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	STANDARD: **ASHRAE TC 9.9 / ISO 27001 / NFPA 75**	AUDIT FREQUENCY: **Monthly Audit**

Server Room Environmental Checklist Compliance Checklist

Operational Scope: This compliance checklist establishes mandatory operational standards for monitoring server room environmental controls, fire suppression systems, and power integrity. The objective is to mitigate critical overheating, moisture, and electrical hazards to ensure uninterrupted data center uptime and regulatory compliance.

MANDATORY PPE:	Safety Glasses (ANSI Z87.1), Nitrile ESD-Safe Gloves, Composite Toe Safety Shoes (ASTM F2413), Cotton Lab Coat / Static-Dissipative Smock
PREREQUISITES:	Verify active monitoring console access prior to entering perimeter. | Review previous environmental log anomalies and corrective actions. | Ensure escort is present if unbadged third-party personnel are involved.

CLIMATE & THERMAL MANAGEMENT CONTROL

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Ambient Temperature Maintenance**	Room ambient temperature remains strictly within ASHRAE recommended range of 64°F to 80°F (18°C to 27°C).	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Relative Humidity Levels**	Relative humidity registers between 40% and 60%, preventing both electrostatic discharge and condensation risks.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**HVAC Unit Redundancy & Airflow**	CRAC/CRAH units operating normally with unobstructed perforated floor tiles and zero hot-spot pooling.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

FIRE SUPPRESSION & LIFE SAFETY SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Gaseous Fire Suppression Panel**	Main control panel indicates 'Normal' status with zero active faults, troubles, or manual abort locks engaged.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Clean Agent Cylinder Pressure**	Pressure gauges on all suppression agent tanks read within the green operational zone.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Emergency Power Off (EPO) Guards**	EPO switches are clearly labeled, unobstructed, and protected with transparent physical safety covers.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

POWER INFRASTRUCTURE & HOUSEKEEPING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**UPS Battery Enclosure Ventilation**	Uninterruptible Power Supply battery rooms maintain operational exhaust ventilation and show no acid leak signs.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Subfloor Water Detection Sensors**	Water-sensing cables installed beneath raised floors are tested, functional, and clear of debris.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Aisle Clearance & Combustible Storage**	Hot and cold aisles are entirely clear of cardboard, packing materials, and non-essential office supplies.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

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

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