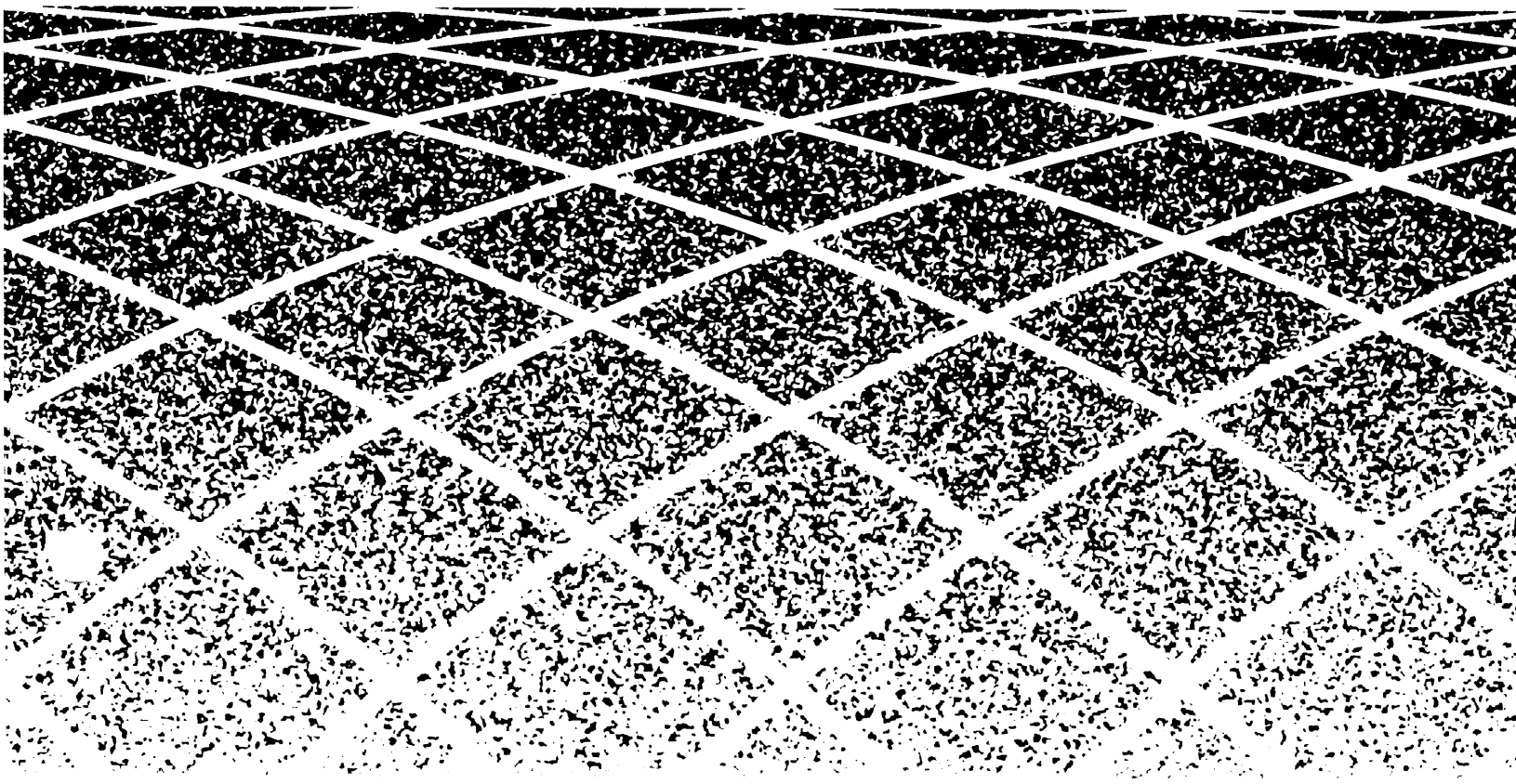
555-610-117

AT&T

MERLIN LEGEND™

Communications System

PBX System Planning Forms



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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.

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Employee Communication Survey

Name_____ Room_____ Extension_____

_____

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

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

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

- ❑ No
- ❑ Yes By whom? _____

_____

3. Do you 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 _____

_____

4. Do you share the incoming call workload with others?

- ❑ No
- ❑ Yes With whom? _____

_____

5. Would you say your phone use is

- ❑ Heavy
- ❑ Average
- ❑ Light

6. 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

   ❑ Yes Do you have a modem or ISDN 7500B Data Module?

   ❑ No

   ❑ Yes

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

   ❑ No

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

   _____

   _____

   _____

8. Approximately how many times do you transfer calls? _____ times/day

9. Do you need to dial the same number 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:

    _____

    _____

    _____

11. 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:

    _____

    _____

    _____

PBX System Form 1

System Planning

Size of Processor Module

❑ Small — maximum 24 trunks and/or 56 stations
❑ Large — maximum 80 trunks and/or 144 stations

Capacity

Trunks

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

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

Stations

Module Type	Number of Modules		Physical Jacks per Module	Physical Jacks by Module Type		Station Extensions Assigned	Total Station Extensions Assigned
008 MLX		x	8		x	2	
008		x	8		x	1	
408		x	8		x	1	
408 GS/LS		x	8		x	1	
012		x	12		x	1	
008 OPT		x	8		x	(x4)*	
System Totals							

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

Control Unit Diagram

Unit Load Total_____

Auxiliary Power Required

❑ Yes
❑ No

Unit Load Total_____

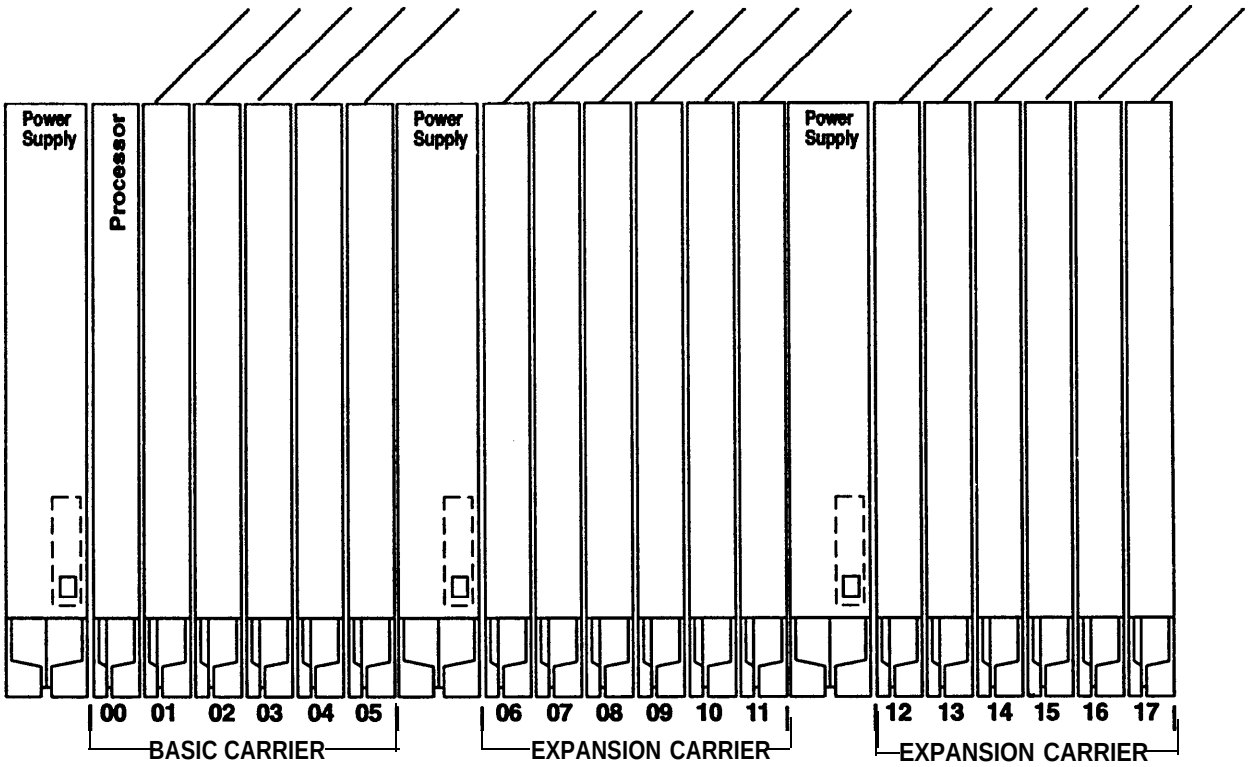
Auxiliary Power Required

❑ Yes
❑ No

Unit Load Total_____

Auxiliary Power Required

❑ Yes
❑ No



System Operating Conditions

System Programming Console

❑ No
❑ Logical ID_____ Ext. No. _____

Set System Mode

❑ Key ✥
❑ Hybrid/PBX
❑ Behind Switch

Automatic Maintenance Busy

❑ Disable ✥
❑ Enable

Set System Date

❑ Yes
❑ No

Set System Time

❑ Yes
❑ No

✥ Factory Setting

PBX System Form 2a

System Numbering — Station Jacks

Renumber System

❑ 2-Digit ✦

❑ Selected Extension Numbers

❑ 3-Digit

❑ Set Up Space

Logical ID	Jack Type A	Jack Type D*	Jack Type B	2-Digit Ext. No. ✦	3-Digit Ext. No.	Set Up Space	Renumber To	Person, Location, or Function
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		
25				34	124	7124		
26				35	125	7125		
27				36	126	7126		
28				37	127	7127		
29				38	128	7128		
30				39	129	7129		

Shaded lines indicate possible operator positions.

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

✦ Factory Setting

PBX System Form 2a, Continued

Logical ID	Jack Type A	Jack Type D*	Jack Type B	2-Digit Ext. No. ✥	3-Digit Ext. No.	Set Up Space	Renumber To	Person, Location, or Function
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		
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	1576	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		

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

PBX System Form 2a, Continued

Logical ID	Jack type A	Jack type D *	Jack type B	2-Digit Ext. No. ✦	3-Digit Ext. No.	Set Up Space	Renumber To	Person , Location or Function
69				6810	168	7168		
70				6811	169	7169		
71				6812	170	7170		
72				6813	171	7171		
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	7183		
84				6825	186	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		
97				6838	196	7196		
98				6839	197	7197		
99				6840	198	7198		
100				6841	199	7299		
101				6842	200	7200		
102				6843	201	7201		
103				6844	202	7202		
104				6845	203	7203		
105				6846	204	7204		
106				6847	205	7205		

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

PBX System Form 2a, Continued

Logical ID	Jack Type A	Jack Type D*	Jack Type B	2-Digit Ext. No. F	3-Digit Ext. No.	Set Up Space	Renumber To	Person, Location, or Function
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		
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/ISDN Station Adjuncts

Maximum: 127 Adjuncts

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

PBX System Form 2b, Continued

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

PBX System Form 2b, Continued

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

PBX System Form 2c

System Numbering — Trunk Jacks

Music-on-Hold, Logical ID_____Source _____ **Maintenance Alarm,** Logical ID_____

Loudspeaker Page, Logical ID _____ **Loop-Start Reliable Disconnect**
❑ No ✦ ❑ Yes

Logical ID	Jack Type (LS,GS, DID,Tie, DS1)	Trunk Number	Trunk Type (Basic LS, Basic GS, WATS, FX, etc.)	Telephone Number or Equipment	Outmode Rotary Dial		Toll Prefix Not Needed for LD		Short Hold Disconnect Internal		QCC Operator to Receive calls (No ✦)	QCC Queue Priority Level (4 ✦)
					Yes	No ✦	Yes	No ✦	Yes	No ✦		
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										
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										

✦ Factory Setting

PBX System Form 2c, Continued

Logical ID	Jack Type (LS, GS, DID, Tie, DS1)	Trunk Number	Trunk Type (Basic LS, Basic GS, WATS, FX, ets.)	Telephone Number or Equipment	Outmode Rotary Dial		Toll Prefix Not Needed for LD		Short Hold Disconnect Interval		QCC Operator to Receive Call	QCC Queue Priority Level
					Yes	No ✦	Yes	No ✦	Yes	No ✦	(No ✦)	(4 ✦)
37		837										
38		838										
39		839										
40		840										
41		841										
42		842										
43		843										
44		844										
45		845										
46		846										
47		847										
48		848										
49		849										
50		450										
51		851										
52		852										
53		853										
54		854										
55		8855										
56		856										
57		857										
58		858										
59		859										
60		860										
61		861										
62		862										
63		863										
64		864										
65		865										
66		866										
67		867										
68		868										
69		869										
70		870										
71		871										
72		872										
73		873										
74		874										
75		875										
76		876										
77		877										
78		878										
79		879										
80		880										

✦ Factory Setting

PBX System Form 2d

System Numbering — Special Renumbers

Group Calling (Form 6e) Group ID	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	
	7790	
	791	
	7920	
	7921	
	7922	
	7923	
	7924	
	7925	
	7926	
	7927	
	7928	

Pools (Form 3b) 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	
	7 9	
	679	
	798	
Page All	799	

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

Listed Directory Number (QCC Queue)	Factory-Set Number	Renumber To
	800	

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

PBX System Form 2e

System Technician's Run Sheet

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						

PBX System Form 2c, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
99						
100						
101						
102						
103						
104						
105						
106						
107						
108						
109						
110						
111						
112						
113						
114						
115						
116						
117						
118						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
119						
120						
121						
122						
123						
124						
125						
126						
127						
128						
129						
130						
131						
132						
133						
134						
135						
136						
137						
138						

PBX System Form 2e, Continued

Logical ID	Type	Wire No.	Old Ext. No.	New Ext. No.	Miscellaneous	Person, Location, or Function
139						
140						
141						
142						
143						
144						

PBX System Form 3a

Outside Trunks — Remote Access

DID and Tie Trunks

Remote Access Code: 889

Renumber To _____

Automatic Callback

❑ Disable ❖

❑ Enable

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	Shared	Dedicated

❖ Factory Setting

PBX System Form 3a, Continued

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

PBX System Form 3a, Continued

Class of Restriction without Barrier Codes

DID or Tie Trunks

Restriction

❑ Outward Restrict ✦
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✦

Allowed List Access

❑ List Nos. (1 - 8)

— — — —
— — — —

Disallowed List Access

❑ List Nos. (1 - 8)

— — — —
— — — —

Non-Tie Trunks

Restriction

❑ Outward Restrict ✦
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✦

Allowed List Access

❑ List Nos. (1 - 8)

— — — —
— — — —

Disallowed List Access

❑ List Nos. (1 - 8)

— — — —
— — — —

✦ Factory Setting

Class of Restriction with Barrier Codes

Barrier Code

Number _____

Digits _____ (4 digits, 0-9)

Restriction

❑ Outward Restrict ✥
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✥

Allowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Disallowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Barrier Code

Number _____

Digits _____ (4 digits, 0-9)

Restriction

❑ Outward Restrict ✥
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✥

Allowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Disallowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Barrier Code

Number _____

Digits _____ (4 digits, 0-9)

Restriction

❑ Outward Restrict ✥
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✥

Allowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Disallowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Barrier Code

Number _____

Digits _____ (4 digits, 0-9)

Restriction

❑ Outward Restrict ✥
❑ Unrestricted
❑ Toll Restrict

ARS Restriction Level

❑ 0 ❑ 4
❑ 1 ❑ 5
❑ 2 ❑ 6
❑ 3 ✥

Allowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

Disallowed List Access

List Nos. (1-8)

____ ____ ____ ____
____ ____ ____ ____

✥ Factory Setting

Outside Trunks — Pools

Maximum: 11 pools with up to 80 trunks per pool

Pool Dial-Out Code	Renumber To	Logical ID	Trunk No.	Trunk Type (Basic LS, Basic GS, WATS, FX, etc.)	Description

Factory Settings: 70 (main), 891 (dial-in tie), 892 (automatic-in tie)

PBX System Form 3b, Continued

Pool Dial-Out Code	Renumber To	Logical ID	Trunk No.	Trunk Type (Basic LS, Basic GS, WATS, FX, etc.)	Description

PBX System Form 3c

Outside Trunks – DS1 Facility (100D Module)

Module 1 Slot No. _____

Type of Service
- ❑ T1 ✦
- ❑ ISDN-PRI

Frame Format
- ❑ D4 ✦
- ❑ ESF

Suppression (Line Code)
- ❑ AMI-ZCS ✦
- ❑ B8ZS

Line Compensation
_____Cable Feet
- ❑ 1 ✦ (.6dB)
- ❑ 2 (1.2 dB)
- ❑ 3 (1.8 dB)
- ❑ 4 (2.4 dB)
- ❑ 5 (3.0 dB)

Clock Synchronization Priority
- ❑ Primary ✦
- ❑ Secondary
- ❑ Tertiary
- ❑ None

Source
- ❑ Loop ✦
- ❑ Local

Activation
- ❑ Active ✦
- ❑ Not Active

Signaling Mode
- ❑ RBS ✦
- ❑ CCS

Channel Service Unit
- ❑ Foreign Exchange ✦
- ❑ Special Access

Module 2 Slot No. _____

Type of Service
- ❑ T1 ✦
- ❑ ISDN-PRI

Frame Format
- ❑ D4 ✦
- ❑ ESF

Suppression (Line Code)
- ❑ AMI-ZCS ✦
- ❑ B8ZS

Line Compensation
_____Cable Feet
- ❑ 1 ✦ (.6dB)
- ❑ 2(1.2 dB)
- ❑ 3 (1.8 dB)
- ❑ 4 (2.4 dB)
- ❑ 5 (3.0 dB)

Clock Synchronization Priority
- ❑ Primary
- ❑ Secondary
- ❑ Tertiary
- ❑ None

Source
- ❑ Loop ✦
- ❑ Local

Activation
- ❑ Active ✦
- ❑ Not Active

Signaling Mode
- ❑ RBS ✦
- ❑ CCS

Channel Service Unit
- ❑ Foreign Exchange ✦
- ❑ Special Access

Module 3 Slot No. _____

Type of Service
- ❑ T1 ✦
- ❑ ISDN-PRI

Frame Format
- ❑ D4 ✦
- ❑ ESF

Suppression (Line Code)
- ❑ AMI-ZCS ✦
- ❑ B8ZS

Line Compensation
_____Cable Feet
- ❑ 1 ✦ (.6dB)
- ❑ 2 (1.2 dB)
- ❑ 3 (1.8 dB)
- ❑ 4 (2.4 dB)
- ❑ 5 (3.0 dB)

Clock Synchronization Priority
- ❑ Primary
- ❑ Secondary
- ❑ Tertiary
- ❑ None

Source
- ❑ Loop ✦
- ❑ Local

Activation
- ❑ Active ✦
- ❑ Not Active

Signaling Mode
- ❑ RBS ✦
- ❑ CCS

Channel Service Unit
- ❑ Foreign Exchange ✦
- ❑ Special Access

✦ Factory Setting

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PBX System Form 3c, Continued

ISDN–PRI Facility Options Module _____ Slot No. _____

Logical ID	Trunk No.	Telephone Number (up to 12 digits)	Telephone Number to Send (up to 12 digits)
Test Telephone Number (up to 12 digits)			

Terminal Equipment Identifier (TEI)

❑ 0 ❖

❑ ____ (1-63)

Timers and Counters

	Factory Setting	Change To
T200 Timer	1 second	(1000-3000ms)
T203 Timer	30 seconds	(1-60 seconds)
N200 Counter	3 transmissions	(1-5 transmissions)
N201 Counter	260 octets	(16-260 octets)
K Couner	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)

❖ Factory Setting

B - Channel Groups

Maximum: 69 groups with up to 23 channels per group. *Make copy for each group.*

Group No. (1-69) __________

B-Channel	Trunks	
Slot and Port No.	Logical ID	Trunk No.

Group No. (1-69) __________

B-Channel	Trunks	
Slot and Port No.	Logical ID	Trunk No.

General Business Systems T1/ISDN-PRI Planner

Reference No. _____

Customer

✶ Name _____ Tel. No. _____

✶ Address _____

✶ **AT&T DOSS Order Number** _____

✶ Account Executive _____ Tel. No. _____

✶ Systems Consultant _____ Tel. No. _____

T1/ISDN-PRI Vendor

✶ Name _____

Contact _____ Tel. No. _____

Installation

Due Date _____

Materials-on-Job Date _____

AT&T 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.

✶ **MODULE 1**

Service Ordered or Planned

❑ ISDN-PRI
❑ T1

Frame Format

❑ ESF - Preferred.
Required for ISDN-PRI and international data transmission.

❑ D4 - Maybe used if required by local telephone company.

Line Coding (Suppression)

❑ B8ZS-Required for ISDN-PRI.
❑ AMI-ZCS

Line Signaling Mode

❑ Common Channel - Required for ISDN-PRI.
❑ Robbed Bit

Synchronization Timing

❑ Loop-Required for ISDN-PRI.
❑ Local

✶ **MODULE 2**

Service Ordered or Planned

❑ ISDN-PRI
❑ T1

Frame Format

❑ ESF - Preferred.
Required for ISDN-PRI and international data transmission.

❑ D4 - Maybe used if required by local telephone company.

Line Coding (Suppression)

❑ B8ZS - Required for ISDN-PRI.
❑ AMI-ZCS

Line Signaling Mode

❑ Common Channel - Required for ISDN-PRI.
❑ Robbed Bit

Synchronization liming

❑ Loop-Required for ISDN-PRI.
❑ Local

✶ **MODULE 3**

Service Ordered or Planned

❑ ISDN-PRI
❑ T1

Frame Format

❑ ESF - Preferred.
Required for ISDN-PRI and international data transmission.

❑ D4 - Maybe used if required by local telephone company,

Line Coding (Suppression)

❑ B8ZS - Required for ISDN-PRI.
❑ AMI-ZCS

Line Signaling Mode

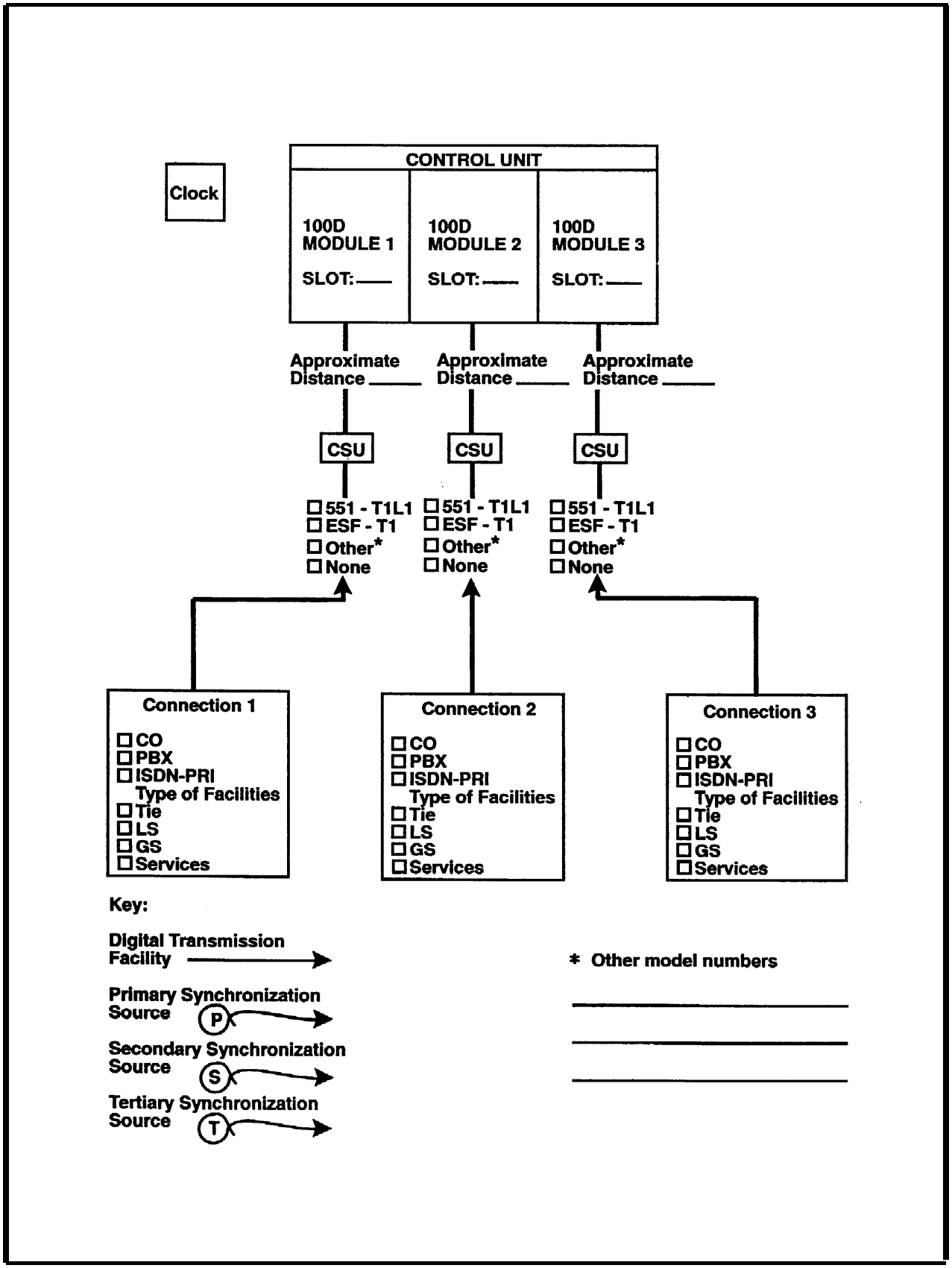
❑ Common Channel - Required for ISDN-PRI.
❑ Robbed Bit

Synchronization liming

❑ Loop-Required for ISDN-PRI.
❑ Local

✶ All fields required for presale.

Network Planning Map



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PBX System Form 3c, Continued

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 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
❑ Megacom (T1 or ISDN-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 (w/wo DNIS) (T1 or ISDN-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 (T1)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Software Defined Network (T1 or ISDN-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 Digital Service (ISDN-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
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ISDN-PRI Identification Service

✶ **Will SID/ANI be used?** ❑ No ❑ Yes, for

Incoming calls ❑ ANI ❑ ISID ❑ Both... Prefer_____ then_____

Outgoing calls ❑ ANI ❑ SID ❑ SID/ANI Privacy

Note: The DNIS service is supported only on T1 services.

Channel Service Unit

	❑	❑	❑
Mfr	AT&T	AT&T	_____
Md 1	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.

PBX System Form 3c, Continued

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 Tiunk (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 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
❑ Megacom (T1 or ISDN-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 (w/wo DNIS) (T1 or ISDN-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 T1)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Software Defined Network (T1 or ISDN-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 Digital Service (ISDN-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
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ISDN-PRI Identification Service

✶ Will SID/ANl be used? ❑ No ❑ Yes, for

Incoming calls ❑ AM ❑ SID ❑ Both...Prefer _____ then _____
Outgoing calls ❑ ANI ❑ SID ❑ SID/ANI Privacy

Note: The DNIS service is supported only on T1 services.

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&Twill not accept the responsibility for its installation, connection, or testing.

✶ Required fields for presale.

PBX System Form 3c, Continued

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 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
❑ Megacom (T1 or ISDN-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 (w/wo DNIS) (T1 or ISDN-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 (T1)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Software Defined Network (T1 or ISDN-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 Digital Service (ISDN-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
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
❑ Other	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

ISDN-PRI Identification Service

✶ Will SID/ANI be used? ❑ No ❑ Yes, for

Incoming calls ❑ IANI ❑ SID ❑ Both...Prefer _____ then _____

Outgoing calls ❑ ANI ❑ SID ❑ SID/ANI Privacy

Note: The DNIS service is supported only on T1 services.

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.

Outside Trunks — Tie

Logical ID	Trunk No.	Direction			Signaling Type								E&M Signal			Inmode		Outmode		Dial Tone		Answer Supv. Time		Disconnect Time	
					Wink ◆		Delay		Immediate		Automatic														
		TwoWay ◆	Outgoing	Incoming	In	Out	In	Out	In	Out	In	Out	1 ◆	1C	5	Touch-Tone	Rotary ◆	Touch-Tone	Rotary ◆	Remote ◆	Local	300 ◆	Other	300 ◆	Other

◆ Factory Setting

PBX System Form 3d, Continued

Logical ID	Trunk No.	Direction			Signaling Type								E&M Signal			Inmode		Outmode		Dial Tone		Answer Supv. Time		Disconnect Time	
		TwoWay✦	Outgoing	Incoming	Wink✦		Delay		Immediate		Automatic														
					In	Out	In	Out	In	Out	In	Out	1S✦	1C	5	Touch-Tone	Rotary✦	Touch-Tone	Rotary✦	Remote✦	Local	300✦	Other	300✦	Other

✦ Factory Setting

Logical ID	Trunk No.	Direction			Signaling Type								E&M Signal			Inmode		Outmode		Dial Tone		Answer Supv. Time		Disconnect Time	
					Wink✦		Delay		Immediate		Automatic														
		TwoWay✦	Outgoing	Incoming	In	Out	In	Out	In	Out	In	Out	1S✦	1C	5	Touch-Tone	Rotary✦	Touch-Tone	Rotary✦	Remote✦	Local	300✦	Other	300✦	Other

✦ Factory Setting

PBX System Form 3e

Outside Trunks — DID

Make copies for each block

Block Number (1 or 2) _____

Type

❑ Wink-start ✦
❑ Immediate-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

2 Trunks included in Block

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

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

✦ Factory Setting

PBX System Form 4a

Analog Multiline Telephone

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

Logical ID _____ Extension No. _____ Person or Location _____

Station Jack Pair

- ❑ Voice Announce to Busy (voice/voice)
- ❑ Simultaneous Voice and Data (voice/data)
  Even-numbered jack
  Logical ID _____ Ext. No. _____

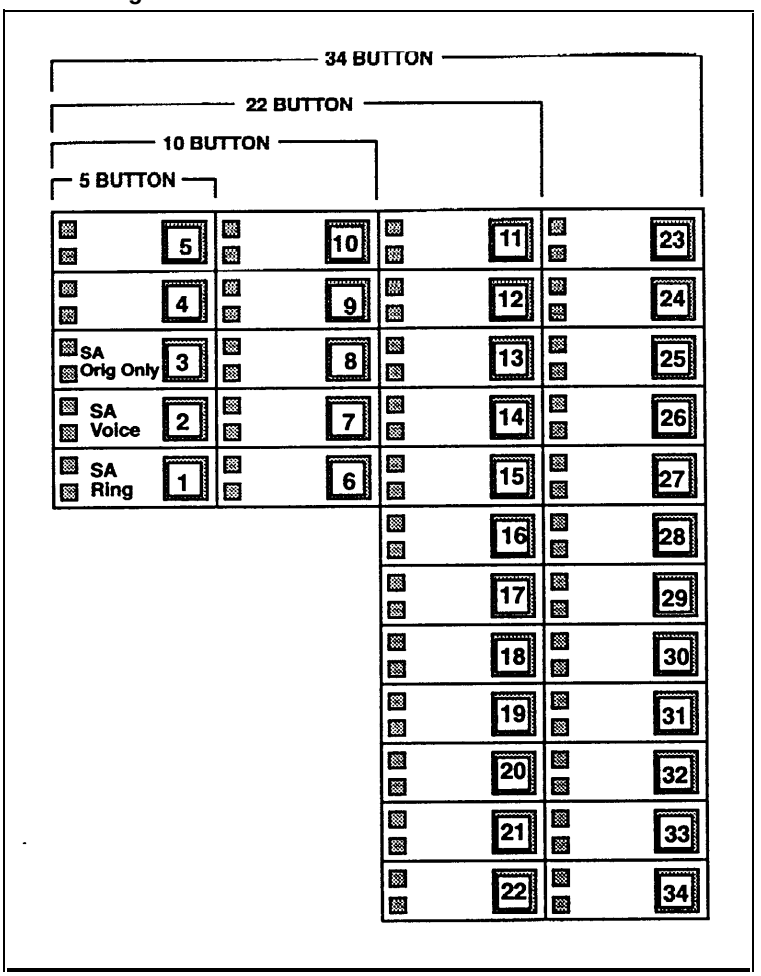
Telephone Model

- ❑ MLC-5
- ❑ BIS-10
- ❑ BIS-22
- ❑ BIS-22D
- ❑ BIS-34
- ❑ 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
- ❑ Other _____

Button Diagram



Optional Features

Pool Dial-Out Code Restriction

- ❑ Yes, dial-out codes
  _____
  _____

Call Restriction

- ❑ Unrestricted ✦
- ❑ Outward Restrict
- ❑ Toll Restrict

Forced Account Code Entry

- ❑ No ✦
- ❑ Yes

Remote Call Forward

- ❑ Not allowed ✦
- ❑ Allowed

Principal User of Personal Line
Trunk No. (801-880) _____
Tel. No._____

Message-Waiting Receiver

- ❑ Fax machine at Extension No. _____

Individual Coverage Receivers

Primary receivers
_____ ____
_____ ____

Secondary receivers
_____ ____
_____ ____

Group Coverage

- ❑ No ✦
- ❑ Group No. _____

Facility Restriction Level

- ❑ 3 ✦
- ❑ ____ (0 - 2 , 4 - 6)

✦ Factory Setting

PBX System Form 4b

Digital/ISDN (MLX) Telephone

Make a copy of this form for each telephone.

Logical ID _____ Extension No. _____ Person or Location _____

Telephone Model

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

Adjuncts

- ❑ Headset
- ❑ Hearing-impaired handset
- ❑ Noisy environment
- ❑ Multi-Function Module (MFM) Extension No. _____
  - ❑ Fax machine
  - ❑ Answering machine
  - ❑ Data terminal
  - ❑ Alert device, type _____
  - ❑ Other _____

Optional Features

Pool Dial-Out Code Restriction

- ❑ Yes, dial-out codes

_____

_____

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Microphone Operation

- ❑ Enable ✥
- ❑ Disable

Remote Call Forward

- ❑ Not allowed ✥
- ❑ Allowed

Principal User of Personal Line

Trunk No. (801-880) _____

Tel. No. _____

Message-Waiting Receiver

- ❑ Fax machine at Ext. No. _____

Individual Coverage Receivers

Primary receivers

_____

_____

Secondary receivers

_____

_____

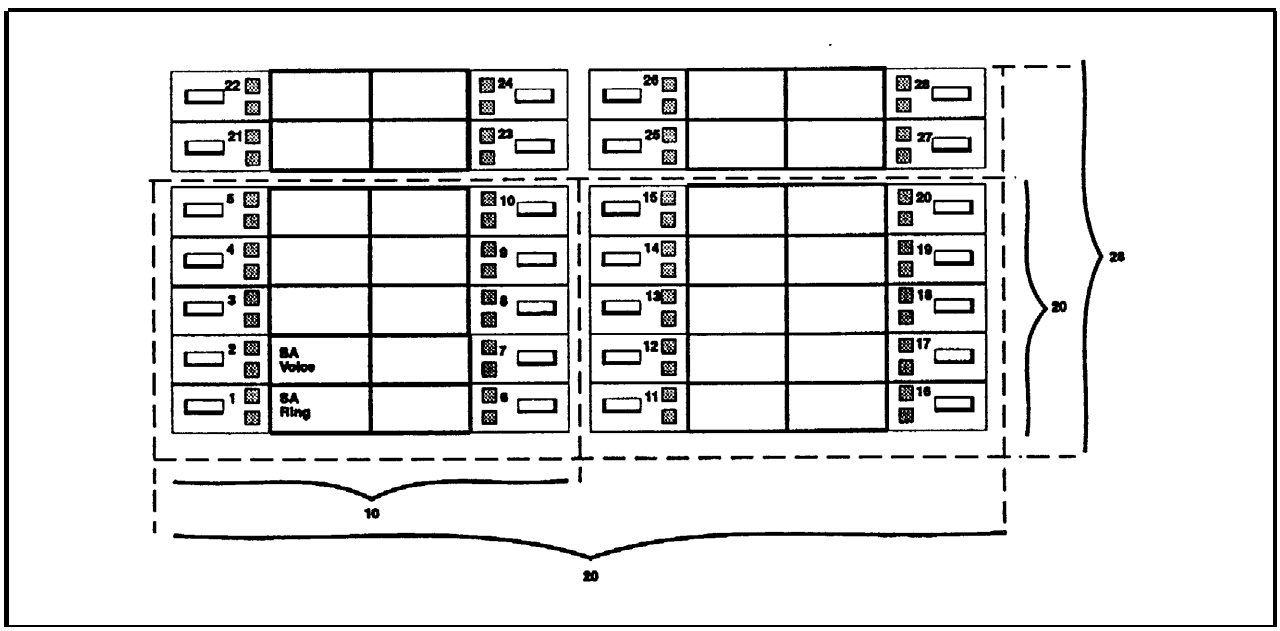
Group Coverage

- ❑ No ✥
- ❑ Group No. _____

Facility Restriction Level

- ❑ 3 ✥
- ❑ _____ (0-2, 4-6)

Button Diagram



✥ Factory Setting

PBX System Form 4b, Continued

MFM Adjunct

Extension No._____ Person or Location_____

Adjuncts

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

Button Diagram

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

Optional Features

Pool Dial-Out Code Restriction

❑ Yes, dial-out codes
____ ____ ____ ____
____ ____ ____ ____

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict
  (If designated as delay announcement, outward restrict)

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Remote Call Forward

- ❑ Not allowed ✥
- ❑ Allowed

Principal User of Personal Line

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

Centralized Programming Requirements

- ❑ Disable Voice /renounce
- ❑ 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

Fax Machine Features

Fax Machine Receiver
- ❑ No ✥
- ❑ Extension No._____

Fax Message Threshold
- ❑ 10 seconds ✥
- ❑ _____ seconds (0-9, 11-30)

Facility Restrictional Level_____

- ❑ 3 ✥
- ❑ _____(0-2,4-6)

✥ Factory Setting

PBX System Form 4c

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

Optional Features

Pool Dial-Out Code Restriction

- ❑ Yes, dial-out codes
  _____
  _____

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict
  (If designated as delay announcement, outward restrict)

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Remote Call Forward

- ❑ Not allowed ✥
- ❑ Allowed

Principal User of Personal Line

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

Button Diagram

5	10
4	9
3	8
2 **SA Ring**	7
1 **SA Ring**	6

Fax Machine Features

Fax Message Receiver

- ❑ No ✥
- ❑ Ext. No. _____

Fax Message Threshold

- ❑ 10 seconds ✥
- ❑ _____ seconds (0-9, 11-30)

Individual Coverage Receivers

Primary receivers
_____
_____

Secondary receivers
_____
_____

Message-Waiting Receiver

- ❑ Fax machine at Ext. No. _____

Facility Restriction Level

- ❑ 3 ✥
- ❑ _____ (0-2,4-6)

✥ Factory Setting

PBX System Form 5a

Direct-Line Console (DLC) - Analog

Make a copy of this form for each telephone

Logical ID _____ Extension No. _____ Person or Location _____

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 _____

Optional Features

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Remote Call Forward

- ❑ Not allowed ✥
- ❑ Allowed

Principal User of Personal Line

Line Number (801-880) _____
Telephone No. _____

Message-Waiting Receiver

- ❑ Fax machine at Ext. No, _____

Individual Coverage Receivers

Primary receivers

_____ _____ _____ _____
_____ _____ _____ _____

Secondary receivers

_____ _____ _____ _____
_____ _____ _____ _____

Group Coverage

- ❑ No ✥
- ❑ Group No. _____

Extension Status

- ❑ No ✥
- ❑ Yes

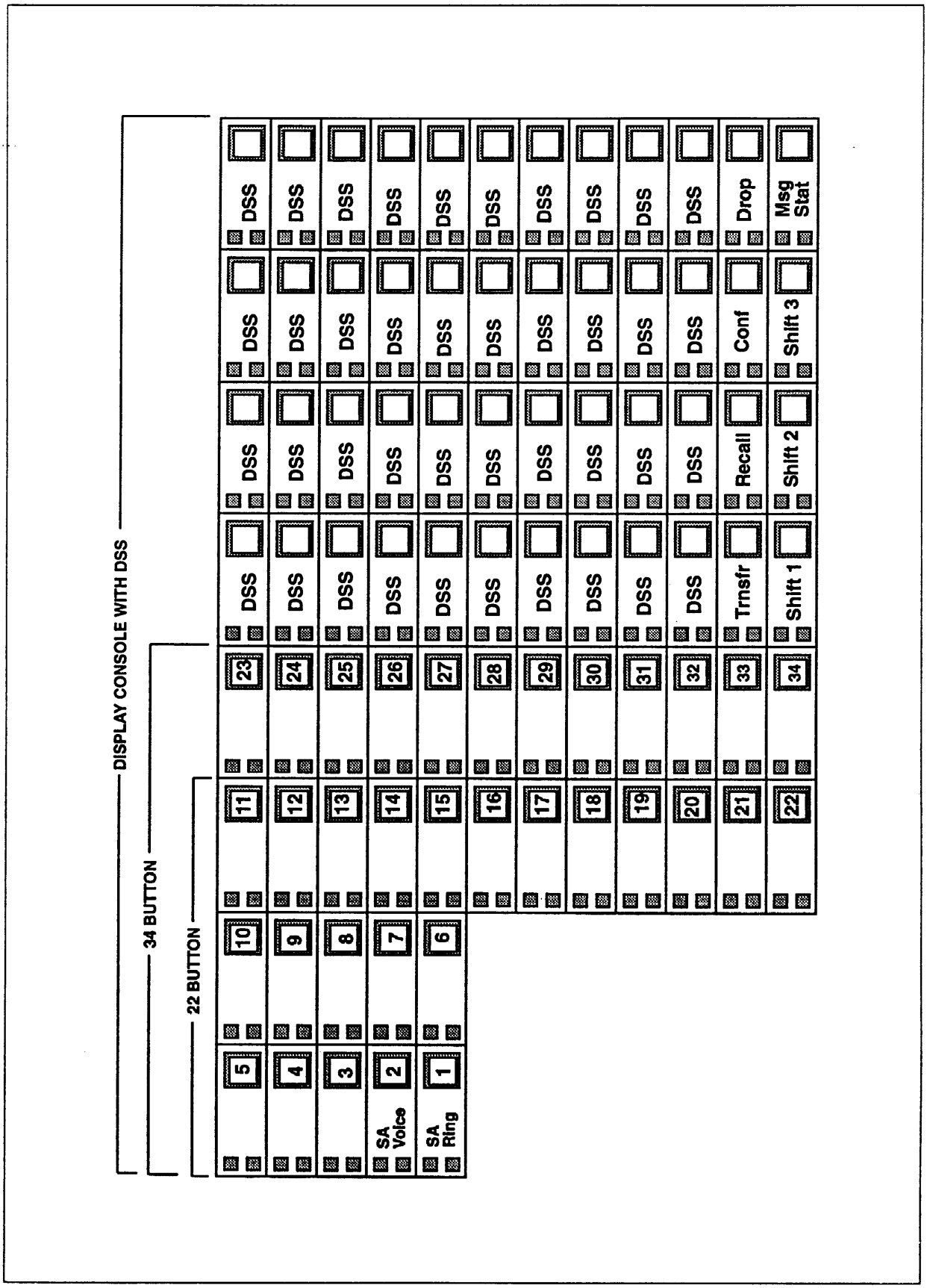
Facility Restriction Level

- ❑ 3 ✥
- ❑ _____ (0-2, 4-6)

See back for button diagram

✥ Factory Setting

Button Diagram



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

PBX System Form 5b

Direct-Line Console (DLC) — Digital/ISDN

Make a copy of this form for each console.

Logical ID _____ Extension No. _____ Person or Location _____

Console Model

- ❑ MLX-20L™
- ❑ MLX-28D™

- ❑ 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

Optional Features

Pool Dial-Out Code Restriction

- ❑ Yes, dial-out codes

  ____ ____ ____ ____

  ____ ____ ____ ____

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Microphone Operation

- ❑ Enable ✥
- ❑ Disable

Remote Call Forward

- ❑ Not allowed ✥
- ❑ Allowed

Principal User of Personal Line

Trunk No. (801-880)_____

Tel. No. _____

Message-Waiting Receiver

- ❑ Fax machine at Ext. No. _____

Individual Coverage Receivers

Primary receivers

____ ____ ____ ____

____ ____ ____ ____

Secondary receivers

____ ____ ____ ____

____ ____ ____ ____

Group Coverage

- ❑ No ✥
- ❑ Group No._____

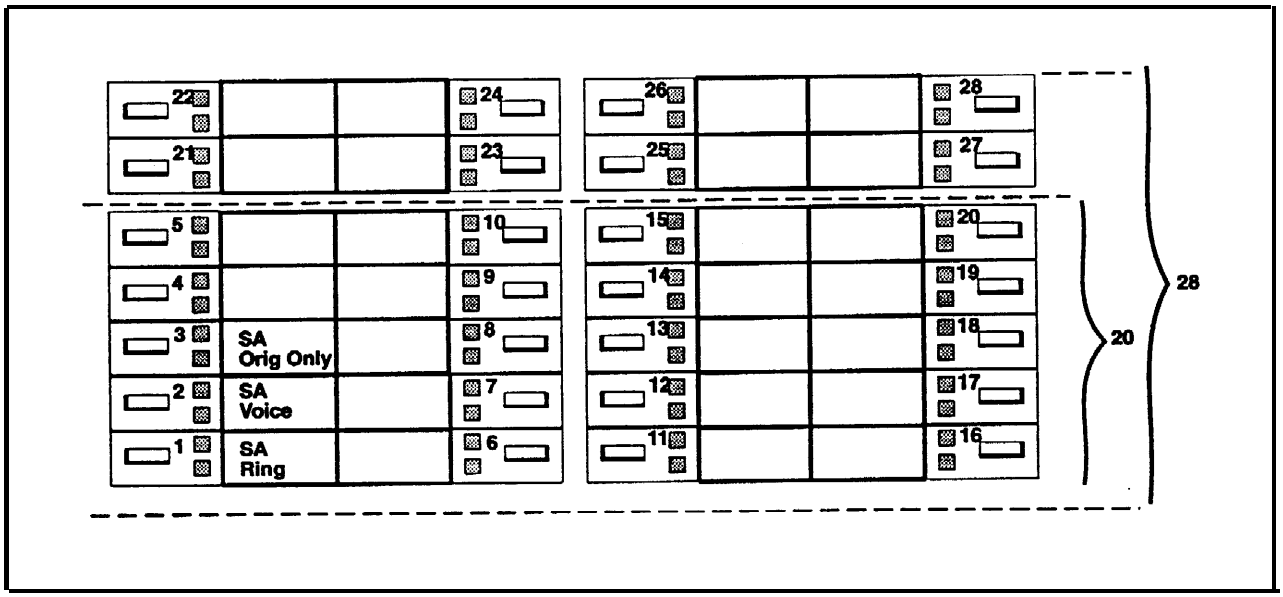
Extension Status

- ❑ No ✥
- ❑ Yes

Facility Restriction Level

- ❑ 3 ✥
- ❑ ____(0-2,4-6)

Button Diagram



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

✥ Factory Setting

PBX System Form 5b, Continued

MFM Adjunct

Extension No. _____ Person or Location _____

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 _____

Optional Features

Pool Dial-Out Code Restriction

Yes, dial-out codes

_____ _____ _____ _____
_____ _____ _____ _____

Call Restriction

- ❑ Unrestricted ✦
- ❑ Outward Restrict
- ❑ Toll Restrict
  (If designated as delay announcement, outward restrict)

Forced Account Code Entry

- ❑ No ✦
- ❑ Yes

Remote Call Forward

- ❑ Not allowed ✦
- ❑ Allowed

Principal User of Personal Line

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

Fax Machine Features

Fax Machine Receiver

- ❑ No ✦
- ❑ Extension No. _____

Fax Message Threshold

- ❑ 10 seconds ✦
- ❑ _____ seconds (0-9, 11-30)

Facility Restrictional Level

- ❑ 3 ✦
- ❑ _____ (0-2,4-6)

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

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.

✦ Factory Setting

PBX System Form 5c

Queued Call Console (QCC)

Make a copy of this form for each telephone.

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

Optional Features

Pool Dial-Out Code Restriction

- ❑ Yes, dial-out code

_____ _____ _____ _____
_____ _____ _____ _____

Call Restriction

- ❑ Unrestricted ✥
- ❑ Outward Restrict
- ❑ Toll Restrict

Forced Account Code Entry

- ❑ No ✥
- ❑ Yes

Microphone Operation

- ❑ Enable ✥
- ❑ Disable

Message-Waiting Indication Receiver

- ❑ Fax machine at Ext. No. _____

Extension Status

- ❑ No ✥
- ❑ Yes

Facility Restriction Level_____

Button Diagram

5	CALL 5	POS BUSY	10	15	ALARM	FCD REL	20
4	CALL 4	SND/RMV MSG	9	14	NIGHT SERV	POOL STAT	19
3	CALL 3	HEAD MUTE	8	13	HEAD STAT	HEAD AA	18
2	CALL 2	SOURCE	7	12	DEST	JOIN	17
1	CALL 1	START	6	11	RELEASE	CANCEL	16

✥ Factory Setting

PBX System Form 6a

Optional Operator Features

Direct-Line Console

Operator Hold Timer

- ❑ 60 seconds ✥
- ❑ _____seconds (10-59, 61-255)

DLG 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. _____ _____ _____ _____

Message Center

- ❑ No
- ❑ Operator Extension No. _____

Extended Call Completion

- ❑ Automatic completion ✥
- ❑ Manual completion

Return Ring

- ❑ 4 rings ✥
- ❑ _____ rings (1-15)

Position Busy Backup

- ❑ No ✥
- ❑ Extension no. of calling group backup _____

Operator Hold Timer

- ❑ 60 seconds ✥
- ❑ _____ seconds (10-59, 61-255)

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		

✥ Factory Setting

Call Types, Continued

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		

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 foreach 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

PBX System Form 6b

Call Pickup Groups

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

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

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

PBX System Form 6b, Continued

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

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

PBX 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		

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		

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		

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		

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		

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		

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

PBX System Form 6d

Group Coverage

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

Coverage Delay Interval

- ❑ 3 rings ❖
- ❑ _____ rings (1–2, 4–9)

Delayed Ring Interval

- ❑ 2 rings ❖
- ❑ _____ rings (1, 3-6)

Group No. _____ Sender Extension Nos.	Group No. _____ Sender Extension Nos.	Group No. _____ Sender Extension Nos.	Group No. _____ Sender Extension Nos.
↓	↓	↓	↓
Receivers* Extension Nos.	Receivers* Extension Nos.	Receivers* Extension Nos.	Receivers* Extension Nos.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
QCC queue	QCC queue	QCC queue	QCC queue

* A maximum of 8 multiline telephones can be used as receivers, The QCC queue can also be receiver, 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.

❖ Factory Setting

PBX System Form 6d, Continued

Group No. ______ Sender Extension Nos.	Group No. ______ Sender Extension Nos.	Group No. ______ Sender Extension Nos.	Group No. ______ Sender Extension Nos.

↓ ↓ ↓ ↓

Receivers* Extension Nos.	Receivers* Extension Nos.	Receivers* Extension Nos.	Receivers* Extension Nos.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
QCC queue	QCC queue	QCC queue	QCC queue

* A maximum of 8 multiline telephones can be used as receivers. The QCC queue can also be a receiver, 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.

PBX System Form 6e

Group Calling

Maximum: 32 groups. *(Make a copy of this form for each group.)*

Group No. (1-32) _____ **Group ID** _____

Factory-Set Ext. No. _____ **Renumber To** _____

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

Logical ID	Trunk No.	Logical ID	Trunk No.	Logical ID	Trunk No.	Logical ID	Trunk No.
1		21		41		61	
2		22		42		62	
3		23		43		63	
4		24		44		64	
5		25		45		65	
6		26		46		66	
7		27		47		67	
8		28		48		68	
9		29		49		69	
10		30		50		70	
11		31		51		71	
12		32		52		72	
13		33		53		73	
14		34		54		74	
15		35		55		75	
16		36		56		76	
17		37		57		77	
18		38		58		78	
19		39		59		79	
20		40		60		80	

PBX System Form 6e, Continued

Group No. _____

Group ID _____

Calling Group Options

Hunt Type

❑ Circular ✦

❑ Linear

Delay Announcement

❑ No ✦

❑ Extension No. _____

Message-Waiting Receiver

❑ No ✦

❑ Extension No. _____

Calls-in-Queue Alarm Threshold

❑ 1 call ✦

❑ _____calls (2-99)

External Alert for Calls-in-Queue Alarm

❑ No

❑ Extension No. _____

Overflow Coverage

❑ No ✦

❑ Calling Group No. _____

❑ QCC queue

Overflow Threshold

❑ 1 call ✦

❑ _____calls (2-99)

Group Type

❑ Auto Logout ✦

❑ Auto Login

❑ Integrated VMI

❑ Generic VMI

✦ Factory Setting

PBX System Form 6f

System Features

Transfer Options

Return Time Interval

- ❑ 4 rings ✥
- ❑ 0 rings
- ❑ _____ rings (1 - 3, 5 - 9)

One-Touch Call Handling

- ❑ One-Touch Transfer ✥
  - ❑ Automatic Completion ✥
  - ❑ Manual Completion
- ❑ One-Touch Hold

Transfer Audible

- ❑ Music-on-Hold ✥
- ❑ Ringback

Type of Transfer

- ❑ Ring button ✥
- ❑ Voice button

Camp-On Return Time

- ❑ 90 seconds ✥
- ❑ _____ seconds (30 - 89, 91 - 300)

Call Park Return Time

- ❑ 180 seconds ✥
- ❑ _____ seconds (30 - 179, 181- 300)

Automatic Callback Interval

- ❑ 3 rings ✥
- ❑ _____ rings (1 - 2, 4 - 6)

Extension Status

- ❑ Assign to operator positions

  _____ _____ _____ _____

  _____ _____ _____ _____
- ❑ Group Calling/CMS ✥
- ❑ Hotel

SMDR Options

Call Report Format

- ❑ Basic ✥
- ❑ ISDN

Call Length

- ❑ 40 seconds ✥
- ❑ _____ seconds (0 - 39, 41 - 255)

Calls Reported

- ❑ Incoming and outgoing ✥
- ❑ Outgoing only

Inside Dial Tone

- ❑ Inside ✥
- ❑ Outside

Reminder Service Cancel

- ❑ No
- ❑ _____ time of day

Calls to Unassigned Extensions

- ❑ QCC, Ext. No. _____
- ❑ Primary Operator ✥
- ❑ Another extension, Ext. No. _____
- ❑ Calling Group, Ext. No. _____

Note: If you use equipment that rebroadcasts music or other copyrighted matierial, 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

PBX System Form 6g

Allowed Lists

List 1 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 2 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 3 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 4 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Allow To Ext. Nos.

Allow To Ext. Nos.

Allow To Ext. Nos.

Allow To Ext. Nos.

PBX System Form 6g, Continued

List 5 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 6 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 7 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 8 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Allow To Ext. Nos.

Allow To Ext. Nos.

Allow To Ext. Nos.

Allow To Ext. Nos.

PBX System Form 6h

Disallowed Lists

List 1 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 2 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 3 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Disallow To Ext. Nos.

Disallow To Ext. Nos.

Disallow To Ext. Nos.

PBX System Form 6h, Continued

List 4 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 5 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 6 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Disallow To Ext. Nos.

Disallow To Ext. Nos.

Disallow To Ext. Nos.

PBX System Form 6h, Continued

List 7 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

List 8 _____	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Disallow To Ext. Nos.

Disallow To Ext. Nos.

PBX System Form 7a

Night Service — Group Assignment

Operator Ext. No. ______		Operator Ext. No. ______		Operator Ext. No. ______		Operator Ext. No. ______	
Ext. No.	Name	Ext. No.	Name	Ext. No.	Name	Ext. No.	Name

PBX System Form 7a, Continued

Operator Ext. No. ______		Operator Ext. No. ______		Operator Ext. No. ______		Operator Ext. No. ______	
Ext. No.	Name	Ext. No.	Name	Ext. No.	Name	Ext. No.	Name

PBX System Form 7b

Night Service — Outward Restriction

Password _____ (To keep your 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

PBX System Form 7b, Continued

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

PBX System Form 7c

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

PBX System Form 8a

Label Form — Trunks

Trunk No.	Label (7 characters maximum)	Trunk No.	Label (7 characters maximum)
801		841	
802		842	
803		843	
804		844	
805		845	
806		846	
807		847	
808		848	
809		849	
810		850	
811		851	
812		852	
813		853	
814		854	
815		855	
816		856	
817		857	
818		858	
819		859	
820		860	
821		861	
822		862	
823		863	
824		864	
825		865	
826		866	
827		867	
828		868	
829		869	
830		870	
831		871	
832		872	
833		873	
834		874	
835		875	
836		876	
837		877	
838		878	
839		879	
840		880	

PBX System Form 8b

Label Form — Stations and Calling Groups

Ext. No.	Label (7 characters maximum)	Ext. No.	Label (7 characters maximum)	Ext. No.	Label (7 characters maximum)

PBX System Form 8b, Continued

Ext. No.	Label (7 characters maximum)	Ext. No.	Label (7 characters maximum)	Ext. No.	Label (7 characters maximum)

PBX System Form 8c

Label Form — Posted Message

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

System Speed Dial and System Directory

Dial Code	Display Yes ◆	Display No	Telephone Number (40 digits maximum)	Labels (11 characters maximum)
#600				
#601				
#602				
#603				
#604				
#605				
#606				
#607				
#608				
#609				
#610				
#611				
#612				
#613				
#614				
#615				
#616				
#617				
#618				
#619				
#620				
#621				
#622				
#623				
#624				
#625				

◆ Factory Setting

Dial Code	Display Yes✦	Display No	Telephone Number (40 digits maximum)	Labels (11 characters maximum)
#626				
#627				
#628				
#629				
#630				
#631				
#632				
#633				
#634				
#635				
#636				
#637				
#638				
#639				
#640				
#641				
#642				
#643				
#644				
#645				
#646				
#647				
#648				
#649				
#650				
#651				

✦ Factory Setting

Dial Code	Display Yes ✦	Display No	Telephone Number (40 digits maximum)	Labels (11 characters maximum)
#652				
#653				
#654				
#655				
#656				
#657				
#658				
#659				
#660				
#661				
#662				
#663				
#664				
#665				
#666				
#667				
#668				
#669				
#670				
#671				
#672				
#673				
#674				
#675				
#676				

✦ Factory Setting

Dial Code	Display Yes ✦	Display No	Telephone Number (40 digits maximum)	Labels (11 characters maximum)
#677				
#678				
#679				
#680				
#681				
#682				
#683				
#684				
#685				
#686				
#687				
#688				
#689				
#690				
#691				
#692				
#693				
#694				
#695				
#696				
#697				
#698				
#699				
#700				
#701				
#702				

✦ Factory Setting

Dial Code	Display Yes✦	Display No	Telephone Number (40 digits maximum)	Labels (11 characters maximum)
#703				
#704				
#705				
#706				
#707				
#708				
#709				
#710				
#711				
#712				
#713				
#714				
#715				
#716				
#717				
#718				
#719				
#720				
#721				
#722				
#723				
#724				
#725				
#726				
#727				
#728				
#729				

✦ Factory Setting

PBX System Form 9a

Automatic Route Selection Worksheet

Number of exchanges in your calling area _____

Trunk Pool No.	Trunk Type	Type of Dial*	Number of Area Codes or Exchanges for which Trunk Pool is Used

* T = Toll, L = Local

Preferred trunk pool for toll calls (Table 17) _____

Preferred trunk pool for local calls (Table 18) _____

PBX System Form 9b

Automatic Route Selection Tables

Maximum: 16 Tables. *Make copy for each table.*

Table No. _____

Type of Table

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

Area Code/Exchanges

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

Subpattern A Time of Day _____

Pool	FRL ✦	Other Digits	Absorb
1			1
2			2
3			3
4			4
5			5
6			6

Subpattern B Time of Day _____

Pool	FRL ✦	Other Digits	Absorb
1			1
2			2
3			3
4			4
5			5
6			6

✦ Factory setting.
FRL setting is 3.

PBX System Form 9b, Continued

Table No. _____

Type of Table

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

Area Code/Exchanges

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

Subpattern A Time of Day _____

Pool	FRL ✦	Other Digits	Absorb
1			1
2			2
3			3
4			4
5			5
6			6

Subpattern B Time of Day _____

Pool	FRL ✦	Other Digits	Absorb
1			1
2			2
3			3
4			4
5			5
6			6

✦ Factory setting.
FRL setting is 3.

Automatic Route Selection Default and Special Numbers Table

Table 17: Default Toll Table

Subpattern A Time of Day _____ **Subpattern B Time of Day** _____

Pool	FRL ✥	Other Digits	Absorb	Pool	FRL ✥	Other Digits	Absorb
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 ✥	Other Digits	Absorb	Pool	FRL ✥	Other Digits	Absorb
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 ✥	Other Digits
1		

Table 20:N11 (411, 611, 811, 911)

Pool*	FRL ✥	Other Digits
1		

✥ Factory setting for FRL is 3.
* Always set to first pool in system, cannot be changed.