

STATION BATTERY ISOLATION AND RETURN  
TO NORMAL FOR DISCHARGE TESTING U2 125 VDC BATTERY

DOP 6900-11  
Revision 2  
August 1979

A. PURPOSE

The purpose of this procedure is to provide the steps necessary to isolate the U2 125VDC battery for the battery discharge test and then return the U2 125VDC battery to normal.

B. REFERENCES

1. DOS 6900-2 (Station Battery Capacity Test).
2. DIIP 8300-6 (Battery Discharge Test - load box connection)
3. 12E2322
4. 12E2055

C. PREREQUISITES

Notify the Shift Supervisor and the U2 operator of the intention to isolate the U2 125VDC battery.

D. PRECAUTIONS

The following loads are fed from the turbine bldg 125VDC Main Bus No. 2 and failure to properly "Isolate" and "Return to Normal" as per this procedure could result in a loss of power to one or more of the following loads:

1. 125 VDC Reactor Bldg Distribution Panel No. 2.
2. 4160V Sw Gr Bus 21.
3. 4160V Sw Gr Bus 22.
4. 4160V Sw Gr Bus 23.
5. 4160V Sw Gr Bus 24.
6. 480V Sw Gr Bus 25.
7. 480V Sw Gr Bus 26.
8. 480V Sw Gr Bus 27.
9. MCB D.C. Bus.
10. 345 kV Sw Yd Distribution Panel No. 1.

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11. Plant Sirens.
12. Computer Room Test Bench.
13. Gen. & Trans. Relaying and Metering Panel 902-29.
14. Gen. H<sub>2</sub> & Stator Cooling Panel 2252-7.
15. Fire Protection System CO<sub>2</sub> cabinet.
16. Trans. Fire Prot. Pnl & Rx Feedwater pump (wtr spray).
17. Gen. Field A.C.B. & Volt Reg. Cabinet 2252-6.
18. Escape lighting turbine room.
19. Escape Lighting Control Room.
20. Escape Lighting Radwaste Building.
21. Turbine EHC Cabinet 902-31.
22. Panel 902-39.
23. Aux. Elect. Equip. Room Panel 902-32.
24. H Storage Bank Control Panel 923-1.
25. Master Station Supervisory Cabinet.
26. Auto Blowdown Panel 902-32.
27. Radwaste Control Panel 2223-4.
28. Trans. Fire Prot. Pnl & H<sub>2</sub> Seal Oil Unit Cont. Pnl (Wtr Spray).
29. Flow Reg Station 480V MCC Mn Ckt Bkr.
30. Rx Prot. System Panel 902-15.
31. Annunc. Input Relay Cabinet 902-34.
32. 125VDC Supply to Res. Bus No. 3.
33. 125 VDC Res. Bus No. 2.

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E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

1. Verify that the U3 125 VDC battery is supplying its normal load.
2. Verify that the U3 125 VDC battery charger is charging the U3 125 VDC battery.

Battery Isolation

3. (a) CLOSE breaker C-1 (Turbine Building Main Bus #2 to Turbine Building Reserve Bus #2) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

- (b) OPEN breaker B-1 (U2 125VDC Battery and Charger Feed to Main Bus #2) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

- (c) OPEN breaker B-3 (U2 charger to Battery) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

- (d) Verify that breaker B-2 (U 2A charger to battery) as noted on Figure 1 is OPEN.

BACK TO NORMAL

4. (a) CLOSE breaker B-3 (U2 Charger to Battery) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

- (b) CLOSE breaker B-1 (U2 125VDC battery and Charger Feed to Main Bus) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

- (c) OPEN breaker C-1 (Turbine Building Main Bus #2 to Turbine Building Reserve Bus #2) as noted on Figure 1.

Operator \_\_\_\_\_ Date \_\_\_\_\_

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G. CHECKLISTS

1. Figure 1
2. Figure 2

H. TECHNICAL SPECIFICATION REFERENCES

3.9.A.5

3.9.B.3

4.9.B.1

4.9.B.2

4.9.B.3

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U2  
 TURBINE BUILDING 125 VDC DISTRIBUTION  
 PANEL #2 and 24/48 VDC SWITCH CENTERS 2A  
 and 2B

24/48VDC SWITCH CENTER 2B	A	B	C	D	E	24/48VDC SWITCH CENTER 2A
1 Neutron Monitors 24/48VDC Supply "B"	1. 125VDC Turb. Bldg Main Bus No. 2 to Turb. Bldg Res. Bus No. 3	1. 125VDC U2 Battery and Charger Feed to Turb. Bldg Main Bus. No. 2	1. 125VDC Turb. Bldg Main Bus No. 2 to Turb. Bldg Res. Bus #2	1. 125VDC Battery Charger Control	1. 125VDC Turb. Bldg Main Bus No. 3 to Turb. Bldg Res. Bus#2	1 Neutron Monitors 24/48VDC Supply "A"
	2. 125VDC Turb. Bldg. Main Bus No. 2 to Reactor Bldg Distr. Pnl. No. 2		2. 125VDC Main Bus Distribution Panel		2. 125VDC Turb. Bldg. Res. Bus No. 2 to Reactor Bldg. Distr. Pnl. No. 2	
2 24/48VDC Distr. Panel	3 Spare	2 125VDC 2A Charger to U2 Battery		2 Spare	3. 125VDC Turb. Bldg Res. Distr. Panel No. 2	2 24/48VDC Distribution Panel
	4 Spare	3 125VDC 2 Charger to U2 Battery				

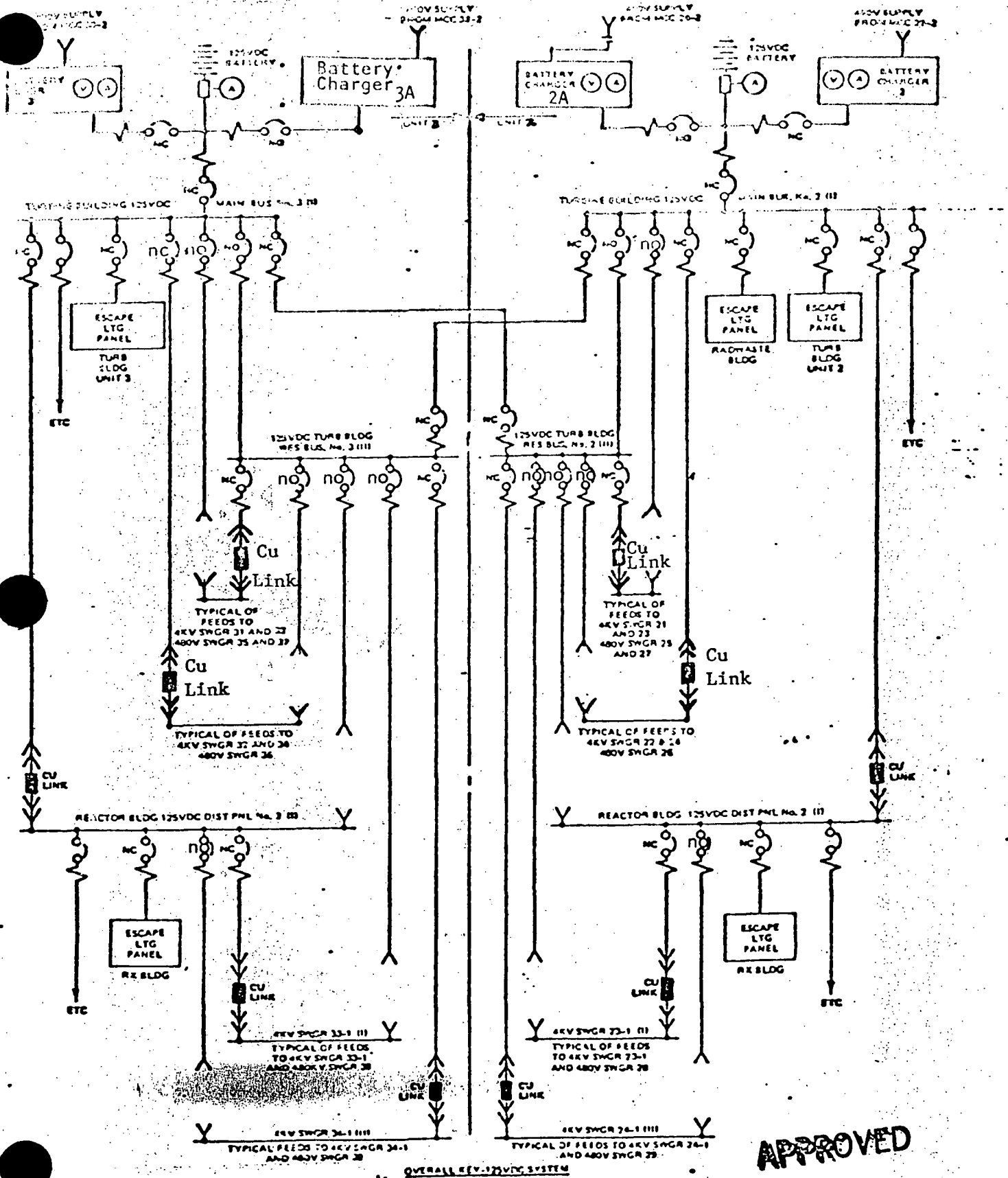
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FIGURE 1

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125-Vdc SYSTEM

Figure 2

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