

## OPERATING PROCEDURE BUILDING 85.CHANGE OF LEAD FAN ARRANGEMENTS

### APPLICATION

Fans for Building 85 redundant air handling units AHU-1-85 and AHU-2-85, AHU-4-85 and AHU-5-85; fans for Building 85 redundant blowers BL-15-85 and BL-16-85, BL-17-85 and BL-18-85, BL-19-85 and BL-20-85.

### SPECIAL INSTRUCTIONS

- This procedure is used on a monthly basis to prove automatic failure switching controls and to change the lead/lag status of redundant fan sets, activating odd-numbered equipment (i.e., AHU-1-85, AHU-5-85, BL-15-85, BL-17-85, and BL-19-85) each odd month (Jan, Mar, May, etc), and even-numbered equipment in even months.
- This procedure must be carried out as near as possible to the first Friday of each month.
- The test will start at 0715. On the morning of the test, coordinate with an EMCS operator, who must be on standby at the EMCS host computer in 76-212A during this procedure.

### WORK STEPS

1. Make a local announcement on the Building 85 PA system that the test and changeover are about to start.
2. Establish communications with the EMCS operator.
3. **NOTE:** Step 4 will stop the fans, cause a fan FAILURE alarm, switch the lead/lag control, and test the fail-over system.
4. For operating fan systems, position BYPASS-OFF-VFD switches (H-O-A switches) to OFF.
5. **NOTE:** Wait for completion of the failure test and changeover before proceeding with Step 6.
6. Verify that the EMCS operator has cleared failure flags and verify correct damper positioning where appropriate.
7. Position all H-O-A switches to VFD.
8. Document the changeover in the log book.
9. Make a local announcement on the Building 85 PA system that the test and changeover are complete.

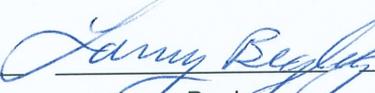
### REFERENCES

None.

### CONDITION CODE: COMMENT:

- 10 - No defects found
- 11 - Minor repair required
- 12 - Major repair required
- 13 - Replacement required

### RESPONSIBILITIES AND CONTROLS

Rev. No.	SME/Title	REV/Title	Approved/Title	Date	Effective Date
1	 Mike Botello PMT Lead	 Larry Begley Maintenance Supervisor	 Ken Fletcher Operations Department Head	6/11/09	6-11-09