

ACME COMPANY

DATA CENTER AUDIT CHECKLIST



Millstone Avenue - Rutherford | Millstone Avenue,

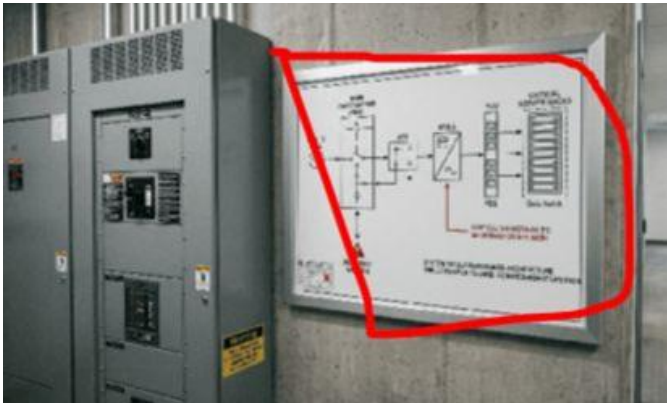
THURSDAY 7TH MAY 2026

SUMMARY

The facility is generally well-maintained, with excellent environmental controls and housekeeping. However, three critical vulnerabilities were identified that compromise its high-availability status. Specifically, the lack of concurrently maintainable power prevents maintenance without downtime, while the absence of diverse network entry points creates a single point of failure for connectivity. Furthermore, the lack of mantraps at entry points exposes the data hall to tailgating risks. Addressing these infrastructure and security gaps is essential to achieving Tier III standards; otherwise, all other operational strengths remain secondary to these significant single points of failure.

Power

Q#	QUESTION	RESPONSE
1.	Are substation feeds dedicated to the data center facility?	YES
2.	Is the substation fed by independent sources on the electrical grid?	YES
3.	Do substation feeds enter the property via diverse routes?	YES
4.	Is at least one feed underground and concrete-encased end-to-end?	YES
5.	Is the UPS designed with a maintenance bypass, allowing live full replacement?	YES
6.	Is the maintenance bypass UPS protected?	YES
7.	Is generator fuel stored on-site?	YES
8.	Do generators run at least 48 hours at full load?	YES
9.	Is the power system concurrently maintainable?	NO



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Cooling

Chilled Water Design

Q#	QUESTION	RESPONSE
10.	Is the chilled water design in place?	YES
11.	Do water pipes run under the data center?	YES
12.	Are there diverse water feeds?	YES
13.	Is the condenser water system paralleled?	YES
14.	Are chillers paralleled?	YES
15.	Are chilled water pumps paralleled?	YES
16.	Is the chilled water distribution triple-looped?	YES
17.	Is the cooling system concurrently maintainable?	YES

Network & Connectivity

Q#	QUESTION	RESPONSE
18.	Is the facility carrier-neutral with access to at least 10 different carriers?	YES
19.	Does it offer a high-quality blended internet service offering?	YES
20.	Is there an internal meet-me-room or telecom exchange point?	YES
21.	Is core network equipment protected from customer access?	YES
22.	Are network conduits underground, or concrete-encased?	YES
23.	Are there diverse network entry points?	NO
24.	Are there diverse network feed paths?	YES
25.	Is private data transport between data centers available?	YES
26.	Is data transport diverse and redundant?	YES
27.	Is there direct connectivity to major cloud providers?	YES
28.	Is the network monitored from a provider-controlled Network Operations Center (NOC)?	YES
29.	Will it provide connectivity to offices and other data centers?	YES

Compliance and Security

Q#	QUESTION	RESPONSE
30.	Is the facility SSAE 18 SOC Type I compliant?	YES
31.	Is the facility SSAE 18 SOC Type II compliant?	YES
32.	Is the facility ISO 27001 compliant?	YES
33.	Is the facility PCI-DSS compliant?	YES
34.	Is the facility HIPAA compliant?	YES

Scalability

Q#	QUESTION	RESPONSE
35.	Have owners/operators planned for future expansion?	YES
36.	Is there sufficient space available for future expansion needs?	YES
37.	Is there sufficient power capacity available for site expansion?	YES

Security

Q#	QUESTION	RESPONSE
38.	Is the facility staffed 24x7x365?	YES
39.	Are security staff direct hires of the data center provider, not third-party?	YES
40.	Is the facility protected by perimeter fencing?	YES
41.	Is centralized security at loading docks and entry points?	YES
42.	Is the security viewing area behind bulletproof glass?	YES

43.	Is there a digital video recording of all personnel at all times?	YES
44.	Is there a digital video recording of data halls at all times?	YES
45.	Is digital video recording archived?	YES
46.	Are there man traps?	NO



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47.	Is visitor tracking in place?	YES
48.	Are private access control systems permitted for cages and cabinets?	YES
49.	Are customer-defined access lists implemented?	YES
50.	Is the gated entry monitored by onsite security?	YES
51.	Is dual-factor authentication, including biometric screening, in place?	YES
52.	Is mechanical plant equipment located outdoors fenced in and protected?	YES

Support & Services

Q#	QUESTION	RESPONSE
53.	Does the facility offer remote hands?	YES
54.	Does the facility provide managed shipping and receiving?	YES
55.	Are network engineers maintained on staff?	YES
56.	Does the facility provide network management and network security services?	YES
57.	Does the facility offer backup and disaster recovery services?	YES
58.	Does the facility have 24x7x365 support?	YES
59.	Does the facility offer cloud storage services?	YES
60.	Does the facility provide cabling services?	YES

Building Structure

Q#	QUESTION	RESPONSE
61.	Is the foundation supported by underground piers?	YES
62.	Are there no ramps up to the white floor?	YES
63.	Was the building purpose-built to be a data center?	YES
64.	Is each UPS system in a secure, isolated room?	YES
65.	Are walls and the roof built to withstand 185+ mph winds?	YES

66.	Are exterior walls concrete and at least 10 inches thick?	YES
67.	Is the roof made of concrete and sealed?	YES
68.	Does the slab design loading per sq ft reach at least 250 psf?	YES
69.	Will the raised floor hold equipment racks weighing up to 4,000 lbs each?	YES
70.	Are there at least 36 inches between the raised floor and the subfloor?	YES

Energy Efficiency

Q#	QUESTION	RESPONSE
71.	Do variable frequency drive chillers operate in the facility?	YES
72.	Do variable frequency drive pumps operate in the facility?	YES
73.	Do variable frequency drive air handlers operate in the facility?	YES
74.	Are cabinets sealed?	YES
75.	Is the roof insulated?	YES
76.	Does the UPS have an eco mode?	YES

Location

Q#	QUESTION	RESPONSE
77.	Is the facility at a distance of 1+ miles from major roadways?	YES
78.	Is the facility at a distance of 1+ miles from train tracks?	YES
79.	Is the facility at a distance of 2+ miles from the airport?	YES
80.	Is the facility located above the 500-year floodplain?	YES
81.	Is the facility located outside an earthquake zone?	YES
82.	Is the facility located outside a hurricane zone?	YES
83.	Is the facility located outside a tornado zone?	YES
84.	Is the facility located outside a blizzard/snowstorm zone?	YES
85.	Is there proximity to hotels, restaurants, and retail?	YES

Staff Amenities

Q#	QUESTION	RESPONSE
86.	Does the facility have a loading dock?	YES
87.	Is there a staging area?	YES
88.	Are conference rooms available?	YES
89.	Is dedicated office space available?	YES
90.	Is dedicated storage space available?	YES
91.	Is there a briefing/presentation room?	YES
92.	Is the break room stocked with coffee, snacks, beverages, and MREs?	YES
93.	Are cots available for overnight stays?	YES
94.	Are showers on site?	YES
95.	Is there a washer/dryer on-site?	YES
96.	Are personal lockers available?	YES
97.	Is the site easily accessible to staff via the airport and roadway?	YES

Company Profile

Q#	QUESTION	RESPONSE
98.	Does the facility have a track record of financial stability?	YES
99.	Does it have 20+ years of experience as a data center operator?	YES
100.	Is the core competency designing and operating data centers?	YES
101.	Are data center staff not outsourced?	YES
102.	Will solutions be customized for business needs?	YES

103. Does it offer a 100% uptime SLA?	YES
104. Can customer references be provided?	YES

COMMENTS & ACTION PLAN

Power >> Power		PRIORITY	High
(AC10112) Is the power system concurrently maintainable?		DUE DATE	08 May 26
		ASSIGNEE	Jennifer Hunt
FINDINGS	'No'		
ACTION REQUIRED	The current electrical topology lacks a redundant distribution path, requiring a full or partial shutdown of the data hall to perform routine maintenance on the primary switchgear.		

Network & Connectivity >> Network & Connectivity		PRIORITY	High
(AC10113) Are there diverse network entry points?		DUE DATE	08 May 26
		ASSIGNEE	Jennifer Hunt
FINDINGS	'No'		
ACTION REQUIRED	All fiber optic provider feeds enter the facility through a single Point of Entry (POE) vault located at the north perimeter.		

Security >> Security		PRIORITY	Medium
(AC10111) Are there man traps?		DUE DATE	10 May 26
		ASSIGNEE	Jennifer Hunt
FINDINGS	'No'		
ACTION REQUIRED	The primary entrance from the lobby to the data hall consists of a single-door biometric scanner without a secondary interlocking chamber.		

DECLARATION



Auditor
(Jennifer Hunt)

AUDITOR'S LOCATION