

Tier III Data Center Compliance Checklist

Facility Name: Knipp Data Center Dortmund
Location: Martin-Schmeisser-Weg 9, 44227 Dortmund
Date: 2025-01-12
Verified by: CISO

1. Power Infrastructure

1.1 UPS Systems

- Requirement: N+1 UPS capacity
Status (Yes/No): Yes
Evidence / Notes: _____
- Requirement: Each critical component concurrently maintainable
Status (Yes/No): Yes
Evidence / Notes: _____

1.2 Generators

- Requirement: N+1 generator redundancy
Status (Yes/No): Yes
Evidence / Notes: _____
- Requirement: Fuel for ≥ 12 –24 hours + refueling plan
Status (Yes/No): Yes
Evidence / Notes: _____

1.3 Power Distribution

- Requirement: Two independent power paths (A/B) to all racks
Status (Yes/No): Yes
Evidence / Notes: _____
- Requirement: Maintenance without impacting IT load
Status (Yes/No): Yes
Evidence / Notes: _____

2. Cooling Infrastructure

2.1 Cooling Capacity

- Requirement: N+1 cooling production (chillers, compressors, etc.)
Status (Yes/No): Yes
Evidence / Notes: _____

2.2 Air Handling

- Requirement: Redundant CRAH/CRAC units

Status (Yes/No): Yes

Evidence / Notes: _____

2.3 Cooling Distribution

- Requirement: Redundant pumps and distribution paths

Status (Yes/No): Yes

Evidence / Notes: _____

2.4 Maintainability

- Requirement: Full concurrent maintainability of cooling path

Status (Yes/No): Yes

Evidence / Notes: _____

3. Network Infrastructure

3.1 Redundancy

- Requirement: Two physically separate network backbone paths

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Redundant core network equipment

Status (Yes/No): Yes

Evidence / Notes: _____

3.2 Rack Connectivity

- Requirement: Dual power and network feeds to each rack (A/B)

Status (Yes/No): Yes

Evidence / Notes: _____

4. Physical Security

4.1 Access Control

- Requirement: Multi-factor authentication for access

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Access logs maintained and reviewed

Status (Yes/No): Yes

Evidence / Notes: _____

4.2 Surveillance

- Requirement: 24/7 CCTV monitoring
Status (Yes/No): Yes
Evidence / Notes: _____
- Requirement: Security zones with layered protection
Status (Yes/No): Yes
Evidence / Notes: _____

5. Fire Protection & Environmental Monitoring

5.1 Fire Detection

- Requirement: Fire detection (e.g., smoke/heat detection, early warning)
Status (Yes/No): Yes
Evidence / Notes: _____

5.2 Fire Suppression

- Requirement: Gas-based or equivalent suppression system
Status (Yes/No): Yes
Evidence / Notes: _____

5.3 Monitoring

- Requirement: Temperature and humidity monitoring
Status (Yes/No): Yes
Evidence / Notes: _____
- Requirement: Water leakage detection
Status (Yes/No): Yes
Evidence / Notes: _____

6. Facility Design & Construction

6.1 Structural Requirements

- Requirement: No single points of failure in power, cooling, network
Status (Yes/No): Yes
Evidence / Notes: _____

6.2 Containment

- Requirement: Hot/Cold aisle containment (recommended)
Status (Yes/No): No
Evidence / Notes: future implementation currently in discussion

7. Operations & Management

7.1 Staffing

- Requirement: 24/7 trained operations personnel

Status (Yes/No): Yes

Evidence / Notes: _____

7.2 Procedures

- Requirement: Documented SOPs (Standard Operating Procedures)

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Documented MOPs (Method of Procedure)

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Documented EOPs (Emergency Operating Procedures)

Status (Yes/No): Yes

Evidence / Notes: _____

7.3 Management Processes

- Requirement: Change management process in place

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Capacity management (power, cooling, space)

Status (Yes/No): Yes

Evidence / Notes: _____

- Requirement: Monitoring of performance metrics (e.g., PUE)

Status (Yes/No): Yes

Evidence / Notes: _____

8. Availability

- Requirement: Designed for minimum 99.982% uptime

Status (Yes/No): Yes

Evidence / Notes: _____

9. Additional Notes / Comments

None