

## Preventative Maintenance - Process Checklist

(Note: dependent on equipment type)

### Computer Room Systems:

- ✓ Change air filters (4" - 40% efficient)
- ✓ Check airflow through floor
- ✓ Check refrigerant charge
- ✓ Check wet bulb temperature
- ✓ Check relative humidity
- ✓ Check superheat at TX valve
- ✓ Check drain pan
- ✓ Check operating voltage
- ✓ Clean sensors
- ✓ Lubricate motors and bearings
- ✓ Check crankcase heater
- ✓ Check evaporator coil
- ✓ Check dry bulb temperature
- ✓ Check condenser coil and fans
- ✓ Check condenser limit control
- ✓ Check glycol pump(s) and change over
- ✓ Check microprocessor control panel and control operation
- ✓ Check Glycol consistency
- ✓ Check with computer operator for any problems

### Air Cooled Condenser:

- ✓ Check if 1st fan motor speed control (if applicable)
- ✓ Check operation of the fan motor stats

### Dry Cooler:

- ✓ Check pump operation
- ✓ Check water/glycol level in
- ✓ Check mixture
- ✓ Check for water leaks
- ✓ Verify pump control operation
- ✓ Check transformer

### Optional Annual Service (recommended for older units):

- ✓ Pump down efficiency test
- ✓ Compressor winding test
- ✓ Oil and refrigerant analysis
- ✓ Power wash condenser and coil