ATTENDANT EQUIPMENT

1- AND 2-TYPE TELEPHONE CONSOLE WITH SWITCHED LOOP TERMINATION

METHOD OF OPERATION

NO. 5 CROSSBAR CENTREX CO

ARRANGED FOR PHASE III CENTREX

1. GENERAL

1.01 This section covers the method of operating 1- and 2-type telephone consoles with switched loop termination when used as the attendant position in No. 5 crossbar offices arranged for Phase III centrex.

1.02 When initiating calls in Tables B through M, usage (PEG) registers associated with the attendant trunks, auxiliary trunks, and attendant access trunks will score. The reporting of these register operations should be made in accordance with local instructions.

2. METHOD OF OPERATION

2.01 When operational tests of the 1- and 2-type consoles are made it will be necessary to remove the customer position from service. When the console is being tested, test lines, test desk, etc, should be employed to establish the necessary conditions for test.

> *CAUTION: Care should be exercised when removing equipment from service during busy periods, to prevent adverse customer reactions.*

2.02 The telephone console is equipped with nonlocking trunk pickup keys (TRK) and the following nonlocking common control keys: start in (STI), start out (STO), end (END), position available (PA RLS), out line (OUT LINE), supervisor (SUPV), exclude source (EXCL SRC), exclude destination (EXCL DEST), hold (HOLD), signal source (SIG SRC), conference (CON-), signal destination (SIG DEST), release destination (RLS DEST), and release source (RLS SRC). The following are turn button keys: buzzer on (BZ ON), buzzer volume control (BZ VOL), night (NITE), and position busy (POS BSY). The position busy key makes the position busy to switched loop calls. It will not make busy the out line, auxiliary outgoing trunks, conference circuits, or the attendant access trunks. The conference circuit is made busy at the console by removing the headset or equivalent from the telephone jacks.

2.03 Index for Tables:

TABLE A

LEGEND	
KEY OPERATION	**LAMP OPERATION**
R Released	◯ Steadily Lighted
O Operated	● Dark
MO Momentarily Operated	(30) Flashing — 30 ipm
	(60) Flashing — 60 ipm
	(120) Flashing — 120 ipm

TABLE B
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	REMARKS
		CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE KEYS											LAMPS				ATND TRK			RESULTS REMARKS
Incoming Call																			
1	Idle condition												○	●			●	●	●	
2	Incoming LDN call												●	●			●	(60)	●	Audible signal sounded
3	Atnd answers	MO											●	●			○	○	●	2-way conversation — atnd, customer
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Release After Station Answers																			
4	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
5	Atnd dials centrex station			MO									●	●			○	○	●	Ringing tone heard
6	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
7	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Release Before Station Answers																			
8	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
9	Atnd dials centrex station			MO									●	●			○	○	●	Ringing tone heard
10	Atnd releases											MO	○	●			●	○	●	Console idle
11	Centrex station answers												○	●			●	(*)	(*)	*In 2 to 4 seconds, lamps extinguished

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	CONDITION 1- AND 2-TYPE TELEPHONE CONSOLE KEYS											LAMPS				ATND TRK			REMARKS
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	
Call Extended to Idle Station Outside Customer Group (STO) Basis — Attendant Release After Station Answers																				
12	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
13	Atnd dials access code												●	○			○	○	●	Dial tone heard
14	Atnd dials outside customer			MO									●	●			○	○	○	Ringing tone heard
15	Outside customer answers												●	●			○	○	○	3-way conversation — atnd, incoming customer, outside customer
16	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Outside Customer Group (STO) Basis — Attendant Release Before Station Answers																				
17	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
18	Atnd dials access code												●	○			○	○	●	Dial tone heard
19	Atnd dials outside customer			MO									●	●			○	○	○	Ringing tone heard
20	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Release After Station Answers																				
21	Dial tone connection				MO								●	○			○	○	●	Dial tone heard

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
22	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
23	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
24	Atnd releases											MO	○	●			●	*	*	Console and trunk idle
																				*In 2 to 4 seconds, lamps extinguished

Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Release Before Station Answers

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
25	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
26	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
27	Atnd releases											MO	○	●			●	○	(30)	Console idle
28	Centrex station answers												○	●			●	*	*	Trunk idle
																				*In 2 to 4 seconds, lamps extinguished

Call Extended to Busy Station Within Customer Group (STO) Basis

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
29	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
30	Atnd dials busy centrex station			MO									●	●			○	○	○	Busy tone heard
31	Atnd releases busy centrex station						MO						●	●			○	○	●	2-way conversation — atnd, customer

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	CONDITION 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS											CONDITION — LAMPS				ATND TRK			RESULTS REMARKS
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	
32	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Busy Station Within Customer Group (STI) Basis																			
33	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
34	Atnd dials busy centrex station			MO									●	●			○	○	(60)	Busy tone heard
35	Atnd releases busy centrex station					MO							●	●			○	○	●	2-way conversation — atnd, customer
36	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Holds Connection — Customer and Centrex Station Release																			
37	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
38	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
39	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
40	Atnd holds trunk						MO						●	●			(30)	○	○	
41	Atnd releases											MO	○	●			(30)	○	○	Console idle
42	Customer and centrex station release												○	●			●	●	●	Trunk idle

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
													CONDITION — LAMPS							RESULTS

Attendant Holds Trunk — Attempts to Re-enter Connection — Lockout Not Provided

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS (lamp)	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	REMARKS
43	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
44	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
45	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, incoming customer, centrex station
46	Atnd holds trunk						MO						●	●			(30)	○	○	
47	Atnd releases											MO	○	●			(30)	○	○	Console idle
48	Atnd re-enters connection	MO											●	●			○	○	○	3-way conversation — atnd, incoming customer, centrex station
49	Atnd releases											MO	○	●			●	(*)	(*)	Console and trunk idle *In 2 to 4 seconds, lamps extinguished

Attendant Holds Trunk — Attempts to Re-enter Connection — Lockout Provided

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS (lamp)	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	REMARKS
50	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
51	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
52	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, incoming customer, centrex station
53	Atnd holds trunk						MO						●	●			(30)	○	○	

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

Legend: ● = lamp lit · ○ = lamp dark · (30) = trunk-timing lamp · * = see remark · MO = key operated

STEP	ACTION	KEYS TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	LAMPS PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
54	Atnd releases											MO	○	●			(30)	○	○	Console idle
55	Atnd attempts to re-enter connection	MO											●	●			○	○	●	Atnd cannot re-enter connection
56	Atnd holds trunk						MO						●	●			(30)	○	○	
57	Atnd releases											MO	○	●			(30)	○	○	Console idle
58	Incoming customer and centrex station release												○	●			●	*	*	Trunk idle *In 2 to 4 seconds, lamps extinguished
	Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Excludes Source and Destination																			
59	Atnd excludes customer							MO					●	●	○	●	○	○	●	Customer excluded
60	Dial tone connection		MO										●	○	○	●	○	○	●	Dial tone heard
61	Atnd dials centrex station			MO									●	●	○	●	○	○	●	Ringing tone heard
62	Centrex station answers												●	●	○	●	○	○	○	2-way conversation — atnd, centrex station
63	Atnd excludes centrex station								MO				●	●	●	○	○	○	○	2-way conversation — atnd, customer
64	Atnd removes exclusion	MO											●	●	●	●	○	○	○	3-way conversation — atnd, customer, centrex station

STEP	ACTION		1- AND 2-TYPE TELEPHONE CONSOLE																	REMARKS
		KEYS											LAMPS							
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST	
65	Atnd releases											MO	○	●	●	●	●	*	*	Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Intercepted Station Within Customer Group (STO) Basis																				
66	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
67	Atnd dials centrex station			MO									●	●			○	○	●	Recorded announcement heard
68	Atnd releases recorded announcement						MO						●	●			○	○	●	2-way conversation — atnd, customer
69	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle
Call Extended to Intercepted Station Within Customer Group (STI) Basis																				
70	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
71	Atnd dials centrex station			MO									●	●			○	○	●	Recorded announcement heard
72	Atnd releases recorded announcement					MO							●	●			○	○	●	2-way conversation — atnd, customer
73	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Holds Connection — Destination Recalls Attendant																				
74	Dial tone connection		MO										●	○			○	○	●	Dial tone heard

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST	REMARKS
		CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS											**LAMPS**							**RESULTS**
75	Atnd dials centrex station			MO									●	●			○	○	●	Ringing tone heard
76	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
77	Atnd holds trunk						MO						●	●			(30)	○	○	
78	Atnd releases											MO	○	●			(30)	○	○	Console idle
																				2-way conversation — customer, centrex station
79	Centrex station recalls atnd by flashing switch hook												●	●			(30)	○	(120)	Audible signal sounded
80	Atnd re-enters connection	MO											●	●			○	○	○	3-way conversation — atnd, customer, centrex station
81	Atnd releases											MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Holds Connection — Destination Recalls Attendant																				
82	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
83	Atnd dials centrex station			MO									●	●			○	○	(30)	Ringing tone heard
84	Station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station

TABLE B (Cont)

INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS											RESULTS — LAMPS				ATND TRK			REMARKS
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	
85	Atnd holds trunk						MO						●	●			(30)	○	○	
86	Atnd releases											MO	○	●			(30)	○	○	Console idle
87	Centrex station recalls atnd by flashing switch hook												●	●			(30)	○	(120)	Audible signal sounded
88	Atnd re-enters connection	MO											●	●			○	○	○	3-way conversation — atnd, customer, centrex station
89	Atnd releases											MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STO) Basis — Destination Recalls Attendant																				
90	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
91	Atnd dials centrex station			MO									●	●			○	○	●	Ringing tone heard
92	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
93	Atnd releases											MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
94	Outside customer recalls atnd by flashing switch hook												●	●			●	○	(120)	Audible signal sounded

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS											LAMPS				ATND TRK			RESULTS — REMARKS
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	
95	Atnd re-enters connection	MO											●	●			○	○	○	3-way conversation — atnd, customer, centrex station
96	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished
Incoming Central Office Operator Completed Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Recalls Operator																				
97	Dial tone connection	MO											●	○			○	○	●	Dial tone heard
98	Atnd dials centrex station		MO										●	●			○	○	●	Ringing tone heard
99	Centrex station answers												●	●			○	○	○	3-way conversation — atnd, customer, centrex station
100	Atnd recalls CO operator									MO			●	●			○	○	○	Supervisory cord lamp at CO operator position flashes with operation and release of SIG SRC key by atnd
101	CO operator re-enters connection												●	●			○	○	○	4-way conversation — atnd, customer, CO operator, centrex station
102	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished

INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

S T E P	ACTION	TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	ATND TRK — SRC	ATND TRK — DEST	REMARKS
Call Extended To Toll Operator Outside Customer Group (STO) Basis — Attendant Recalls Operator																				
103	Dial tone connection		MO										●	○	●		○	○	●	Dial tone heard
104	Atnd dials access code												●	○	●		○	○	●	Dial tone heard
105	Atnd dials toll operator			MO									●	●	●		○	○	○	Ringing tone heard
106	Toll operator answers												●	●	●		○	○	○	3-way conversation — atnd, customer, toll operator
107	Toll operator completes call and releases from connection												●	●	●		○	○	○	3-way conversation — atnd, calling customer, called customer
108	Atnd recalls toll operator										MO		●	●	●		○	○	○	Supervisory cord lamp at toll operator position flashes with operation and release of SIG DEST key by atnd
109	Toll operator re-enters connection												●	●	●		○	○	○	4-way conversation — atnd, calling customer, toll operator, called customer
110	Atnd releases											MO	○	●	●		●	*	*	Console idle
																				*In 2 to 4 seconds, lamps extinguished

TABLE B (Cont)
INCOMING CALL — LISTED DIRECTORY NUMBER (LDN) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE																		RESULTS — REMARKS
		KEYS											LAMPS							
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	SRC	DEST	
	Call Extended to Auxiliary Outgoing Trunk — Distant Office Tie Trunk Line Link Frame Terminated																			
111	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
112	Atnd dials 1XX auxiliary outgoing trunk access code												●	○			○	○	●	2nd dial tone heard
113	Atnd dials distant station			MO									●	●			○	○	○	Ringing tone heard
114	Distant station answers												●	●			○	○	○	3-way conversation — atnd, customer, distant station
115	Atnd releases											MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
	Call Extended to Auxiliary Outgoing Trunk — Distant Office Tie Trunk Terminated at PBX Operator or Attendant Position																			
116	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
117	Atnd dials 1XX auxiliary outgoing trunk access code			MO									●	●			○	○	○	Ringing tone heard
118	Distant operator answers and completes call												●	●			○	○	○	3-way conversation — atnd, customer, distant office
119	Atnd releases											MO	○	●			●	(*)	(*)	Console idle
																				*In 2 to 4 seconds, lamps extinguished

STEP	ACTION	CONDITION											RESULTS							REMARKS
		1- AND 2-TYPE TELEPHONE CONSOLE																		
		KEYS											LAMPS							
		TRK	START OUT	END	START IN	RLS DEST	HOLD	EXCL SRC	EXCL DEST	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST	
Call Extended Within Customer Group (STO) Basis — All Paths Busy																				
120	Dial tone connection		MO										●	○			○	○	●	Dial tone heard
121	Atnd dials centrex station			MO									●	●			○	○	●	120-ipm overflow tone heard
122	Atnd releases overflow condition					MO							●	●			○	○	●	2-way conversation — atnd, customer
123	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle
Call Extended Within Customer Group (STI) Basis — All Paths Busy																				
124	Dial tone connection				MO								●	○			○	○	●	Dial tone heard
125	Atnd dials centrex station			MO									●	●			○	○	(120)	120-ipm overflow tone heard
126	Atnd releases overflow condition						MO						●	●			○	○	●	2-way conversation — atnd, customer
127	Atnd and customer release											MO	○	●			●	●	●	Console and trunk idle

TABLE C
INCOMING CALL — TRANSFER (TR) TYPE

STEP	CONDITION											RESULTS							
	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE																	REMARKS
		KEYS									LAMPS								
		TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	PA RLS	RDY	EXCEL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST		
Incoming Call																			
1	Idle condition										○	●			●	●	●		
2	Customer connected to centrex station and centrex station initiates transfer to atnd										●	●			●	(120)	○		Audible signal sounded
3	Atnd answers										●	●			○	○	○		3-way conversation — atnd, customer, originating centrex station
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Release After Station Answers																			
4	Atnd releases originating centrex station					MO					●	●			○	○	●		2-way conversation, atnd, customer
5	Dial tone connection		MO								●	○			○	○	●		Dial tone heard
6	Atnd dials 2nd centrex station			MO							●	●			○	○	●		Ringing tone heard
7	2nd centrex station answers										●	●			○	○	○		3-way conversation — atnd, customer, 2nd centrex station
8	Atnd releases									MO	○	●			●	(*)	(*)		Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STO) Basis — Originating Station Not Released Before Dialing																			
9	Dial tone connection		MO				?				●	○			○	○	●		Dial tone heard
10	Atnd dials 2nd centrex station			MO							●	●			○	○	●		Ringing tone heard

TABLE C (Cont)
INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	ATND TRK — SRC	ATND TRK — DEST	REMARKS
										KEYS			LAMPS					
11	2nd centrex station answers										●	●			○	○	○	4-way conversation — atnd, customer, originating centrex station, 2nd centrex station
12	Atnd releases									MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Release Before Station Answers																		
13	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
14	Dial tone connection		MO								●	○			○	○	●	Dial tone heard
15	Atnd dials centrex station			MO							●	●			○	○	●	Ringing tone heard
16	Atnd releases									MO	○	●			●	○	●	Console idle
17	Centrex station answers										○	●			●	(*)	(*)	*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Release After Station Answers																		
18	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
19	Dial tone connection				MO						●	○			○	○	●	Dial tone heard
20	Atnd dials centrex station			MO							●	●			○	○	(30)	Ringing tone heard
21	Centrex station answers										●	●			○	○	○	3-way conversation — atnd, customer, centrex station

TABLE C (Cont)
INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS									RESULTS — LAMPS							RESULTS — REMARKS
		TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	ATND TRK — SRC	ATND TRK — DEST	
22	Atnd releases									MO	○	●			●	(*)	(*)	Console and trunk idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Release Before Station Answers																		
23	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
24	Dial tone connection				MO						●	○			○	○	●	Dial tone heard
25	Atnd dials centrex station			MO							●	●			○	○	(30)	Ringing tone heard
26	Atnd releases									MO	○	●			●	○	(30)	Console idle
27	Centrex station answers										○	●			●	(*)	(*)	Trunk idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Busy Station Within Customer Group (STO) Basis — Originating Station Released Before Dialing																		
28	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
29	Dial tone connection		MO								●	○			○	○	●	Dial tone heard
30	Atnd dials busy centrex station			MO							●	●			○	○	○	Busy tone heard
31	Atnd releases busy centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
32	Atnd and customer release									MO	○	●			●	●	●	Console and trunk idle

TABLE C (Cont)

INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	CONDITION 1- AND 2-TYPE TELEPHONE CONSOLE																RESULTS
		KEYS									LAMPS							REMARKS
		TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST	
Call Extended to Busy Station Within Customer Group (STI) Basis																	
33	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
34	Dial tone connection				MO						●	○			○	○	●	Dial tone heard
35	Atnd dials busy centrex station			MO							●	●			○	○	(60)	Busy tone heard
36	Atnd releases busy centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
37	Atnd and customer release									MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Busy Station Within Customer Group (STO) Basis — Originating Station Not Released Before Dialing																	
38	Dial tone connection		MO								●	○			○	○	●	Dial tone heard
39	Atnd dials busy centrex station			MO							●	●			○	○	○	Busy tone heard
40	Atnd releases busy centrex station				MO						●	●			○	○	○	3-way conversation — atnd, customer, originating station
41	Atnd, originating centrex station, and customer release									MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Intercepted Station Within Customer Group (STO) Basis — Originating Station Not Released																	
42	Dial tone connection		MO								●	○			○	○	●	Dial tone heard
43	Atnd dials centrex station			MO							●	●			○	○	●	Recorded announcement heard

TABLE C (Cont)
INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	ATND TRK — SRC	ATND TRK — DEST	REMARKS
									CONDITION — KEYS		LAMPS							RESULTS
44	Atnd releases recorded announcement					MO			7		●	●			○	○	○	3-way conversation — atnd, customer, originating station
45	Atnd, customer, and originating centrex station release									MO	○	●			●	●	●	Console and trunk idle
Call Extended to Intercepted Station Within Customer Group (STI) Basis — Originating Station Released																		
46	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
47	Dial tone connection				MO						●	○			○	○	●	Dial tone heard
48	Atnd dials 2nd centrex station			MO							●	●			○	○	●	Recorded announcement heard
49	Atnd releases recorded announcement					MO					●	●			○	○	●	2-way conversation — atnd, customer
50	Atnd and customer release									MO	○	●			●	●	●	Console and trunk idle
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Excludes Source and Destination																		
51	Atnd excludes customer and originating centrex station						MO				●	●	○	●	○	○	○	Customer and originating centrex station excluded
52	Dial tone connection		MO								●	○	○	●	○	○	●	Dial tone heard
53	Atnd dials 2nd centrex station				MO						●	●	○	●	○	○	●	Ringing tone heard
54	2nd centrex station answers										●	●	○	●	○	○	○	2-way conversation — atnd, 2nd centrex station

TABLE C (Cont)

INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	KEYS TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	LAMPS PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	SRC	DEST	REMARKS
55	Atnd excludes 2nd centrex station							MO			●	●	●	○	○	○	○	3-way conversation — atnd, customer, originating centrex station
56	Atnd removes exclusion	MO									●	●	●	●	○	○	○	4-way conversation — atnd, customer, originating centrex station, 2nd centrex station
57	Atnd releases									MO	○	●	●	●	●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Within Customer Group (STO) Basis — Destination Recalls Attendant																	
58	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
59	Dial tone connection		MO								●	○			○	○	●	Dial tone heard
60	Atnd dials 2nd centrex station			MO							●	●			○	○	●	Ringing tone heard
61	Station answers										●	●			○	○	○	3-way conversation — atnd, customer, 2nd centrex station
62	Atnd releases									MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
63	2nd centrex station recalls atnd by flashing switch hook										●	●			●	○	(120)	Audible signal sounded
64	Atnd re-enters connection	MO									●	●			○	○	○	3-way conversation — atnd, customer, 2nd centrex station

TABLE C (Cont)
INCOMING CALL — TRANSFER (TR) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS: TRK	START OUT	END	START IN	RLS DEST	EXCL SRC	EXCL DEST	HOLD	PA RLS	LAMPS: PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK: TRK	SRC	DEST	REMARKS
65	Atnd releases									MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
	Call Extended to Idle Station Within Customer Group (STI) Basis — Attendant Holds Connection — Destination Recalls Attendant																	
66	Atnd releases originating centrex station					MO					●	●			○	○	●	2-way conversation — atnd, customer
67	Dial tone connection				MO						●	○			○	○	●	Dial tone heard
68	Atnd dials centrex station			MO							●	●			○	○	(30)	Ringing tone heard
69	Centrex station answers										●	●			○	○	○	3-way conversation — atnd, customer, centrex station
70	Atnd holds trunk								MO		●	●			(30)	(†)	(†)	2-way conversation — customer, centrex station †Lamps remain same condition as before operation of HOLD key.
71	Atnd releases									MO	○	●			(30)	(†)	(†)	Console idle †Lamps remain same condition as before operation of HOLD key.
72	Centrex station recalls atnd by flashing switch hook										●	●			(30)	○	(120)	Audible signal sounded
73	Atnd re-enters connection	MO									●	●			○	○	○	3-way conversation — atnd, customer, centrex station
74	Atnd releases									MO	○	●			●	(*)	(*)	Console and trunk idle *In 2 to 4 seconds, lamps extinguished

TABLE D
INCOMING CALL — DIAL ZERO (D0) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS										LAMPS					ATND TRK			RESULTS
		TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	REMARKS
Incoming Call																		
1	Idle condition											○	●			●	●	●	
2	Centrex station dials 0											●	●			●	(120)	●	Audible signal sounded
3	Atnd answers	MO										●	●			○	○	●	2-way conversation — atnd, originating centrex station
Call Extended to Idle Station Within Customer Group (STO) Basis — Attendant Recalled																		
4	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
5	Atnd dials 2nd centrex station			MO								●	●			○	○	●	Ringing tone heard
6	2nd centrex station answers											●	●			○	○	○	3-way conversation — atnd, originating centrex station, 2nd centrex station
7	Atnd releases										MO	○	●			●	(*)	(*)	Console idle
																			*In 2 to 4 seconds, lamps extinguished
8	Destination flashes switch hook to recall atnd											●	●			●	○	(120)	Audible signal sounded
9	Atnd answers	MO										●	●			○	○	○	3-way conversation — atnd, originating centrex station, 2nd centrex station

TABLE D (Cont)

INCOMING CALL — DIAL ZERO (DO) TYPE

STEP	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE																	REMARKS
		KEYS										LAMPS							
		TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	
10	Atnd releases										MO	○	●			●	(*)	(*)	Console idle
																			*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Outside Customer Group (STO) Basis — Attendant Excludes Source and Destination																			
11	Atnd excludes centrex station				MO							●	●	○	●	○	○	●	Source excluded
12	Dial tone connection		MO									●	○	○	●	○	○	●	Dial tone heard
13	Atnd dials access code											●	○	○	●	○	○	●	Dial tone heard
14	Atnd dials outside customer			MO								●	●	○	●	○	○	○	Ringing tone heard
15	Outside customer answers											●	●	○	●	○	○	○	2-way conversation — atnd, outside customer
16	Atnd excludes destination					MO						●	●	●	○	○	○	○	2-way conversation — atnd, centrex station
17	Atnd removes exclusion	MO										●	●	●	●	○	○	○	3-way conversation — atnd, outside customer, centrex station
18	Atnd releases										MO	○	●	●	●	●	(*)	(*)	Console idle
																			*In 2 to 4 seconds, lamps extinguished
Call Extended to Idle Station Outside Customer Group (STO) Basis — Attendant Recalls Originating Station																			
19	Originating station goes on-hook											●	●			○	●	●	

STEP	ACTION	TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK — TRK	SRC	DEST	REMARKS
		CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS										RESULTS — LAMPS							REMARKS
20	Dial tone connection		MO									●	○			○	●	●	Dial tone heard
21	Atnd dials access code											●	○			○	●	●	Dial tone heard
22	Atnd dials outside customer station			MO								●	●			○	●	○	Ringing tone heard
23	Outside customer answers											●	●			○	●	○	2-way conversation — atnd, outside customer
24	Atnd recalls originating station						MO					●	●			○	●	○	Ringing voltage applied to originating station line
25	Originating station answers											●	●			○	○	○	3-way conversation — atnd, outside customer, centrex station
26	Atnd releases										MO	○	●			●	*	*	Console idle *In 2 to 4 seconds, lamps extinguished
Ringback From Toll Operator																			
27	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
28	Atnd dials access code											●	○			○	○	●	Dial tone heard
29	Atnd dials toll operator			MO								●	●			○	○	(†)	Ringing tone heard †Lights only when toll diversion not provided
30	Toll operator answers											●	●			○	○	○	3-way conversation — atnd, centrex station, toll operator

TABLE D (Cont)
INCOMING CALL — DIAL ZERO (D0) TYPE

STEP	ACTION	TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
		KEYS										LAMPS							
31	Atnd releases										MO	○	●			●	*	*	Console idle
																			*In 2 to 4 seconds, lamps extinguished
32	Toll operator rings back											●	●			●	○	(120)	Audible signal sounded
33	Atnd re-enters connection	MO										●	●			○	○	○	3-way conversation — atnd, centrex station, toll operator
34	Atnd, toll operator, centrex station release										MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Busy Station Outside Customer Group (STO) Basis																		
35	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
36	Atnd dials access code											●	○			○	○	●	Dial tone heard
37	Atnd dials outside customer			MO								●	●			○	○	○	Busy tone heard
38	Atnd releases outside customer							MO				●	●			○	○	●	2-way conversation — atnd, centrex station
39	Atnd and station release										MO	○	●			●	●	●	Console and trunk idle
	Call Extended to Intercepted Station Outside Customer Group (STO) Basis																		
40	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
41	Atnd dials access code											●	○			○	○	●	Dial tone heard

TABLE D (Cont)

INCOMING CALL — DIAL ZERO (D0) TYPE

STEP	ACTION	TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	REMARKS
42	Atnd dials outside customer			MO								●	●			○	○	●	Recorded announcement heard or intercept operator reached
43	Atnd releases recorded announcement or intercept operator						MO					●	●			○	○	●	2-way conversation — atnd, centrex station
44	Atnd and station release										MO	○	●			●	●	●	Console and trunk idle
Call Extended to Toll Operator Outside Customer Group (STO) Basis — Attendant Recalls Toll Operator																			
45	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
46	Atnd dials access code											●	○			○	○	●	Dial tone heard
47	Atnd dials toll operator			MO								●	●			○	○	○	Ringing tone heard
48	Toll operator completes call and releases from connection											●	●			○	○	○	3-way conversation — atnd, called customer, centrex station
49	Atnd recalls toll operator									MO		●	●			○	○	○	Supervisory cord lamp at toll operator position flashes with operation and release of SIG DEST key by atnd
50	Toll operator re-enters connection											●	●			○	○	○	4-way conversation — atnd, centrex station, toll operator, called customer

TABLE D (Cont)
INCOMING CALL — DIAL ZERO (D0) TYPE

STEP	ACTION	CONDITION											RESULTS							REMARKS
		1- AND 2-TYPE TELEPHONE CONSOLE																		
		KEYS											LAMPS							
		TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	ATND TRK			
																TRK	SRC	DEST	
51	Toll operator and atnd release										MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished
	Atnd Holds Trunk — Attempts to Re-enter Connection — Lockout Not Provided																		
52	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
53	Atnd dials access code											●	○			○	○	●	Dial tone heard
54	Atnd dials outside customer			MO								●	●			○	○	○	Ringing tone heard
55	Outside customer answers											●	●			○	○	○	3-way conversation — atnd, outside customer, centrex station
56	Atnd holds trunk								MO			●	●			㉚	○	○	
57	Atnd releases										MO	○	●			㉚	○	○	Console idle
58	Centrex station switch hook flashes atnd											○	●			㉚	(**)	○	**Source lamp follows switch hook flashes
59	Atnd re-enters connection	MO										●	●			○	○	○	3-way conversation — atnd, outside customer, centrex station
60	Atnd releases										MO	○	●			●	(*)	(*)	Console idle *In 2 to 4 seconds, lamps extinguished

INCOMING CALL — DIAL ZERO (D0) TYPE

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS										CONDITION — LAMPS				CONDITION — ATND TRK			RESULTS — REMARKS
		TRK	START OUT	END	EXCL SRC	EXCL DEST	SIG SRC	RLS DEST	HOLD	SIG DEST	PA RLS	PA RLS	RDY	EXCL SRC	EXCL DEST	TRK	SRC	DEST	
Attendant Holds Trunk — Attempts to Re-enter Connection — Lockout Provided																		
61	Dial tone connection		MO									●	○			○	○	●	Dial tone heard
62	Atnd dials access code											●	○			○	○	●	Dial tone heard
63	Atnd dials outside customer			MO								●	●			○	○	○	Ringing tone heard
64	Outside customer answers											●	●			○	○	○	3-way conversation — atnd, outside customer, centrex station
65	Atnd holds trunk								MO			●	●			㉚	○	○	
66	Atnd releases										MO	○	●			㉚	○	○	Console idle
67	Atnd attempts to re-enter connection	MO										●	●			○	○	●	Atnd cannot re-enter connection
68	Atnd holds trunk								MO			●	●			㉚	○	○	
69	Atnd releases										MO	○	●			㉚	○	○	Console idle
70	Outside customer and centrex station release											○	●			●	*	*	Trunk idle *In 2 to 4 seconds, lamps extinguished

TABLE E
PREARRANGED CONFERENCE CALL WITHIN CUSTOMER GROUP

STEP	ACTION	CONDITION 1- AND 2-TYPE TELEPHONE CONSOLE KEYS					RESULTS 1- AND 2-TYPE TELEPHONE CONSOLE LAMPS				CONF TRK			REMARKS
		RLS SRC	START OUT	END	CONF 2	PA RLS	PA RLS	RDY	CONF 1	CONF 2	TRK	SRC	DEST	
1	Idle condition						○	●	●	●	●	●	●	Console idle
2	Atnd connects to conference circuit				MO		●	●	●	(30)	●	●	●	
3	Dial tone connection		MO				●	○	●	(30)	●	●	●	Dial tone heard
4	Atnd dials 1st conferee			MO			●	●	●	(30)	●	●	●	Ringing tone heard
5	1st conferee answers						●	●	●	(30)	●	●	●	2-way conversation —atnd, 1st conferee
6	Atnd connects 1st conferee to conference bridge				MO		●	●	●	(30)	●	●	●	2-way conversation — atnd, 1st conferee
7	Dial tone connection		MO				●	○	●	(30)	●	●	●	Dial tone heard
8	Atnd dials 2nd conferee			MO			●	●	●	(30)	●	●	●	Ringing tone heard
9	2nd conferee answers						●	●	●	(30)	●	●	●	2-way conversation — atnd, 2nd conferee
10	Atnd connects 2nd conferee to conference bridge				MO		●	●	●	(30)	●	●	●	3-way conversation — atnd, 1st conferee, 2nd conferee
11	Repeat Steps 3 - 6 to add additional conferees													
12	Atnd releases					MO	○	●	●	(30)	●	●	●	Conference continues
13	1st or 2nd conferee flashes switch hook to recall atnd						●	●	●	(120)	●	●	●	Audible signal sounded
14	Atnd re-enters conference circuit				MO		●	●	●	(30)	●	●	●	Conversation with all conferees

TABLE E (Cont)

PREARRANGED CONFERENCE CALL WITHIN CUSTOMER GROUP

S T E P	ACTION	KEYS					LAMPS							REMARKS
		RLS SRC	START OUT	END	CONF 2	PA RLS	PA RLS	RDY	CONF 1	CONF 2	TRK	SRC	DEST	
15	Atnd releases all conferees	MO					●	●	●	㉚	●	●	●	All conferees released
16	Atnd releases					MO	○	●	●	●	●	●	●	Console and conference circuit idle

TABLE F
CONFERENCE REQUEST TO ATTENDANT BY CENTREX STATION DIALING CONFERENCE NUMBER

STEP	CONDITION		1- AND 2-TYPE TELEPHONE CONSOLE											RESULTS
		ACTION	KEYS						LAMPS					REMARKS
			RLS SRC	START OUT	CONF 1	RLS DEST	END	PA RLS	PA RLS	RDY	CONF 1	CONF 2	ATND TRK (TRK, SRC, DEST)	
1	Idle condition								○	●	●	●	● ● ●	Console idle
2	Centrex station dials conference number								●	●	(120)	●	● ● ●	Audible signal sounded
3	Atnd answers				MO				●	●	(30)	●	● ● ●	2-way conversation — atnd, originating station
4	Atnd connects centrex station to conference bridge				MO				●	●	(30)	●	● ● ●	2-way conversation — atnd, originating station
5	Dial tone connection			MO					●	○	(30)	●	● ● ●	Dial tone heard
6	Atnd dials 2nd conferee						MO		●	●	(30)	●	● ● ●	Ringing tone heard
7	2nd conferee answers								●	●	(30)	●	● ● ●	2-way conversation — atnd, 2nd conferee
8	Atnd connects 2nd conferee to conference bridge				MO				●	●	(30)	●	● ● ●	3-way conversation — atnd, originating station, 2nd conferee
9	Dial tone connection			MO					●	○	(30)	●	● ● ●	Dial tone heard
10	Atnd dials 3rd conferee						MO		●	●	(30)	●	● ● ●	Ringing tone heard
11	3rd conferee answers								●	●	(30)	●	● ● ●	2-way conversation — atnd, 3rd conferee
12	Atnd connects 3rd conferee to conference bridge				MO				●	●	(30)	●	● ● ●	4-way conversation — atnd, originating station, 2nd conferee, 3rd conferee
13	Repeat Steps 5 - 8 to add additional conferees — maximum 5 on 1 conference circuit													
14	Atnd attempts to add 6th conferee			MO					●	○	(120)	●	● ● ●	All conference lines busy

TABLE F (Cont)
CONFERENCE REQUEST TO ATTENDANT BY CENTREX STATION DIALING CONFERENCE NUMBER

STEP	CONDITION ACTION	KEYS RLS SRC	START OUT	CONF 1	RLS DEST	END	PA RLS	LAMPS PA RLS	RDY	CONF 1	CONF 2	ATND TRK TRK	SRC	DEST	REMARKS
15	Atnd operates END key					MO		●	●	(120)	●	●	●	●	
16	Atnd abandons attempt				MO			●	●	(30)	●	●	●	●	
17	Atnd connects to conference circuit			MO				●	●	(30)	●	●	●	●	Conversation with all conferees
18	Atnd releases						MO	○	●	(30)	●	●	●	●	Console idle
19	Originating station or 2nd conferee flashes switch hook to recall atnd							●	●	(120)	●	●	●	●	Audible signal sounded
20	Atnd re-enters conference circuit			MO				●	●	(30)	●	●	●	●	Conversation with all conferees
21	Atnd releases all conferees	MO						●	●	(30)	●	●	●	●	All conferees released
22	Atnd releases						MO	○	●	●	●	●	●	●	Console and conference circuit idle

TABLE G
CONFERENCE REQUEST TO ATTENDANT BY INCOMING CALL — LDN

STEP	ACTION	CONDITION 1- AND 2-TYPE TELEPHONE CONSOLE KEYS									RESULTS 1- AND 2-TYPE TELEPHONE CONSOLE LAMPS							REMARKS
		TRK	END	START OUT	RLS SRC	CONF 1	CONF 2	RLS DEST	START IN	PA RLS	PA RLS	RDY	CONF 1	CONF 2	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	
(STO) Basis
1	Idle condition										○	●	●	●	●	●	●	
2	Incoming LDN call										●	●	●	●	●	(60)	●	Audible signal sounded
3	Atnd answers	MO									●	●	●	●	○	○	●	2-way conversation — atnd, customer
4	Incoming customer requests conference										●	●	●	●	○	○	●	
5	Dial tone connection			MO							●	○	●	●	○	○	●	Dial tone heard
6	Atnd dials conference number		MO								●	●	(120)	●	○	○	●	Ringing tone heard
7	Atnd releases position									MO	●	●	(120)	●	●	○	●	Audible signal sounded
8	Atnd connects to conference circuit					MO					●	●	(30)	●	●	(*)	(*)	2-way conversation — atnd, customer *In 2 to 4 seconds, lamps extinguished
9	Atnd connects customer to conference bridge					MO					●	●	(30)	●	●	●	●	
10	Dial tone connection			MO							●	○	(30)	●	●	●	●	Dial tone heard
11	Atnd dials 2nd conferee		MO								●	●	(30)	●	●	●	●	Ringing tone heard
12	2nd conferee answers										●	●	(30)	●	●	●	●	2-way conversation — atnd, 2nd conferee

TABLE G (Cont)
CONFERENCE REQUEST TO ATTENDANT BY INCOMING CALL — LDN

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS									LAMPS							RESULTS REMARKS
		TRK	END	START OUT	RLS SRC	CONF 1	CONF 2	RLS DEST	START IN	PA RLS	PA RLS	RDY	CONF 1	CONF 2	ATND TRK TRK	SRC	DEST	
13	Atnd connects 2nd conferee to conference bridge					MO					●	●	(30)	●	●	●	●	3-way conversation — atnd, customer, 2nd conferee
14	Dial tone connection			MO							●	○	(30)	●	●	●	●	Dial tone heard
15	Atnd dials 3rd conferee		MO								●	●	(30)	●	●	●	●	Ringing tone heard
16	3rd conferee answers										●	●	(30)	●	●	●	●	2-way conversation — atnd, 3rd conferee
17	Atnd connects 3rd conferee to conference bridge					MO					●	●	(30)	●	●	●	●	4-way conversation — atnd, customer, 2nd conferee, 3rd conferee
18	Repeat Steps 10 - 13 to add additional conferees																	
19	Atnd releases									MO	○	●	(30)	●	●	●	●	Console idle
20	2nd conferee flashes switch hook to recall atnd										●	●	(120)	●	●	●	●	Audible signal sounded
21	Atnd re-enters conference circuit					MO					●	●	(30)	●	●	●	●	Conversation with all conferees
22	Atnd releases all conferees				MO						●	●	(30)	●	●	●	●	All conferees released
23	Atnd releases									MO	○	●	●	●	●	●	●	Console and conference circuit idle
(STI) Basis																		
24	Idle condition										○	●	●	●	●	●	●	

TABLE G (Cont)
CONFERENCE REQUEST TO ATTENDANT BY INCOMING CALL — LDN

STEP	ACTION	TRK	END	START OUT	RLS SRC	CONF 1	CONF 2	RLS DEST	START IN	PA RLS	PA RLS	RDY	CONF 1	CONF 2	ATND TRK TRK	ATND TRK SRC	ATND TRK DEST	REMARKS
25	Incoming LDN call										●	●	●	●	●	(60)	●	Audible signal sounded
26	Atnd answers	MO									●	●	●	●	○	○	●	2-way conversation —atnd, customer
27	Incoming customer requests conference										●	●	●	●	○	○	●	
28	Dial tone connection								MO		●	○	●	●	○	○	●	Dial tone heard
29	Atnd dials confer-ence number		MO								●	●	●	(120)	○	○	(30)	Ringing tone heard
30	Atnd releases									MO	●	●	●	(120)	●	○	(30)	Audible signal sounded
31	Atnd connects to con-ference circuit						MO				●	●	●	(30)	●	(*)	(*)	*In 2 to 4 seconds, lamps extinguished
32	Atnd connects incom-ing customer to con-ference bridge						MO				●	●	●	(30)	●	●	●	2-way conversation — atnd, incoming customer
33	Dial tone connection				MO						●	○	●	(30)	●	●	●	Dial tone heard
34	Atnd dials 2nd con-feree		MO								●	●	●	(30)	●	●	●	Ringing tone heard
35	2nd conferee answers										●	●	●	(30)	●	●	●	2-way conversation — atnd, 2nd conferee
36	Atnd connects 2nd conferee to confer-ence bridge						MO				●	●	●	(30)	●	●	●	3-way conversation — atnd, incoming customer, 2nd conferee
37	Dial tone connection				MO						●	○	●	(30)	●	●	●	Dial tone heard
38	Atnd dials 3rd con-feree		MO								●	●	●	(30)	●	●	●	No answer, line-busy, or overflow

CONFERENCE REQUEST TO ATTENDANT BY INCOMING CALL — LDN

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE																RESULTS — REMARKS
		KEYS									LAMPS							
		TRK	END	START OUT	RLS SRC	CONF 1	CONF 2	RLS DEST	START IN	PA RLS	PA RLS	RDY	CONF 1	CONF 2	ATND TRK TRK	SRC	DEST	
39	Atnd releases 3rd conferee							MO			●	●	●	(30)	●	●	●	
40	Repeat Steps 33-36 to add additional conferees																	
41	Atnd releases									MO	○	●	●	(30)	●	●	●	Console idle
42	All conferees release										○	●	●	●	●	●	●	Conference circuit idle

TABLE H
ATTENDANT ORIGINATED CALL ON OUT LINE

STEP	CONDITION ACTION	1- AND 2-TYPE TELEPHONE CONSOLE KEYS END	START OUT	OUT LINE	PA RLS	LAMPS PA RLS	RDY	OUT LINE	EXCL DEST	ATND TRK TRK	SRC	DEST	RESULTS REMARKS
1	Idle condition					○	●	●	●	●	●	●	Console idle
2	Atnd seizes out line			MO		●	●	○	●	●	●	●	
3	Dial tone connection		MO			●	○	○	●	●	●	●	Dial tone heard
4	Atnd dials access code					●	○	○	●	●	●	●	Dial tone heard
5	Atnd dials 7-digit number	MO				●	●	○	●	●	●	●	Ringing tone heard
6	Customer answers					●	●	○	●	●	●	●	2-way conversation — atnd, customer
7	Atnd and customer release				MO	○	●	●	●	●	●	●	Console and out line idle

TABLE I
ATTENDANT ORIGINATED CALL ON ATTENDANT ACCESS TRUNK

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE KEYS — TRK	START OUT	END	RLS DEST	SIG DEST	RLS SRC	PA RLS	LAMPS — PA RLS	RDY	ATND ACCESS TRK	SRC	DEST	RESULTS — REMARKS
	Attendant Connect to Centrex Station													
1	Idle condition								○	●	●	●	●	
2	Trunk seized	MO							●	●	○	●	●	
3	Dial tone connection		MO						●	○	○	●	●	Dial tone heard
4	Atnd dials 4- or 5-digit centrex station number			MO					●	●	○	●	●	Ringing tone heard
5	Centrex station answers								●	●	○	○	●	2-way conversation — atnd, centrex station
	Call Extended to Idle Outside Station													
6	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
7	Atnd dials access code								●	○	○	○	●	Dial tone heard
8	Atnd dials 7-digit number for outside customer			MO					●	●	○	○	○	Ringing tone heard
9	Outside customer answers								●	●	○	○	○	3-way conversation — atnd, centrex station, outside customer
10	Atnd releases							MO	○	●	●	○	○	Console idle
11	Atnd re-enters connection	MO							●	●	○	○	○	3-way conversation — atnd, centrex station, outside customer
12	Atnd releases							MO	○	●	●	○	○	Console idle
13	Centrex station and outside customer release								○	●	●	●	●	Trunk idle

TABLE I (Cont)
ATTENDANT ORIGINATED CALL ON ATTENDANT ACCESS TRUNK

STEP	CONDITION								RESULTS					
	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE												REMARKS
		KEYS							LAMPS					
		TRK	START OUT	END	RLS DEST	SIG DEST	RLS SRC	PA RLS	PA RLS	RDY	ATND ACCESS			
											TRK	SRC	DEST	

Call Extended to Busy Outside Station

14	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
15	Atnd dials access code								●	○	○	○	●	Dial tone heard
16	Atnd dials busy station			MO					●	●	○	○	○	60-ipm busy tone heard
17	Atnd releases outside station				MO				●	●	○	○	●	2-way conversation — atnd, centrex station
18	Atnd and centrex station release							MO	○	●	●	●	●	Console and trunk idle

Call Extended to Toll Operator — Toll Operator Re-rings Attendant

19	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
20	Atnd dials access code								●	○	○	○	●	Dial tone heard
21	Atnd dials toll operator			MO					●	●	○	○	○	Ringing tone heard
22	Toll operator answers								●	●	○	○	○	3-way conversation — atnd, centrex station, toll operator
23	Toll operator extends call								●	●	○	○	○	Ringing tone heard
24	Called customer answers								●	●	○	○	○	4-way conversation — atnd, toll operator, centrex station, outside customer
25	Atnd releases							MO	○	●	●	○	○	Console idle
26	Toll operator re-rings atnd								●	●	●	○	(120)	Audible signal sounded

TABLE I (Cont)

ATTENDANT ORIGINATED CALL ON ATTENDANT ACCESS TRUNK

S T E P	ACTION	TRK	START OUT	END	RLS DEST	SIG DEST	RLS SRC	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
		CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE — KEYS							LAMPS		ATND ACCESS			**RESULTS**
27	Atnd re-enters connection	MO							●	●	○	○	○	4-way conversation — atnd, toll operator, centrex station, outside customer
28	Atnd and toll operator release							MO	○	●	●	○	○	Console idle
29	Centrex station and outside customer release								○	●	●	●	●	Trunk idle
	Call Extended to Toll Operator — Attendant Recalls Toll Operator													
30	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
31	Atnd dials access code								●	○	○	○	●	Dial tone heard
32	Atnd dials toll operator			MO					●	●	○	○	○	Ringing tone heard
33	Toll operator answers								●	●	○	○	○	3-way conversation — atnd, centrex station, toll operator
34	Toll operator extends call and releases								●	●	○	○	○	Ringing tone heard
35	Called customer answers								●	●	○	○	○	3-way conversation — atnd, centrex station, called customer
36	Atnd recalls toll operator					MO			●	●	○	○	○	Supervisory cord lamp at toll operator position flashes with operation and release of SIG DEST key by atnd
37	Toll operator answers								●	●	○	○	○	4-way conversation — atnd, centrex station, toll operator, called customer
38	Toll operator releases								●	●	○	○	○	3-way conversation — atnd, centrex station, called customer

TABLE I (Cont)
ATTENDANT ORIGINATED CALL ON ATTENDANT ACCESS TRUNK

STEP		CONDITION — ACTION	1- AND 2-TYPE TELEPHONE CONSOLE												RESULTS — REMARKS
			KEYS							LAMPS					
			TRK	START OUT	END	RLS DEST	SIG DEST	RLS SRC	PA RLS	PA RLS	RDY	ATND ACCESS			
												TRK	SRC	DEST	
39		Atnd releases							MO	○	●	●	○	○	Console idle
40		Centrex station and outside customer release								○	●	●	●	●	Trunk idle

Attendant Releases Originating Station — Initiates Outside Call

STEP		ACTION	TRK	START OUT	END	RLS DEST	SIG DEST	RLS SRC	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
41		Atnd releases originating centrex station						MO		●	●	○	●	●	
42		Dial tone connection		MO						●	○	○	●	●	Dial tone heard
43		Atnd dials 4- or 5-digit centrex station number			MO					●	●	○	●	●	Ringing tone heard
44		Centrex station answers								●	●	○	○	●	2-way conversation — atnd, centrex station
45		Dial tone connection		MO						●	○	○	○	●	Dial tone heard
46		Atnd dials access code								●	○	○	○	●	Dial tone heard
47		Atnd dials outside customer			MO					●	●	○	○	○	Ringing tone heard
48		Outside customer answers								●	●	○	○	○	3-way conversation — atnd, centrex station, outside customer
49		Atnd releases							MO	○	●	●	○	○	Console idle
50		Centrex station and outside customer release								○	●	●	●	●	Trunk idle

TABLE J
AUXILIARY OUTGOING TRUNK ES-26288-01 — OUTGOING CALL

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE											RESULTS
		KEYS						LAMPS					REMARKS
		TRK	START OUT	END	RLS DEST	RLS SRC	PA RLS	PA RLS	RDY	AUX OG TRK — TRK	SRC	DEST	
			Centrex Station Connection										
1	Idle condition							○	●	●	●	●	
2	Trunk seized	MO						●	●	○	●	●	
3	Dial tone connection		MO					●	○	○	●	●	Dial tone heard
4	Atnd dials centrex station			MO				●	●	○	●	●	Ringing tone heard
5	Centrex station answers							●	●	○	○	●	2-way conversation — atnd, centrex station
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated												
6	Dial tone connection		MO					●	○	○	○	●	Dial tone heard
7	Atnd dials station in distant office			MO				●	●	○	○	●	Ringing tone heard
8	Distant office station answers							●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
9	Atnd releases						MO	○	●	●	○	○	Console idle
10	Centrex station and distant office release							○	●	●	●	●	Trunk idle
	Call Extended to Distant Office — Tie Trunks Terminated to PBX Operator or Attendant Position												
11	Atnd signals distant office		MO					●	●	○	○	●	Distant office receives signal
12	Atnd momentarily operates END key			MO				●	●	○	○	●	

TABLE J (Cont)
AUXILIARY OUTGOING TRUNK ES-26288-01 — OUTGOING CALL

STEP	ACTION	KEYS						LAMPS					REMARKS
		TRK	START OUT	END	RLS DEST	RLS SRC	PA RLS	PA RLS	RDY	AUX OG TRK			
										TRK	SRC	DEST	
13	Distant office operator answers							●	●	○	○	○	3-way conversation — atnd, distant office operator, centrex station
14	Distant office operator completes call							●	●	○	○	○	4-way conversation — atnd, distant office operator, distant office station, centrex station
15	Atnd and distant office operator release						MO	○	●	●	○	○	Console idle
16	Centrex station and distant office release							○	●	●	●	●	Trunk idle

Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Release Destination

STEP	ACTION	TRK	START OUT	END	RLS DEST	RLS SRC	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
17	Dial tone connection		MO					●	●	○	○	●	Dial tone heard
18	Atnd dials station in distant office			MO				●	●	○	○	●	Ringing tone heard
19	Distant office station busy							●	●	○	○	○	60-ipm busy tone heard
20	Atnd releases distant office station				MO			●	●	○	○	●	2-way conversation — atnd, centrex station
21	Atnd and centrex station release						MO	○	●	●	●	●	Console and trunk idle

Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Release Source

STEP	ACTION	TRK	START OUT	END	RLS DEST	RLS SRC	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
22	Atnd releases originating centrex station					MO		●	●	○	●	●	
23	Dial tone connection		MO					●	○	○	●	●	Dial tone heard
24	Atnd dials centrex station			MO				●	●	○	●	●	Ringing tone heard

S T E P	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE											RESULTS
		KEYS						LAMPS					REMARKS
		TRK	START OUT	END	RLS DEST	RLS SRC	PA RLS	PA RLS	RDY	AUX OG TRK			
										TRK	SRC	DEST	
25	Centrex station answers							●	●	○	○	●	2-way conversation — atnd, centrex station
26	Dial tone connection		MO					●	○	○	○	●	Dial tone heard
27	Atnd dials distant office station			MO				●	●	○	○	●	Ringing tone heard
28	Distant office station answers							●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
29	Atnd releases						MO	○	●	●	○	○	Console idle
30	Centrex station and distant office station release							○	●	●	●	●	Trunk idle

TABLE K

AUXILIARY OUTGOING TRUNK ES-26288-01 — INCOMING CALL

S T E P	ACTION	TRK	START OUT	END	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
		KEYS				**LAMPS**		**AUX OG TRK**			
Incoming Call from Distant Office — Console Terminated Call Extended to Idle Centrex Station										
1	Console and trunk idle					○	●	●	●	●	
2	Signal from distant office					●	●	●	(120)	●	Audible signal sounded
3	Atnd answers	MO				●	●	○	○	●	2-way conversation — atnd, distant office
4	Dial tone connection		MO			●	○	○	○	●	Dial tone heard
5	Atnd dials centrex station			MO		●	●	○	○	●	Ringing tone heard
6	Centrex station answers					●	●	○	○	○	3-way conversation — atnd, distant office, centrex station
7	Atnd releases				MO	○	●	●	○	○	Console idle
8	Centrex station and distant office release					○	●	●	●	●	Trunk idle

TABLE L

AUXILIARY OUTGOING TRUNK ES-26289-01 — OUTGOING CALL

STEP	ACTION	CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE												RESULTS — REMARKS
		KEYS							LAMPS					
		TRK	START OUT	END	RLS DEST	RLS SRC	SIG DEST	PA RLS	PA RLS	RDY	AUX OG TRK — TRK	SRC	DEST	
	Centrex Station Connection													
1	Idle condition								○	●	●	●	●	
2	Trunk seized	MO							●	●	○	●	●	
3	Dial tone connection		MO						●	○	○	●	●	Dial tone heard
4	Atnd dials centrex station			MO					●	●	○	●	●	Ringing tone heard
5	Centrex station answers								●	●	○	○	●	2-way conversation — atnd, centrex station
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated													
6	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
7	Atnd dials station in distant office			MO					●	○	○	○	●	Ringing tone heard
8	Distant office station answers								●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
9	Atnd releases							MO	○	●	●	○	○	Console idle
10	Centrex station and distant office station release								○	●	●	●	●	Trunk idle
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Release Destination													
11	Dial tone connection		MO						●	●	○	○	●	Dial tone heard
12	Atnd dials station in distant office			MO					●	●	○	○	●	Ringing tone heard

TABLE L (Cont)
AUXILIARY OUTGOING TRUNK ES-26289-01 — OUTGOING CALL

STEP	ACTION	TRK	START OUT	END	RLS DEST	RLS SRC	SIG DEST	PA RLS	PA RLS	RDY	TRK	SRC	DEST	REMARKS
		CONDITION — 1- AND 2-TYPE TELEPHONE CONSOLE KEYS							**LAMPS**		**AUX OG TRK**			**RESULTS**
13	Distant office station busy								●	●	○	○	○	60-ipm busy tone heard
14	Atnd releases distant office station				MO				●	●	○	○	●	2-way conversation — atnd, centrex station
15	Atnd and centrex station release							MO	○	●	●	●	●	Trunk idle
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Release Source													
16	Atnd releases originating centrex station					MO			●	●	○	●	●	
17	Dial tone connection		MO						●	○	○	●	●	Dial tone heard
18	Atnd dial centrex station			MO					●	●	○	●	●	Ringing tone heard
19	Centrex station answers								●	●	○	○	●	2-way conversation — atnd, centrex station
20	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
21	Atnd dials distant office station			MO					●	●	○	○	●	Ringing tone heard
22	Distant office station answers								●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
23	Atnd releases							MO	○	●	●	○	○	Console idle
24	Centrex station and distant office station release								○	●	●	●	●	Trunk idle
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Hold — Flash Recall													
25	Dial tone connection		MO						●	○	○	○	●	Dial tone heard

TABLE L (Cont)

AUXILIARY OUTGOING TRUNK ES-26289-01 — OUTGOING CALL

STEP	CONDITION — ACTION	KEYS TRK	KEYS START OUT	KEYS END	KEYS RLS DEST	KEYS RLS SRC	KEYS SIG DEST	KEYS PA RLS	LAMPS PA RLS	LAMPS RDY	AUX OG TRK — TRK	AUX OG TRK — SRC	AUX OG TRK — DEST	RESULTS — REMARKS
26	Atnd dials station in distant office			MO					●	●	○	○	●	Ringing tone heard
27	Distant office station answers								●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
28	Atnd holds connection								●	●	(30)	○	○	2-way conversation — centrex station, distant office station
29	Atnd releases							MO	○	●	(30)	○	○	Console idle
30	Centrex station recalls atnd by flashing switch hook								●	●	(30)	*	○	*Source lamp follows switch hook flashes
31	Atnd re-enters connection	MO							●	●	○	○	○	3-way conversation — atnd, centrex station, distant office station
32	Atnd releases							MO	●	●	●	○	○	Console idle
33	Centrex station and distant office station release								○	●	●	●	●	Trunk idle
	Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Toll Operator Rings Back													
34	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
35	Atnd dials toll operator through distant office			MO					●	●	○	○	●	Ringing tone heard
36	Toll operator answers and completes call								●	●	○	○	○	4-way conversation — atnd, centrex station, toll operator, called customer
37	Atnd releases							MO	○	●	●	○	○	Console idle
38	Toll operator rings back								●	●	●	○	(120)	Audible signal sounded
39	Atnd re-enters connection	MO							●	●	○	○	○	4-way conversation — atnd, centrex station, toll operator, called customer

TABLE L (Cont)
AUXILIARY OUTGOING TRUNK ES-26289-01 — OUTGOING CALL

STEP	ACTION	KEYS							LAMPS					REMARKS
		TRK	START OUT	END	RLS DEST	RLS SRC	SIG DEST	PA RLS	PA RLS	RDY	AUX OG TRK			
											TRK	SRC	DEST	
40	Atnd and toll operator release							MO	○	●	●	○	○	Console idle
41	Centrex station and called customer release								○	●	●	●	●	Trunk idle
Call Extended to Distant Office — Tie Trunk Line Link Frame Terminated — Signal Destination														
42	Dial tone connection		MO						●	○	○	○	●	Dial tone heard
43	Atnd dials toll operator through distant office			MO					●	●	○	○	●	Ringing tone heard
44	Toll operator answers and completes call								●	●	○	○	○	4-conversation — atnd, centrex station, toll operator, called customer
45	Toll operator releases								●	●	○	○	○	3-way conversation — atnd, centrex station, called customer
46	Atnd recalls toll operator						MO		●	●	○	○	○	Toll operator supervisory lamp flashes with operation and release of SIG DEST key
47	Toll operator re-enters connection								●	●	○	○	○	4-way conversation — atnd, centrex station, toll operator, called customer
48	Atnd and toll operator release							MO	○	●	●	○	○	Console idle
49	Centrex station and called customer release								○	●	●	●	●	Trunk idle

TABLE M
AUXILIARY OUTGOING TRUNK ES-26289-01 — INCOMING CALL

STEP	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE											REMARKS
		KEYS						LAMPS					
		TRK	START OUT	END	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	AUX OG TRK TRK	SRC	DEST	
1	Idle condition							○	●	●	●	●	
2	Trunk seized by toll operator							●	●	●	(60)	●	Audible signal sounded
3	Atnd answers	MO						●	●	○	○	●	3-way conversation — atnd, calling customer, toll operator
Call Extended to Idle Station — Attendant Release — Centrex Station Flash Recall													
4	Dial tone connection		MO					●	○	○	○	●	Dial tone heard
5	Atnd dials centrex station			MO				●	●	○	○	●	Ringing tone heard
6	Centrex station answers							●	●	○	○	○	4-way conversation — atnd, centrex station, calling customer, toll operator
7	Atnd and toll operator release						MO	○	●	●	○	○	Console idle
8	Centrex station recalls atnd by flashing switch hook							●	●	●	○	(120)	Audible signal sounded
9	Atnd re-enters connection	MO						●	●	○	○	○	3-way conversation — atnd, centrex station, calling customer
10	Atnd releases						MO	○	●	●	○	○	Console idle
11	Centrex station and calling customer release							○	●	●	●	●	Trunk idle
Call Extended to Idle Station — Attendant Recalls Toll Operator — Signal Source													
12	Dial tone connection		MO					●	○	○	○	●	Dial tone heard
13	Atnd dials centrex station			MO				●	●	○	○	●	Ringing tone heard

TABLE M (Cont)
AUXILIARY OUTGOING TRUNK ES-26289-01 — INCOMING CALL

STEP	ACTION	KEYS						LAMPS					REMARKS
		TRK	START OUT	END	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	AUX OG TRK TRK	SRC	DEST	
14	Centrex station answers							●	●	○	○	○	4-way conversation — atnd, centrex tation, toll operator, calling customer
15	Toll operator releases							●	●	○	○	○	3-way conversation — atnd, centrex station, calling customer
16	Atnd recalls toll operator				MO			●	●	○	○	○	Toll operator supervisory lamp flashes with operation and release of SIG SRC key
17	Toll operator re-enters connection							●	●	○	○	○	4-way conversation — atnd, centrex station, toll operator, calling customer
18	Atnd and toll operator release						MO	○	●	●	○	○	Console idle
19	Centrex station and calling customer release							○	●	●	●	●	Trunk idle
	Call Extended to Toll Operator — Attendant Recalls Toll Operator — Signal Destination												
20	Dial tone connection		MO					●	○	○	○	●	Dial tone heard
21	Atnd dials access code							●	○	○	○	●	Dial tone heard
22	Atnd dials toll operator			MO				●	●	○	○	●	Ringing tone heard
23	Toll operator answers and completes call							●	●	○	○	○	4-way conversation — atnd, calling customer, toll operator, called customer
24	Toll operator releases							●	●	○	○	○	3-way conversation — atnd, calling customer, called customer
25	Atnd recalls toll operator					MO		●	●	○	○	○	Toll operator supervisory lamp flashes with operation and release of SIG DEST key
26	Toll operator re-enters connection							●	●	○	○	○	4-way conversation — atnd, calling customer, toll operator, called customer

TABLE M (Cont)

AUXILIARY OUTGOING TRUNK ES-26289-01 — INCOMING CALL

STEP	CONDITION							RESULTS					
	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE											REMARKS
		KEYS						LAMPS					
		TRK	START OUT	END	SIG SRC	SIG DEST	PA RLS	PA RLS	RDY	AUX OG TRK			
										TRK	SRC	DEST	
27	Atnd and toll operator release						MO	○	●	●	○	○	Console idle
28	Calling and called customers release							○	●	●	●	●	Trunk idle

TABLE N

ATTENDANT SIGNALS SUPERVISOR

		CONDITION							RESULTS
S T E P	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE							REMARKS
		KEYS	LAMPS						
		SUPV	PA RLS	RDY	SUPV	TRK	SRC	DEST	
1	Idle condition		○	●	●	●	●	●	
2	Atnd requests supervisor assistance	MO	○	●	○	●	●	●	Supervisor turret receives signal
3	Supervisor connects to supervisor jacks on console		○	●	●	●	●	●	2-way conversation — atnd, supervisor
4	Supervisor disconnects from console		○	●	●	●	●	●	Console idle

TABLE O

NIGHT CONNECTION

S T E P	ACTION	1- AND 2-TYPE TELEPHONE CONSOLE						REMARKS
		KEYS	LAMPS					
		NITE	PA RLS	NITE	TRK	SRC	DEST	
1	Idle condition		○	●	●	●	●	Console idle
2	Atnd transfers to night connection	MO	○	○	●	●	●	Calls transferred to night answer station
3	Atnd removes headset		●	○	●	●	●	