

SYSTEM CENTURY® DCO

POWER-DOWN/POWER-UP
OPERATING PROCEDURES

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2.	Customer Equipment, Power-Down Procedures	9	1.	INTRODUCTION	
3.	Power, Ringing, and Test Access Selector Frame 2, Power-Down Procedure	9	1.01	This section provides procedures to power down and power up a SYSTEM CENTURY Digital Central Office (DCO) equipped with a Local Line Switch (LLS). These procedures must be followed when making wiring changes or when doing other work that	
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requires removal of power to one or more frames. The procedures are also used when restoring power after the cause of a power failure has been removed in one or more frames.

2. RELATED INFORMATION

2.01 A Sales and Instructional Literature Index of latest available publications can be obtained from your Stromberg-Carlson sales representative or from Publications Services, Stromberg-Carlson Corporation, 400 Rinehart Road, Lake Mary, Florida 32746.

3. SPECIAL INSTRUCTIONS

3.01 Before applying power to a frame, refer to the associated table in this document for power removal procedures, then set circuit breakers, switches,

etc. to the indicated positions. This minimizes problems when restoring power. Make sure that power removal has been completed before power restoral procedures are done.

CAUTION. Attempting to shorten a procedure by omitting steps that require removal of equipment from service can cause serious circuit or system malfunctions.

4. CONTROLS AND INDICATORS

4.01 Controls and indicators related to power-down or power-up procedures are described in table 1.

Table 1. Controls and Indicators Related to Power-Down/Power-Up Procedures

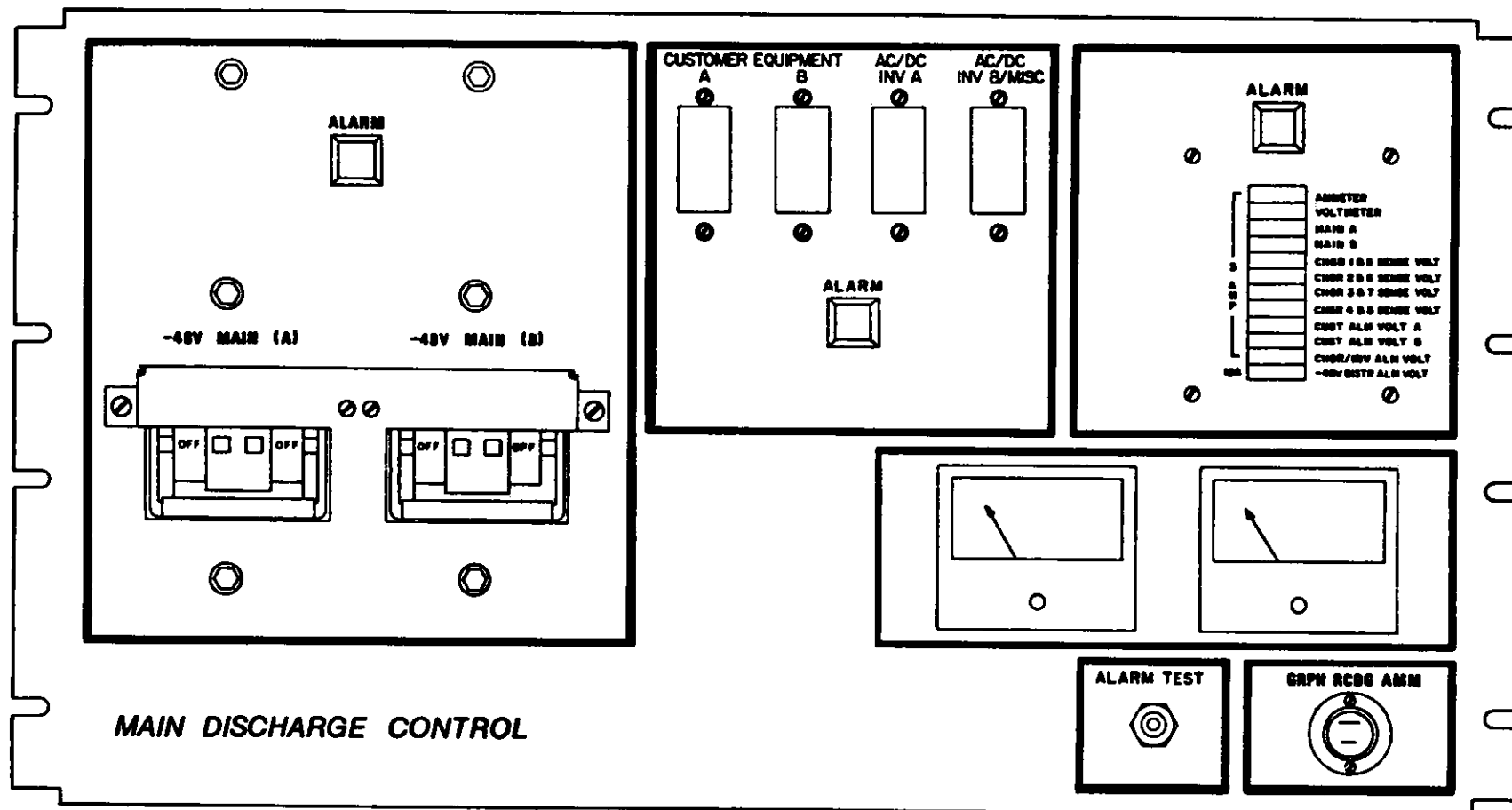
CONTROL/INDICATOR	TYPE	FUNCTION
Main Discharge Control Panels (Fig. 1 and 2)		
-48V MAIN (A) or (B)	Circuit breaker, 225A	Controls application of -48 volts from rectifier/charger units to power distribution panel A or B.
-48V MAIN (A) or (B) ALARM	Lamp, red	Lights when -48V MAIN (A) or (B) circuit breaker is in OFF position.
CUSTOMER EQUIPMENT A or B	Circuit breaker, 100A	Controls application of -48 volts from rectifier/charger units to customer-supplied equipment.
AC/DC INV A or AC/DC INV B/MISC	Circuit breaker, 100A	Controls application of -48 volts from rectifier/charger units to ac/dc inverters and miscellaneous circuits.
CUSTOMER EQUIPMENT A or B or AC/DC INV A or AC/DC INV B/MISC ALARM	Lamp, red	Lights when any associated circuit breaker is in OFF position.
Power Distribution Panels (Fig. 3)		
PRT	Circuit breaker, 100A	Distribute A and B -48-volt power to circuits in power, ringing, and test access selector frame(s).

Table 1. Controls and Indicators Related to Power-Down/Power-Up Procedures (Cont)

<i>CONTROL/INDICATOR</i>	<i>TYPE</i>	<i>FUNCTION</i>
MAF	Circuit breaker, 100A	Distribute A and B -48-volt power to maintenance and administration frame (except basic maintenance panel).
M&A	Circuit breaker, 100A	Distributes A -48-volt power to basic maintenance panel.
CCF	Circuit breaker, 100A	Distribute A and B -48-volt power to common control frames.
CEF	Circuit breaker, 100A	Distribute A and B -48-volt power to common equipment frame.
LTF	Circuit breaker, 100A	Distribute A and B -48-volt power to line/trunk frames.
LLS	Circuit breaker, 100A	Distribute A and B -48-volt power to local line switch frames.
AMA	Circuit breaker, 100A	Distribute A and B -48-volt power to automatic message accounting frame.
CUST	Circuit breakers	Distribute A and B -48 volt power to customer supplied equipment.
Line/Trunk Frame Supervisory Panel (Fig. 4)		
PWR SUP ALM	Light-emitting diode (LED), red	Lights when power supply fails in line/trunk frame.
THERMAL ALM	LED, red	Lights when ambient temperature rises above predetermined level.
FUSE ALM	LED, red	Lights when one of GMT fuses on panel operates.
LAMP TEST	Pushbutton	When pressed, tests LEDs on panel.
FUSE ALM RST	Toggle switch, nonlocking	When momentarily pressed, resets fuse alarm circuitry on panel.
Other controls and indicators are not used.		

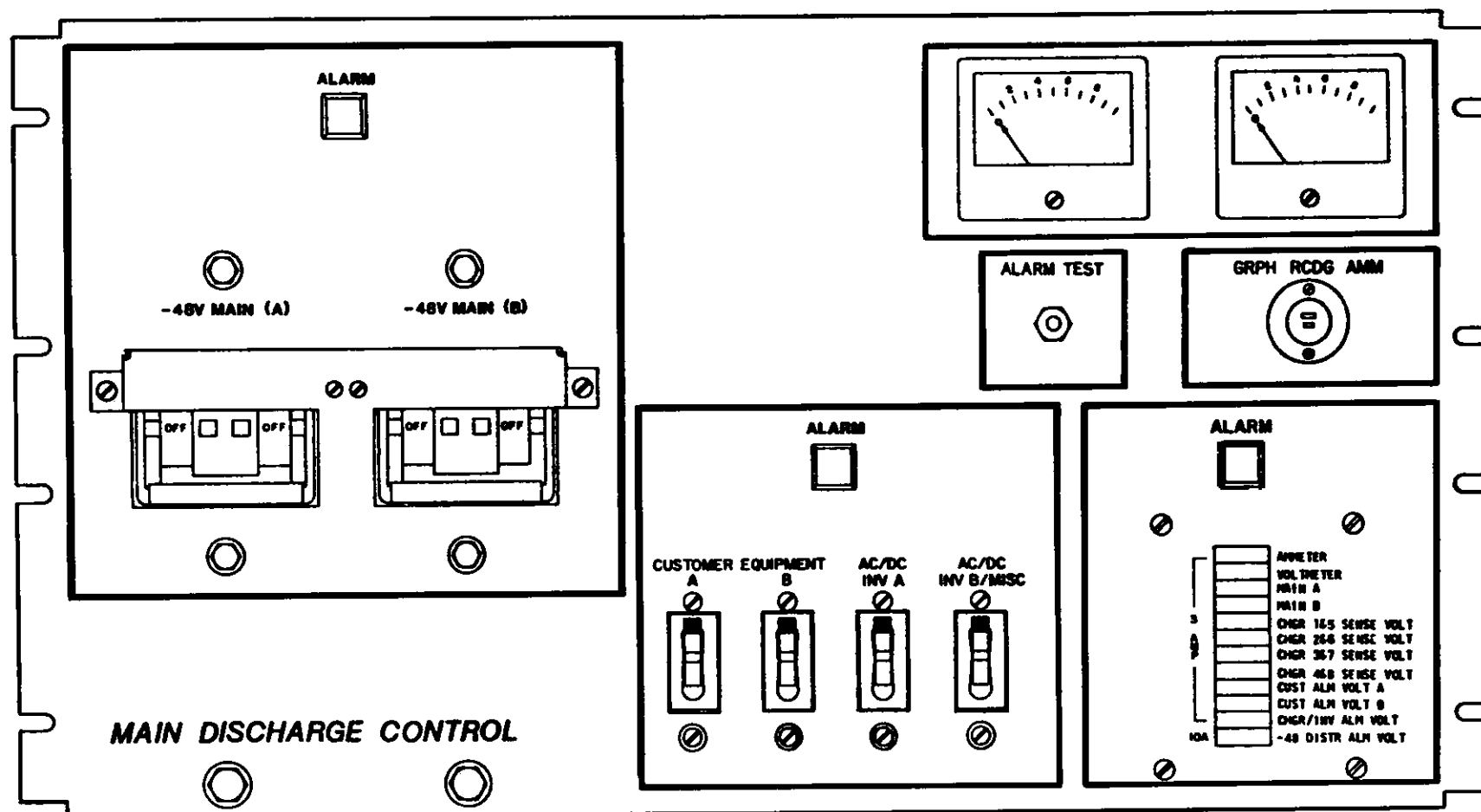
Table 1. Controls and Indicators Related to Power-Down/Power-Up Procedures (Cont)

<i>CONTROL/INDICATOR</i>	<i>TYPE</i>	<i>FUNCTION</i>
Local Line Switch Frame Supervisory Panel (Fig. 5)		
ON LINE X, Y	LEDs, green	Indicate on-line line switch controller (LSC) cell.
ON LINE C, D	LEDs, green	Indicate on-line line group highway switch.
X/AUTO/Y	Rotary switch	Used to manually put LSC X or Y cell on-line. AUTO position allows maintenance and diagnostic controller to select on-line cell.
C/AUTO/D	Rotary switch	Used to manually put line group highway switch C or D on-line. AUTO position allows maintenance and diagnostic controller to select on-line circuit.
MANUAL MODE	LED, yellow	Lights when X/AUTO/Y or C/AUTO/D switch is not in AUTO position.
FUSE ALM RST	Toggle switch, nonlocking	When momentarily operated, resets fuse alarm circuitry on panel.
FRAME ALARM	LED, red	Lights when an alarm condition occurs in the LLS frame.
MFRB 0, 1, 2, and 3	Toggle switches, locking	Control application of multifrequency ringing bus (MFRB) signals to circuits in LLS frame.
CONT RING	Toggle switch	Controls application of continuous ringing voltage to circuits in LLS frame.
+130V COIN and -130V COIN	Toggle switches	Control application of coin-collect and coin-return voltage to paystation line circuits in LLS frame.
WATCHDOG TIMER	Toggle switch	ON position causes LSC watchdog timers to run continuously and be reset regularly by the LSC software. If reset does not occur within specified time, red FRAME ALARM LED lights. OFF position disables timer.
Local Line Switch Frame Power		
FRAME POWER X, Y	Circuit breakers	Control application of -48-volt power to cells on left (X) of right (Y) side of frame.



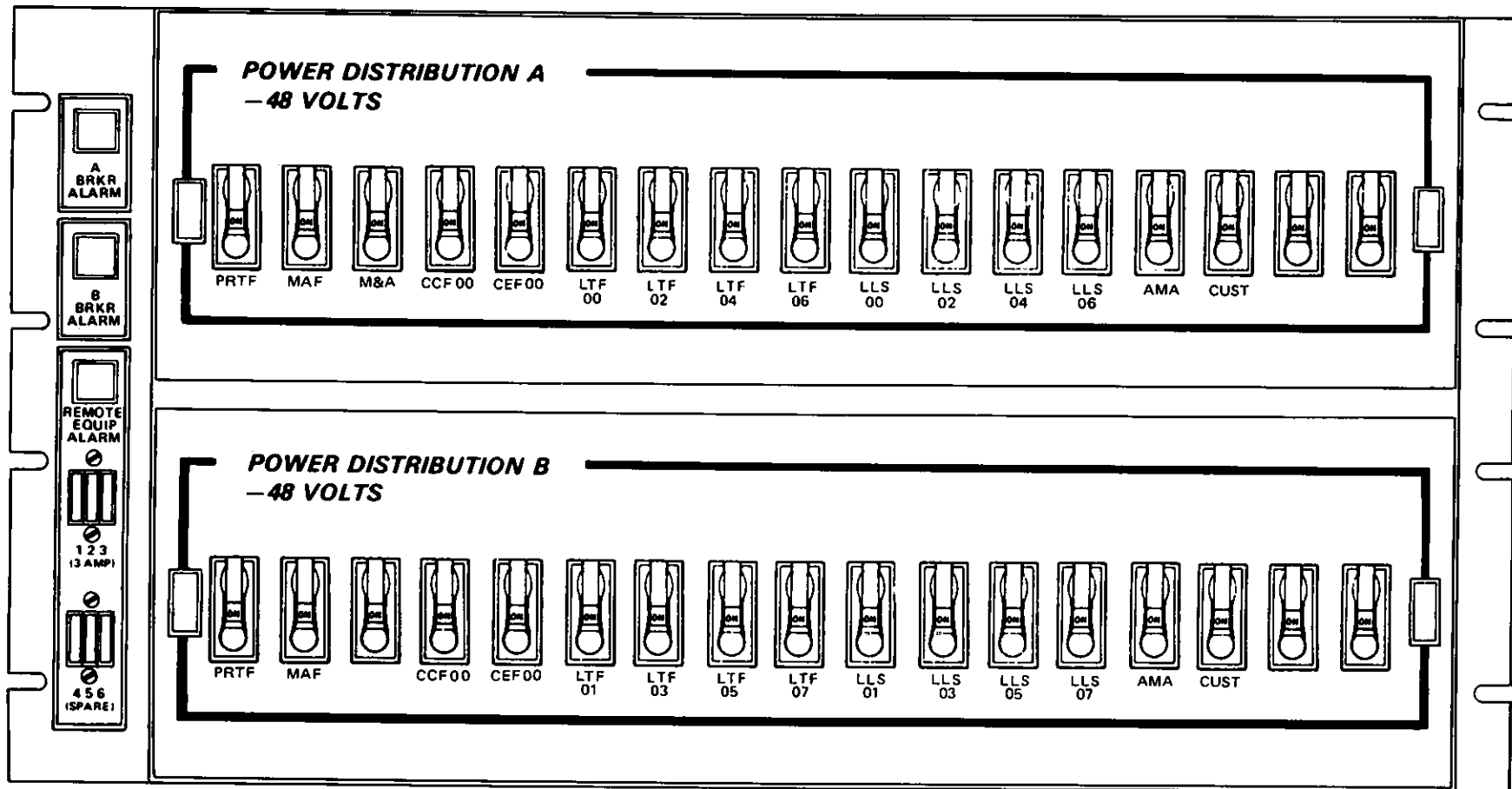
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Figure 1. Upper Main Discharge Control Panel Mounted on MDCF



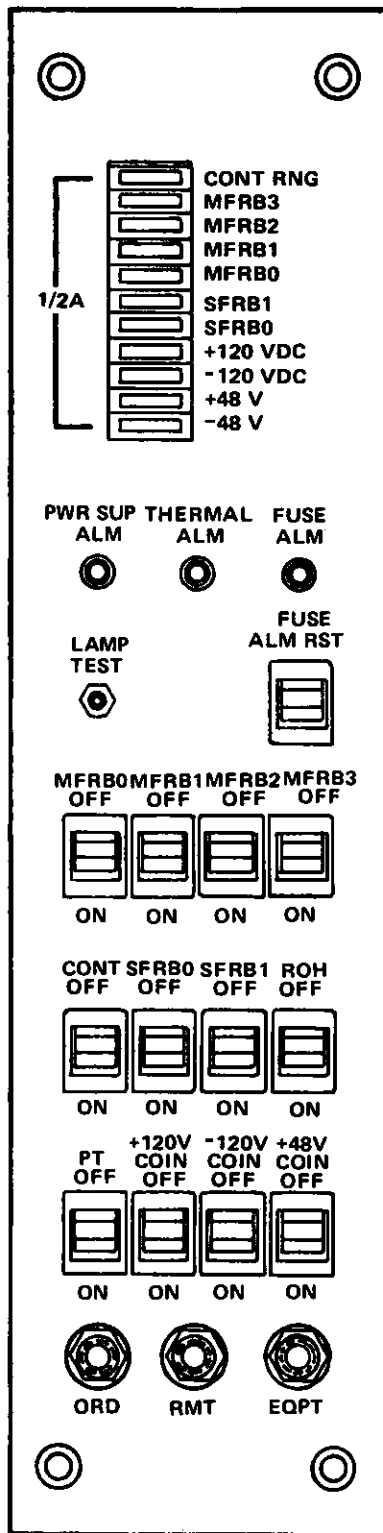
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Figure 2. Lower Main Discharge Control Panel Mounted on MDCF



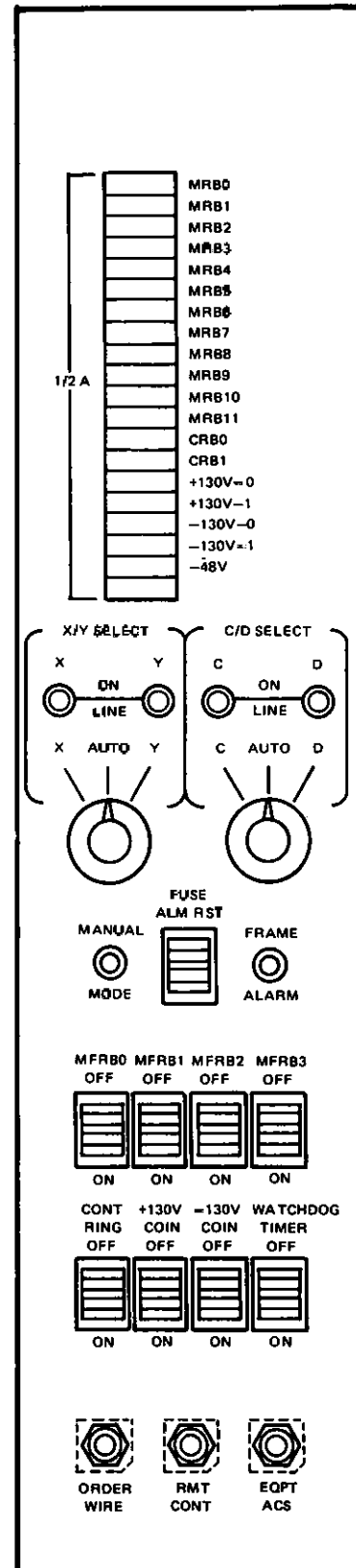
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Figure 3. Typical Power Distribution Panels Mounted on Power, Ringing, and Test Access Selector Frame



CP 7358

Figure 4. Line/Trunk Frame Supervisory Panel



CP 9081

Figure 5. Local Line Switch Frame Supervisory Panel

5. POWER-DOWN PROCEDURES

NOTE. In emergency situations, the step-by-step power-down procedure(s) can be eliminated, and power can be removed immediately by opening the applicable circuit breakers on the power frame(s).

5.01 To remove power from one or more frames, or portions of the system, do the applicable steps in tables 2 through 12. When not all of the equipment in a frame is to be turned off, do only the steps required to turn off the desired equipment.

5.02 When removing fuses, either tape them near the associated fuse holders or separate them according to rating and type.

6. POWER-UP PROCEDURES

NOTE. Before turning on any power, ensure that all circuit breakers and power-related switches in each DCO frame are in the OFF position. Remove all fuses and either tape them near the associated fuse holders or separate them according to rating and type.

6.01 To restore power after a power failure or power removal, follow the procedures for applying power to individual frames in table 13 through 23. These procedures must be done in the order provided after power has been removed from the entire system.

Table 2. Customer Equipment, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Turn off power and remove fuses from customer-supplied equipment according to manufacturer's instructions.	All power is removed from customer-supplied equipment.
2	Set to OFF position CUST circuit breakers on POWER DISTRIBUTION A and B panels on power, ringing, and test access selector (PRT) 1 frame.	

Table 3. Power, Ringing, and Test Access Selector Frame 2, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
	<i>NOTE.</i> Because various equipment can be mounted in this frame, these instructions are general. Use discretion and good judgement when removing power.	
1	Remove fuse on first circuit below maintenance expansion cell on PRT 2 frame.	Power is removed from associated circuit.
2	Repeat step 1 for each item of equipment that is fused.	Same as step 1.
3	Set to OFF position PRT circuit breakers on POWER DISTRIBUTION A and B panels on PRT 2 frame.	Power is removed from all circuits mounted in PRT 2 frame.

Table 4. Common Equipment Frame, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Remove 3-A fuse F1 on first cell power supply, or fuse on announcer circuit, etc., in common equipment frame (CEF) to be powered down.	Power is removed from associated cell or circuit.
2	Repeat step 1 for each fused circuit in CEF.	Same as step 1.
3	Set to OFF position CEF circuit breakers on POWER DISTRIBUTION A and B panels on PRT 1 frame.	Power is removed from all circuits in CEF.

Table 5. Line/Trunk Frames, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Remove all fuses on frame supervisory circuit on right side of line/trunk frame to be powered down.	Supervisory circuit is disabled.
2	Remove 3-A fuse F1 on cell power supply in top cell of LTF.	Power is removed from cell.
3	Repeat step 2 for each cell in LTF.	Same as step 2.
4	Set to OFF position the LTF circuit breaker for LTF being powered down on POWER DISTRIBUTION panel on PRT frame.	All power is removed from associated LTF.
5	Repeat steps 1 through 4 for each LTF to be powered down.	Same as steps 1 through 4.

Table 6. Local Line Switch Frame, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to OFF position, all toggle switches except WATCHDOG TIMER on supervisory panel on LLS frame to be powered down.	Signals and voltages distributed through supervisory circuit are removed.
2	Remove all fuses from supervisory panel.	Supervisory circuit is disabled.
3	Remove fuse F1 from cell power supply in X and Y line switch controller (LSC) cells (top cells in frame).	Power is removed from PWBAs in LSC cells.

Table 6. Local Line Switch Frame, Power-Down Procedure (Cont)

STEP	ACTION	RESULT
4	Remove fuses F1, F2, and F3 from cell power supply in each line group cell.	Power is removed from PWBA's in line group cells.
5	Set to OFF position circuit breakers X and Y on FRAME POWER panel.	Power is removed from all cells in frame.
6	Set to OFF position the LLS circuit breakers for LLS frame being powered down on POWER DISTRIBUTION panel on PRT frame.	All power is removed from associated LLS frame.
7	Repeat steps 1 through 6 for each LLS frame to be powered down.	Same as steps 1 through 6.

Table 7. Power, Ringing, and Test Access Selector Frame 1, Power-Down Procedure

STEP	ACTION	RESULT
	<i>NOTE. Because various equipment can be mounted in this frame, these instructions are general. Use discretion and good judgement when removing power.</i>	
1	Remove fuse on first circuit below POWER DISTRIBUTION B panel on PRT 1 frame.	Power is removed from associated circuit.
2	Repeat step 1 for each item of equipment mounted in PRT 1 frame.	Same as step 1.
3	Set to OFF position PRT circuit breakers on POWER DISTRIBUTION A and B panels on PRT 1 frame.	Power is removed from all circuits mounted in PRT 1 frame.

Table 8. Call-Processing System B, Power-Down Procedure

STEP	ACTION	RESULT
1	Remove fuses from power supplies serving bottom cell of common control frame (CCF) 00; this cell contains timeslot interchange (TSI) and common control circuits for second 1920 timeslots served by call-processing system (CPS) B.	Power is removed from TSI/port control system cell for second 1920 timeslots served by CPS B in this CCF.

Table 8. Call-Processing System B, Power-Down Procedure (Cont)

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
2	Remove fuses from power supplies serving second cell from top of CCF 00; this cell contains TSI and common control circuits for first 1920 timeslots served by CPS B.	Power is removed from TSI/port control system cell for first 1920 timeslots served by CPS B in this CCF.
3	Repeat steps 1 and 2 for each CCF equipped.	Same as steps 1 and 2.
4	Remove fuses from power supplies serving bottom cell in MAF; this cell contains call processor, tone, and pulse circuits for CPS B.	Power is removed from call processor, tone, and pulse circuits for CPS B.

Table 9. Call-Processing System A, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Remove fuses from power supplies serving second cell from bottom of CCF 00; this cell contains TSI and common control circuits for second 1920 timeslots served by CPS A.	Power is removed from TSI/port control system cell for second 1920 timeslots served by CPS A in this CCF.
2	Remove fuses from power supplies serving top cell of CCF 00; this cell contains TSI and common control circuits for first 1920 timeslots served by CPS A.	Power is removed from TSI/port control system cell for first 1920 timeslots served by CPS A in this CCF.
3	If power is to be removed from entire CCF, do step 4 of this table; otherwise, proceed to step 5.	
4	Set to OFF position the CCF circuit breakers on POWER DISTRIBUTION A and B panels on PRT1 frame (common controls 0 and 1) or PRT2 frame (common controls 2 and 3).	Power is removed from CCF.
5	Repeat steps 1 through 4 for each CCF equipped.	Same as steps 1 through 4.
6	Remove fuses from power supplies serving second cell from bottom of MAF; this cell contains call processor, tone, and pulse circuits for CPS A.	Power is removed from call processor, tone, and pulse circuits for CPS A.

Table 10. Maintenance and Administration Cells, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Remove floppy disk in top cell of MAF.	Power is removed from maintenance and administration cell and maintenance and test access selector control cell.
2	Remove fuses from power supplies serving top two cells in MAF.	
3	If power is to be removed from entire MAF, do step 4 of table 8 and step 6 of table 9.	
4	Set to OFF position MAF and M&A circuit breakers on POWER DISTRIBUTION A and B panels on PRT frame.	Power is removed from MAF.

Table 11. Automatic Message Accounting Frame, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	On each tape transport (X and Y) on automatic message accounting frame (AMAF), momentarily press POWER button.	Lighted POWER buttons go dark. Power is removed from tape transports.
2	On each cell power supply in tape control cell, remove 3-A fuse F1.	Power is removed from all circuits in cell.
3	Set to OFF position AMA circuit breakers on POWER DISTRIBUTION panels A and B on PRT frame. (AMA side X is served by POWER DISTRIBUTION A panel, and AMA side Y is served by POWER DISTRIBUTION B panel.)	All power is removed from AMAF.

Table 12. Main Discharge Control Frame, Power-Down Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to OFF position CUSTOMER EQUIPMENT A and B circuit breakers on upper MAIN DISCHARGE CONTROL panel on first main discharge control frame (MDCF) (also called battery discharge frame or BDF).	Power is removed from customer equipment.
2	Repeat step 1 for each MDCF equipped.	Same as step 1.

Table 12. Main Discharge Control Frame, Power-Down Procedure (Cont)

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
3	Set to OFF position the -48V MAIN (A) and -48V MAIN (B) circuit breakers on upper MAIN DISCHARGE CONTROL panel on first MDCF.	All 48-volt power is removed from associated equipment.
4	Repeat step 3 for each MAIN DISCHARGE CONTROL PANEL equipped.	Same as step 3.

Table 13. Main Discharge Control Frame, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	If previously removed, insert 3-A (blue) GMT fuses in positions 1 through 12 and 10-A (red/white) fuse in position 13 in fuse holders on upper MAIN DISCHARGE CONTROL PANEL on first MDCF.	Voltmeter on each panel indicates approximately 48 volts.
2	Repeat step 1 for each MAIN DISCHARGE CONTROL panel equipped.	
3	Set to ON position the -48V MAIN (A) and -48V MAIN (B) circuit breakers on upper MAIN DISCHARGE CONTROL panel on first MDCF.	
4	Repeat step 3 for each MAIN DISCHARGE CONTROL panel equipped.	Same as step 3.
5	Set to ON position CUSTOMER EQUIPMENT A and B circuit breakers on upper MAIN DISCHARGE CONTROL panel on first MDCF.	Power is applied to customer equipment.
6	Repeat step 5 for each MDCF equipped.	Same as step 5.

Table 14. Automatic Message Accounting Frame, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position AMA circuit breakers on POWER DISTRIBUTION panels A and B on PRT frame (AMA side X is served by POWER DISTRIBUTION A panel, and AMA side Y is served by POWER DISTRIBUTION B panel.)	Power is applied to AMAF.

Table 14. Automatic Message Accounting Frame, Power-Up Procedure (Cont)

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
2	On each cell power supply in tape control cell, insert 3-A (blue) GMT fuse in fuse holder F1.	Power is applied to all circuits in cell.
3	On each tape transport (X and Y) on AMAF, momentarily press POWER button.	POWER buttons light. Power is applied to tape transports.

Table 15. Maintenance and Administration Cells, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set MANUAL SW/OVER switch on basic maintenance panel to AUTO position.	Power is applied to MAF.
2	Set MP switch in maintenance and administration cell (second cell in MAF) to RUN position.	
3	Set to ON position MAF and M&A circuit breakers on POWER DISTRIBUTION A and B panels on PRT frame.	
4	Insert 10- and 20-A AGC fuses as indicated on rear of power supplies serving second cell in MAF.	Power is applied to maintenance and administration cell.
5	Insert 180-mA (yellow) GMT fuses and 10-A AGC fuse as indicated on rear of power supplies serving basic maintenance panel.	Power is applied to basic maintenance panel.
6	Insert 2-A, slow-blow fuse in fuse holder on rear of floppy disk system in top cell of MAF.	Power is applied to floppy disk system.

Table 16. Call-Processing System A, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
	<i>NOTE. Before doing this procedure, do maintenance and administration cells power-up procedure (table 15).</i>	
1	Insert 180-mA (yellow) GMT fuse and 10-A AGC fuse as indicated on rear of power supplies serving next to bottom cell of MAF; this cell contains call processor, tone, and pulse circuits for CPS A.	Power is applied to call processor, tone, and pulse circuits for CPS A.

Table 16. Call-Processing System A, Power-Up Procedure (Cont)

STEP	ACTION	RESULT
2	Set CCF 0 circuit breakers on POWER DISTRIBUTION A and B panels of PRT frame to ON position.	Power is applied to CCF 00.
3	Insert 10- and 20-A AGC fuses as indicated on rear of power supplies serving top cell in CCF 00; this cell contains TSI and common control circuits for first 1920 timeslots served by CPS A.	Power is applied to TSI/port control system cell for first 1920 timeslots served by CPS A.
4	Insert 10- and 20-A AGC fuses as indicated on rear of power supplies serving next to bottom cell of CCF 00; this cell contains TSI and common control circuits for second 1920 timeslots served by CPS A.	Power is applied to TSI/port control system cell for second 1920 timeslots served by CPS A.
5	Repeat steps 2 through 4 for each CCF equipped.	Power is applied to remainder of CPS A.
6	Set to RUN position CPA switch in call processor, tone, and pulse cell A (next to bottom cell in MAF).	

Table 17. Call-Processing System B, Power-Up Procedure

STEP	ACTION	RESULT
	<i>NOTE. Before doing this procedure, do maintenance and administration cells power-up procedure (table 15).</i>	
1	Insert 180-mA (yellow) GMT fuse and 10-A AGC fuse as indicated on rear of power supplies serving next to bottom cell of MAF; this cell contains call processor, tone, and pulse circuits for CPS B.	Power is applied to call processor, tone, and pulse circuits for CPS B.
2	Set to ON position CCF 0 circuit breakers on POWER DISTRIBUTION A and B panels on PRT frame.	Power is applied to CCF 00.
3	Insert 10- and 20-A AGC fuses as indicated on rear of power supplies serving second cell from top of CCF 00; this cell contains TSI and common control circuits for first 1920 timeslots served by CPS B.	Power is applied to TSI/port control system cell for first 1920 timeslots served by CPS B.
4	Insert 10- and 20-A AGC fuses as indicated on rear of power supplies serving bottom cell of CCF 00; this cell contains TSI and common control circuits for second 1920 timeslots served by CPS B.	Power is applied to TSI/port control system cell for second 1920 timeslots served by CPS B.

Table 17. Call-Processing System B, Power-Up Procedure (Cont)

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
5	Repeat steps 2 through 4 for each CCF equipped.	Power is applied to remainder of CPS B.
6	Set to RUN position CPB switch in call processor, tone, and pulse cell B (bottom cell in MAF).	

Table 18. Power, Ringing, and Test Access Selector Frame 1, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position PRT circuit breakers on POWER DISTRIBUTION A and B panels on PRT 1 frame.	Power is made available to ringing generator, announcers, etc., in PRT 1 frame.
2	Insert required fuse in fuse holder on first circuit below POWER DISTRIBUTION B panel on PRT 1 frame.	Power is applied to associated circuit.
3	Repeat step 2 for each item of equipment mounted in PRT 1 frame.	Same as step 2.

Table 19. Local Line Switch Frame, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position LLS circuit breaker for LLS frame being powered up on POWER DISTRIBUTION panel on PRT frame.	Power is applied to associated LLS frame.
2	Set to ON position circuit breakers X and Y on FRAME POWER panel on LLS frame being powered up.	Power is applied to all cells in frame.
3	Insert 3-A (blue) GMT fuses in fuse holders F1, F2, and F3 on cell power supply in each line group cell.	Power is applied to PWBAs in each cell as fuses are inserted.
4	Insert 5-A (green) GMT fuses in fuse holder F1 on cell power supply in X and Y LSC cells (top cells in frame).	Power is applied to PWBAs in each cell
5	Insert 0.5-A (red) GMT fuses in fuse holders on frame supervisory panel.	
6	Set all toggle switches on frame supervisory panel to ON position.	Signals and voltages controlled by toggle switches are distributed throughout LLS frame, as required.

Table 19. Local Line Switch Frame, Power-Up Procedure (Cont)

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
7	Repeat steps 1 through 6 for each LLS frame to be powered up.	Same as steps 1 through 6.

Table 20. Line/Trunk Frames, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position LTF 00 circuit breaker on POWER DISTRIBUTION A panel of PRT 1 frame.	Power is applied to first LTF.
2	Insert 3-A (blue) GMT fuse in fuse holder F1 on cell power supply in bottom cell of first LTF.	Power is applied to first cell in first LTF.
3	Repeat step 2 for each cell in first LTF.	Power is applied to remaining cells in first LTF.
4	Insert 0.5-A (red) GMT fuses in fuse holders on frame supervisory circuit on right-hand side of first LTF.	
5	Set all toggle switches on frame supervisory circuit to ON position.	Signals and voltage controlled by toggle switches are distributed throughout first LTF, as required.
6	Repeat steps 1 through 5 for each LTF equipped.	Power is applied to remaining LTF.

Table 21. Common Equipment Frame, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position CEF circuit breakers on POWER DISTRIBUTION A and B panels on PRT 1 frame.	Power is applied to CEF 00.
2	Insert proper fuse in fuse holder on first cell power supply, annunciator circuit, etc., in CEF 00.	Power is applied to associated cell or circuit.
3	Repeat step 2 for each fused circuit in CEF 00.	Power is applied to remaining circuits in CEF.

Table 22. Power Ringing, and Test Access Selector Frame 2, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position PRT circuit breakers on POWER DISTRIBUTION A and B panels on PRT 2 frame.	Power is made available to circuits mounted in PRT 2 frame.
2	Insert proper fuse in fuse holder on first fused circuit located below the maintenance expansion cell on PRT 2 frame.	Power is applied to associated circuit.
3	Repeat step 2 for each item of equipment mounted in PRT 2 frame.	

Table 23. Customer Equipment and Teletypewriter, Power-Up Procedure

<i>STEP</i>	<i>ACTION</i>	<i>RESULT</i>
1	Set to ON position CUST circuit breakers on POWER DISTRIBUTION A and B panels on PRT frame.	Power is made available to customer-supplied equipment.
2	Insert fuses and apply power to customer-supplied equipment according to manufacturer's instructions.	
3	Set LINE/OFF/LOCAL switch on teletypewriter to LINE position.	



Cut along Line

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Cut Along Line

"Communications for the Information Century"

Cut Along Line

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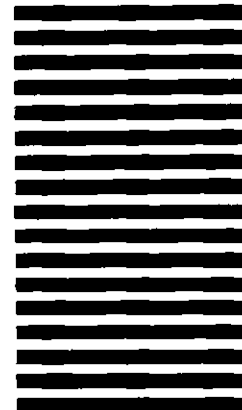
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