

# WP 04-ED2306

Revision 0

## Powering Central UPS Loads via Power Conditioner

Technical Procedure

EFFECTIVE DATE: 12/03/98

Signature on File                      H. W. Bellows                      12/03/98  
SIGNATURE                                      PRINTED NAME                                      DATE

APPROVED FOR USE

### REVIEW ORGANIZATIONS

Facility Engineering	Facility Operations	
N/A	N/A	N/A

**TABLE OF CONTENTS**

INTRODUCTION ..... 3

REFERENCES ..... 3

PRECAUTIONS AND LIMITATIONS ..... 3

PERFORMANCE ..... 3

1.0 POWERING ESSENTIAL AND COMPUTER LOADS FROM POWER  
CONDITIONER 45P-PC04/1 ..... 3

2.0 REALIGNING ESSENTIAL AND COMPUTER LOADS TO NORMAL POWER  
SUPPLY VIA 45P-UPS03/2 ..... 4

3.0 RESTORING POWER TO LOADS REMOTELY DEENERGIZED FROM THE CMR  
..... 4

Attachment 1 - Sample Central UPS 45P-UPS03/2 and Supportive System Diagram . 6

## INTRODUCTION

This procedure provides instructions for powering the Central Uninterruptible Power Supply (UPS) essential and computer loads via the Power Conditioner 45P-PC04/1.

## REFERENCES

### BASELINE

- National Fire Protection Association (NFPA), Article 70, Information Technology Equipment
- Drawing 45-J-095-W, Central UPS (45P-UPS03/2) and Supportive System Single Line Diagram

## PRECAUTIONS AND LIMITATIONS

- The transfer motor circuit must be isolated (de-energized) when operating manual transfer switches 45P-SW03/57 or 45P-SW03/58 with the manual operating handle.
- Secure loads prior to operating transfer switches between Normal Source and Alternate Source positions.

## PERFORMANCE

### 1.0 POWERING ESSENTIAL AND COMPUTER LOADS FROM POWER CONDITIONER 45P-PC04/1

---

#### NOTE

Facility Shift Manager (FSM) approval must be obtained prior to transferring loads to the Alternate Power Source.

---

- 1.1 Verify breakers CB-B and CB-C are closed on Power Conditioner 45P-PC04/1.
- 1.2 Position Manual Transfer switch 45P-SW03/57 to the Alternate Source position for essential loads 45P-DP03/15, 41P-DP03/10, 41P-DP03/11, and 45P-DP03/17.

---

**NOTE**

Information Resources Management (IRM) approval must be obtained prior to transferring loads to the Alternate Source position.

---

1.3 Position Manual Transfer switch 45P-SW03/58 to the Alternate Source position for computer loads 45P-DP03/71A and 45P-DP03/71B.

2.0 REALIGNING ESSENTIAL AND COMPUTER LOADS TO NORMAL POWER SUPPLY VIA 45P-UPS03/2

---

**NOTE**

FSM approval must be obtained prior to transferring loads to the Normal Power Source.

---

2.1 Position Manual Transfer switch 45P-SW03/57 to the Normal Source position for essential loads 45P-DP03/15, 41P-DP03/10, 41P-DP03/11, and 45P-DP03/17.

---

**NOTE**

IRM approval must be obtained prior to transferring loads to the Normal Source position.

---

2.2 Position Manual Transfer switch 45P-SW03/58 to the Normal Source position for computer loads 45P-DP03/71A and 45P-DP03/71B.

3.0 RESTORING POWER TO LOADS REMOTELY DEENERGIZED FROM THE CMR

3.1 If the EMERGENCY STOP/POWER DISCONNECT was activated in the CMR, perform the following to reset power:

3.1.1 Reset power to 45P-DP03/17 by pressing the ENABLE/RESET pushbutton located on the lighting contactor box (LC) adjacent to 45P-DP03/15.

3.1.2 Reset power to 45P-DP03/71A and 45P-DP03/71B by performing the following:

[ A ] Open tripped breaker CB-C at Power Conditioner 45P-PC04/1.

[ B ] Open supply breaker 45P-CB03/2 at Central UPS 45P-UPS03/2.

- [ C ] Position Manual Transfer switch 45P-SW03/58 to the Neutral position, using the manual operation handle.
- [ D ] Close breaker CB-C at Power Conditioner 45P-PC04/1.
- [ E ] Close supply breaker 45P-CB03/2 at Central UPS 45P-UPS03/2.
- [ F ] Position Manual Transfer switch 45P-SW03/58 to the normal or alternate source as required.

Attachment 1 - Sample Central UPS 45P-UPS03/2 and Supportive System Diagram

