

## Power Distribution Unit Maintenance Statement of Work – Service and Annual PM

### SCOPE OF WORK

GE Zenith Controls, Inc. – Power Quality Services will provide a field service engineer to perform “Scheduled PDU Maintenance Services” to assist Customer in the care and maintenance of PDUs used and operated in conjunction with an uninterruptible power system (UPS).

### TERM

Provisions of this Statement of Work shall remain in effect for the period indicated on Appendix I of this Agreement. PDU maintenance does require the Customer to remain active in the day-to-day routines recommended by the PDU manufacturer.

### SITE ACCESSIBILITY

The GEZ-PQS field service engineer shall have reasonable access to the site and to all Customer PDU maintenance records.

### LIMITATIONS

By performance of PDU maintenance as set forth in the terms of this Agreement, GEZ-PQS makes no additional or extended guarantees, warranty or representation either expressed or implied with respect to the PDUs, the quality of the material, equipment, or workmanship in the products in connection with any guarantee, warranty or representation as may have been applied in favor of the Customer at any time or otherwise by the PDU manufacturer.

**EQUIPMENT COVERAGE: SEE APPENDIX I**

**ANNUAL CHARGE: SEE APPENDIX I**

1. Replace air filters as needed. Filters will be provided by GEZ-PQS.
2. Clean the interior of the system. See Note 1
3. Inspect and correct as necessary all internal connections for proper torque. Includes Transformer, bus bars, breakers, junction boxes, and options wiring. See Note 1
4. Micro-ohm system breakers. See Note 1
5. Thermal scan all internal connections for over-temperature conditions. Includes Transformer, bus bars, breakers, junction boxes, and options wiring.
6. Record input / output Voltage and Current. Verify PDU Output Load does not exceed unit rating. Measure Neutral and Ground Currents. Verify Neutral Current does not exceed Neutral conductor capacity.
7. Inspect and correct as necessary all system alignments.
8. Inspect and correct as necessary local monitoring ( $\pm 2\%$  specified).
9. Inspect and correct as necessary proper output voltage for each internal power supply ( $\pm 1\%$  specified).
10. Inspect and correct as necessary proper filtering of power supply output voltage.
11. Confirm power supply redundancy if applicable.
12. Check for proper fan operation, if installed.
13. Verify remote monitoring operation, if installed.
14. Inspect and correct as necessary all operation of local and remote Emergency Power Off (EPO) controls and alarms. See Note 2.
15. Verify general environmental condition of system is being maintained to manufacturer's recommendations.
16. Provide remedial service response as contract customer on 24 hours a day, 7 days a week basis. Billable status defined in Appendix I.

### NOTES:

1. Requires removing all power from PDU input and output.
2. Tests of control functions only may be performed without loss of PDU output to critical loads. Verification of proper breaker operations will cause loss of PDU output.



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