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Data Center Site Survey Checklist

A public checklist for recording infrastructure readiness without exposing customer-specific information.

SURVEY CONTROL

Record the survey basis

Use a unique, non-sensitive survey reference. Confirm who authorized access, the agreed scope, required evidence, and any restrictions on photography or equipment use.

☐ Survey date and approved reference	☐ Scope and workstream boundaries
☐ Authorized site contacts recorded privately	☐ Access window and escort requirements
☐ Photography and information-handling rules	☐ Known dependencies and planned changes

ROOM READINESS

Observe the environment

☐ Room dimensions and usable clearances	☐ Delivery route, doors, lifts, and floor loading
☐ Housekeeping and water-risk observations	☐ Lighting, emergency access, and working space
☐ Environmental monitoring availability	☐ Visible constraints requiring specialist review

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Rack, Power, Cooling, and Pathways

Capture observations, not assumptions. Mark every item that requires confirmation by an authorized specialist.

PHYSICAL INFRASTRUCTURE

Rack and cabinet review

☐ Rack dimensions and available rack units	☐ Front, rear, and side service clearances
☐ Equipment support and mounting requirements	☐ Cable entry direction and brush-panel needs
☐ Grounding and bonding observation	☐ Current labeling and rack documentation

UTILITIES

Power, cooling, and pathways

☐ Power feeds and receptacles identified for review	☐ PDU location, capacity data, and outlet needs
☐ Cooling supply and return paths unobstructed	☐ Hot-aisle and cold-aisle orientation observed
☐ Copper and fiber pathways available	☐ Pathway fill, separation, and fire-stopping observed

A site survey does not replace an electrical, structural, fire-safety, or cooling design review. Route findings to the appropriate authorized discipline.

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Network Readiness and Survey Handover

Organize survey evidence so design and implementation teams can trace each requirement to an observation.

CONNECTIVITY

Network and cabling readiness

☐ Demarcation and upstream dependencies recorded privately	☐ Patch-panel and pathway capacity observed
☐ Fiber type, connector, and test evidence requested	☐ Copper category and certification evidence requested
☐ Management and monitoring needs identified	☐ Migration, outage, and rollback constraints noted

DELIVERABLES

Close the survey

☐ Annotated room and rack sketches	☐ Privacy-reviewed photograph register
☐ Requirement and constraint list	☐ Assumption and clarification register
☐ Risk and dependency summary	☐ Recommended next technical actions

Before sharing, remove credentials, IP addresses, hostnames, asset tags, customer logos, badges, precise location data, and other confidential details.