

REPLACING PAGE ADDENDUM

Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
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ADDENDUM 536-580-310

Issue 1, March 1971

**ATTENDANT CONSOLE
29A2-TYPE CONSOLE
METHOD OF OPERATION
558A PBX**

1. GENERAL

1.001 This addendum supplements Section 536-580-310, Issue 1. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to add changes in Parts 1 and 2 of this section.

1. GENERAL

The following change applies to Part 1 of this section:

- (a) 1.03—deleted

2. METHOD OF OPERATION

The following changes apply to Part 2 of this section:

- (a) 2.02—revised
(b) Table A—revised
(c) Table B—revised

Attached:

**Page 1 dated March, 1971—revised
Page 2 dated March, 1971—revised
Page 3 dated March, 1971—revised
Page 4 dated March, 1971—reissued**

ATTENDANT CONSOLE
29A2-TYPE CONSOLE
METHOD OF OPERATION
558A PBX

1. GENERAL

1.01 This section covers the method of operating a 29A2-type telephone console as an attendant position of a 558A PBX. (See Tables A through F).

1.02 Information in this section is also intended for use as an overall operational test of the 558A PBX.

1.03 omitted

2. METHOD OF OPERATION

2.01 When overall operational tests of the PBX are made, PBX stations, central office trunks, CO test desks, etc, should be employed to establish the necessary conditions for tests. To test a particular circuit it may be necessary to remove from service or busy out, other circuits in the group to force its selection.

Caution: Care should be exercised in removing equipment from service during busy periods to prevent adverse service reactions.

2.02 The telephone console is equipped with nonlocking trunk pickup keys (TRK), station pickup keys (STA), and the following nonlocking common control keys: trunk hold (TRK HOLD), trunk release (TRK RLS), station release (STA RLS), position release (POS RLS), and attendant dial (ATND DIAL). The night key (NITE) is a locking key. A lever, which is located at the rear of the console, is provided for adjusting or changing the volume of the audible signal.

2.03 The attendant console control keys have the following functions:

- (a) STA- (10-49): Momentary operation to answer a station request for service or to terminate a call to a station. Attendant *cannot* reenter a station-to-station call.
- (b) TRK- (0-9): Momentary operation to answer an incoming call, to seize a trunk

to originate a call, to answer a recall signal, or to reenter a held trunk call.

(c) TRK HOLD: Momentary operation holds a trunk and releases the attendant from the position.

(d) TRK RLS: Momentary operation releases the trunk from the link circuit.

(e) ATND DIAL: Momentary operation connects the calling station (station-to-trunk call) to the connection.

(f) POS RLS: Momentary operation disconnects the attendant console (position) from all calls.

(g) STA RLS: Momentary operation releases the terminating (called) station from a connection.

(h) NITE: Push to operate and push to release. Operation of the key enables the night connections to be established per Table F.

2.04 The telephone console is equipped with the following lamps: TRK lamps, STA lamps, ATND DIAL lamp, NITE lamp, all paths busy lamp (ALL PATHS BUSY), and a trouble alarm lamp (TRBL ALM).

2.05 The attendant console control lamps have the following functions:

- (a) STA- (10-49): Dark — idle station. Steady light — station busy or being called. 60 ipm — station requesting service.
- (b) TRK- (0-9): Dark — idle trunk. Steady light — busy trunk. 30 ipm — trunk-to-station call — station being rung. 60 ipm — incoming call from central office. 120 ipm wink — trunk on hold. 120 ipm flash — recall from a station on a trunk-to-station call.
- (c) ATND DIAL: Steady light — indicates the attendant has seized a trunk on a station-to-trunk call; the station excluded from connection.

- (d) NITE: Steady light — indicates night connections may be established.
- (e) ALL PATHS BUSY: Steady light — indicates all links are busy.
- (f) TRBL ALM: Steady light — indicates blown fuse in ringing power supply, dc voltage supply, or 10 volt ac power supply. Also indicates loss of night connections due to commercial power failure.

2.06 *On calls terminated to a station the station key must be held depressed until the associated lamp is lighted and audible ringing tone is heard by the attendant.*

2.07 To provide conditions for ALL PATHS BUSY check (Table E), the installer must busy out links 0 through 8. This may be accomplished by using 349A make-busy plugs and inserting the plugs into the MB jacks of links 0 through 8. *The 349A make-busy plugs must be removed after the check is completed.*

2.08 The attendant may establish night connections through the console operation. The number of night connections depends on the number of central office trunks in service. A maximum of ten night connections may be provided if ten central office trunks are available. The trunks and stations must be idle at the time the connections are established.

2.09 The attendant ***must remove*** the handset/headset from the console jacks before leaving the console after arranging the night connections.

2.10 In case of a power failure, the night connections established by the attendant are disconnected. The five central office trunks (0 through 4) are connected to the five stations (10 through 14). These power failure connections remain in effect until the attendant returns to the console and releases the NITE key. In this case the power failure connections are released and the console and system is restored to the normal mode.

2.11 The attendant position may be equipped with a TOUCH-TONE® or rotary dial. The operational methods would be the same.

2.12 A typical 29A2-type attendant console may be seen in Section 536-580-210, Fig. 3.

2.13 Index for Typical Call Tables:

TABLE	TITLE	PAGE
◆	A LEGEND AND EXPLANATION	2◆
B	INCOMING CENTRAL OFFICE CALL	3
C	ATTENDANT ORIGINATED CALLS	5
D	STATION ORIGINATED CALLS	6
E	ALL PATHS BUSY	8
F	NIGHT SERVICE	11

→TABLE A — LEGEND AND EXPLANATION←







LEGEND			EXPLANATION
KEY OPERATION		LAMP CONDITION	
R	Released	Steadily lighted 	Key Operated
O	Operated	Dark 	Key Released
MO	Momentarily Operated	30 IPM Flash 	Trunk lamps flash at 30 IPM while the desired called station is being rung
		60 IPM Flash 	Station and trunk lamps flash at 60 IPM when requesting service.
		120 IPM Flash 	Trunk lamps flash at 120 IPM when stations recall attendant. (Flashes switchhook.)
		120 IPM Wink 	Trunk lamps wink at 120 IPM when placed on hold (TRK HOLD).

TABLE B
INCOMING CENTRAL OFFICE CALL

CONDITION				RESULTS		
STEP	ACTION	29A2-TYPE CONSOLE				REMARKS
		KEY			LAMPS	
		OPR	DESIG	TRK	STA	
1	Idle condition			●	●	
2	Ringinɡ from CO			60	●	Audible signal (60 ipm) sounds
3	Attendant answers	MO	TRK	○	●	Audible signal silenced — Conversation with CO satisfactory
		Call Extended to Idle Station				
4	Attendant operates STA key	MO	STA	30	○	Station ringer sounds. Audible ringing heard by CO party and attendant
5	Attendant releases	MO	POS RLS	30	○	Attendant removed from call
6	Station answers			○	○	Conversation between CO and station satisfactory
7	Station recalls attendant by flashing station switchhook			120	○	Audible signal (60 ipm) sounds
8	Attendant reenters call	MO	TRK		○	3-Way conversation satisfactory. Station requests CO trunk transfer to another station
9	Attendant releases called station	MO	STA RLS	○	●	Conversation between CO and attendant satis- factory
10	Attendant extends to desired station	MO	STA	30	○	Station ringer sounds. Audible ringing heard by CO party and attendant
11	Station answers			○	○	3-Way conversation satisfactory
12	Attendant releases	MO	POS RLS	○	○	Conversation between CO party and station satis- factory
13	CO party disconnects			○	○	

TABLE B (Cont)

CONDITION					RESULTS	
S T E P	ACTION	29A2-TYPE CONSOLE				REMARKS
			KEY	LAMPS		
		OPR	DESIG	TRK	STA	
14	Station disconnects			●	●	Console idle
		Attendant Holds Trunk				
15	Repeat Steps 1 through 3			○	●	Conversation between CO and attendant satisfactory
16	Attendant holds call	MO	TRK HOLD	Ⓢ 120 W	●	Attendant released from connection
17	Attendant reenters call	MO	TRK	○	●	
18	CO party releases			○	●	
19	Attendant releases	MO	POS RLS	●	●	CO trunk and console idle