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	STANDARD: **ASHRAE TC 9.9 / ISO/IEC 27001**	AUDIT FREQUENCY: **Daily Pre-Shift**

Server Room Environmental Checklist Daily Log Sheet

Operational Scope: This log sheet establishes daily operational monitoring protocols for data center and server room environments to maintain optimal thermal and humidity ranges. The objective is to mitigate hardware thermal failure risks and ensure business continuity compliance.

MANDATORY PPE:	ESD Grounding Strap, Anti-Static Lab Coat, Safety Glasses (ANSI Z87.1), Steel-Toe Safety Boots, Hearing Protection (NRR 25dB+)
PREREQUISITES:	Verify facility access authorization credentials and security log. | Ensure portable testing equipment (thermometer, hygrometer) is calibrated.

HVAC AND ENVIRONMENTAL CONDITIONS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Ambient Room Temperature**	Ambient temperature falls within ASHRAE recommended range of 18°C to 27°C (64°F to 80°F).	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Relative Humidity (RH)**	Relative humidity levels read between 40% and 60% RH to prevent ESD or condensation risks.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**CRAC / CRAH Unit Operation**	Computer Room Air Conditioner units operating without error codes, unusual vibration, or airflow blockages.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Raised Floor Plenum Airflow**	Perforated floor tiles unobstructed by cables, boxes, or debris, ensuring proper cold aisle containment.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

POWER INFRASTRUCTURE AND SAFETY SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**UPS Battery Status**	Uninterruptible Power Supply displays normal status with zero active battery faults or bypass warnings.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Emergency Power Off (EPO) Guards**	EPO clear plastic safety covers intact and completely unobstructed for emergency access.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Fire Suppression System Panel**	Clean agent fire suppression control panel reads 'Normal' with no trouble or discharge alarms active.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Water Leak Detection Sensors**	Sub-floor water rope sensors active, tested, and clear of moisture along perimeter walls and HVAC units.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

PHYSICAL SECURITY AND HOUSEKEEPING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
9	**Server Room Access Doors**	All entry doors securely latched, access control card readers functioning, and no propped doors.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Aisle Cleanliness & Debris Control**	Hot and cold aisles free from packaging materials, cardboard boxes, and flammable debris.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Facility Technician / Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Data Center Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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