUSY	I	ALARM	J	FORCED RELEASE	K	CALL 4	L	SEND/REMOVE MSG	M	NIGHT SERVICE	N	POOL STATUS	O	CALL 3	P	HEADSET MUTE	Q	HEADSET STATUS	R	HEADSET AUTO ANSWER	S	CALL 2	T	SOURCE	U	DESTINATION	V	JOIN	W	CALL 1	X	START	Y	RELEASE	Z	CANCEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167		168		169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219		220		221		222		223		224		225		226		227		228		229		230		231		232		233		234		235		236		237		238		239		240		241		242		243		244		245		246		247		248		249		250		251		252		253		254		255		256		257		258		259		260		261		262		263		264		265		266		267		268		269		270		271		272		273		274		275		276		277		278		279		280		281

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

System Form 6a (Continued)**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		
1 2		
1 3		
1 4		
1 5		

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		

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		
1 4		
1 5		

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		

System Form 6c**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 Calling*

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

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

[illegible]

* 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 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 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

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					

[illegible]

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

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.

Disallowed Lists

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

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

[illegible][illegible][illegible][illegible]

[illegible]

Form 6i-1

[illegible]

* Hybrid/PBX mode only.

[illegible]

Form 7a-1

[illegible]

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	

[illegible]

** 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.*

[illegible]

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 ♦	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
#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 u	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	Display	
	(11 characters maximum)	Telephone Number (40 digits maximum)	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

Number of exchanges in the calling area _____

[illegible]

Preferred Trunk Pools
For toll calls (Table 17)

For local calls (Table 18)_____

Form 9a-1

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? ☐ 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? ☐ 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? ☐ 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? ☐ 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? ☐ 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? ☐ 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				

Data Form 1b (Continued)

Pool Number _____									
Pool Member in data hunt group? ☐ 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? ☐ 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				

Data Form 2a**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)

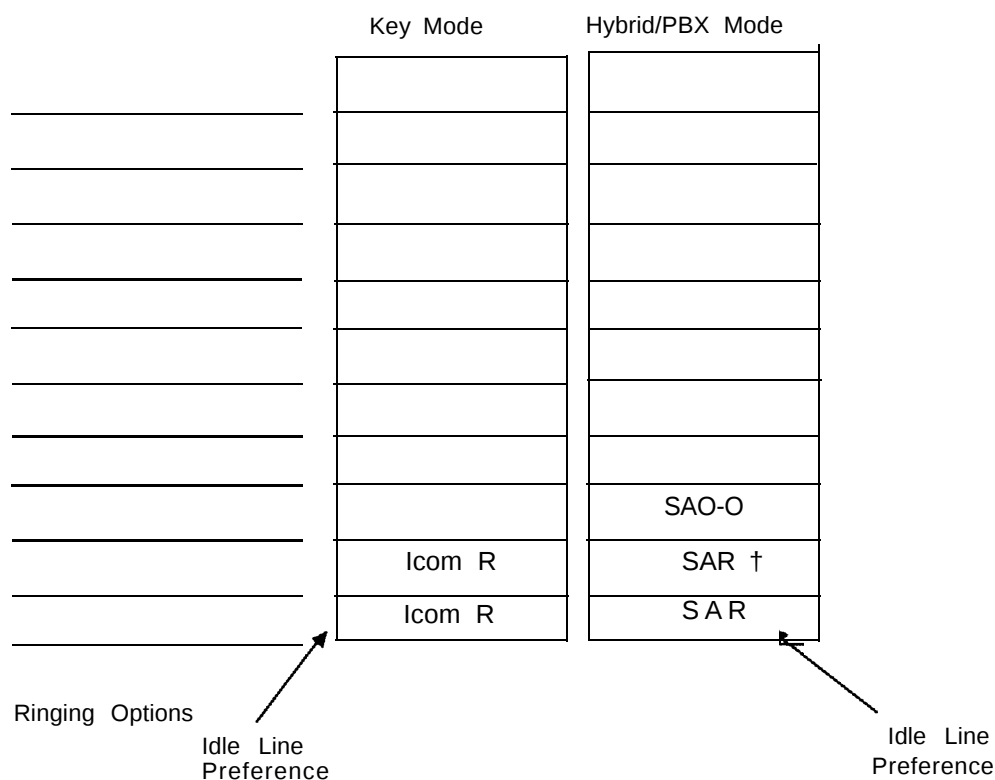
- ☐ Disallowed Lists(s)

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

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

Ringing Options

Idle Line
PreferenceIdle Line
Preference

♦ Factory Setting

* Factory setting is unrestricted for all codes.

** Pool dial-out code restrictions must be programmed,

Data Form 3

Page _____ of _____

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

***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

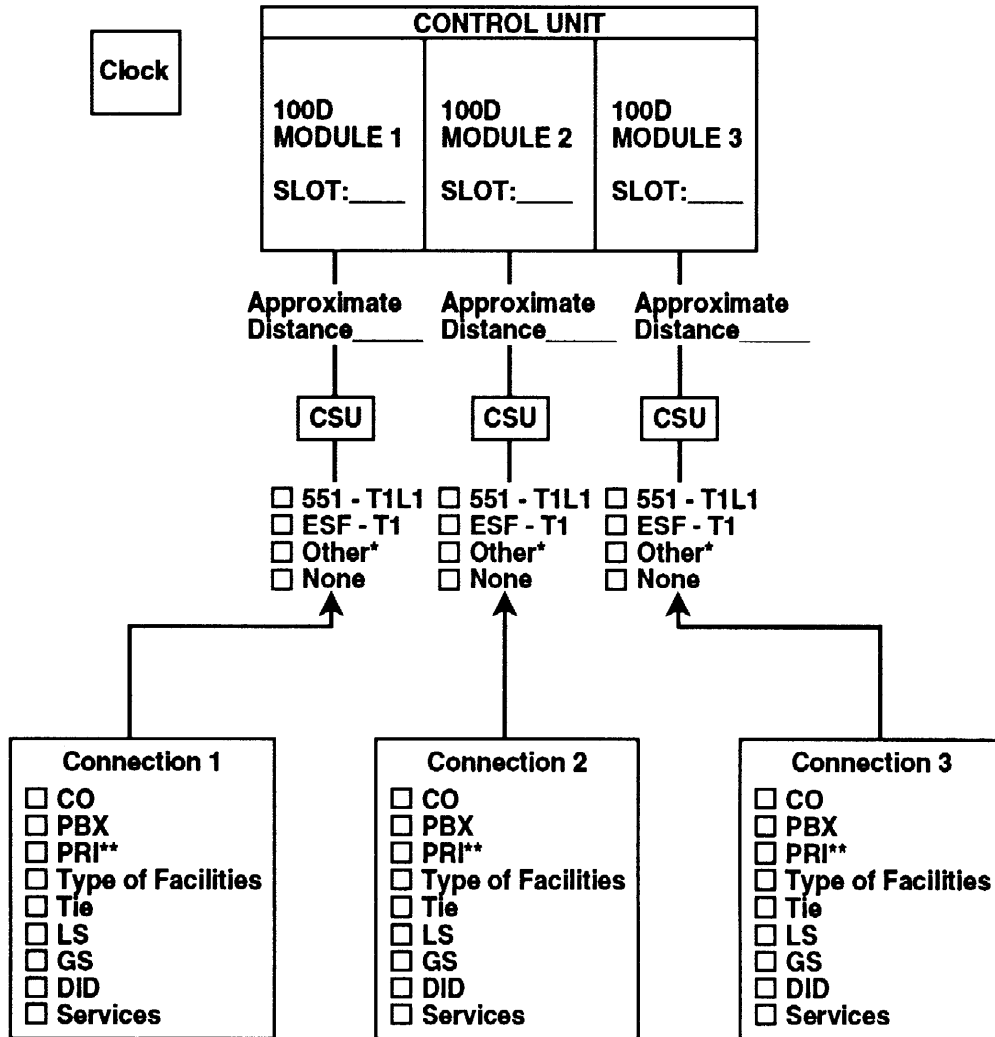
☐ Loop-Default.

☐ 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
☐ 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
☐ 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
☐ 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
☐ 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
☐ Megacom** ☐ 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
☐ Megacom 800 ☐ 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
☐ Megacom/ Megacom 800** ☐ 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
☐ SDN** ☐ 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
☐ ACCUNET Switched ☐ 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
☐ 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
☐ 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
Outgoing calls	☐ ANI	☐ SID/ANI Privacy
	☐ Both. . . Prefer ____ then ____	☐ SID - Extension Based
		☐ SID - Line Based

Channel Service Unit

☐	☐	☐ ‡
Mfr	AT&T	AT&T
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
☐ 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
☐ 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
☐ 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
☐ 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
☐ Megacom** (T1 or PRI)	☐ OUTWATS†
☐ Megacom 800 (w/wo DNIS)** (T1 or PRI)	☐ INWATS†
☐ Megacom/ Megacom 800** (T1 or PRI)	☐ OUTWATS/ INWATS†
☐ SDN** (T1 or PRI)	☐ VPN†
☐ ACCUNET Switched Digital Service (PRI only)	☐ 56/64 Digital†
☐ DID (T1 only)	
☐ Call-by-Call Service Selection (PRI only)	

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	☐ AT&T	☐ AT&T	☐ ‡
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

** 4ESS

† 5ESS

Non-Complex Configuration

Module ____ of ____ Slot No. ____

Services*

Subscribed To:	Channels Assigned to Service
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☐ 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
☐ 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
☐ 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
☐ Megacom** ☐ 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
☐ Megacom 800 ☐ 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
☐ Megacom/ Megacorn 800" ☐ 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
☐ SDN** ☐ 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
☐ ACCUNET Switched ☐ 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
☐ 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
☐ 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
Outgoing calls	☐ ANI	☐ SID/ANI Privacy
	☐ Both... Prefer ____ then ____	☐ SID – Extension Based ☐ SID – Line Based

Channel Service Unit

Mfr	☐ AT&T	☐ AT&T	☐ ‡
Md1	551-T1 L1	ESF-T1	_____
REG#	GI 472-16819-DE-N	GIC 472-16544-DE-N	_____
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