

SERVICE SPECIFICATION / DATA CENTER

DCIM enablement

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Sites, rooms, racks, assets, ports, circuits, and sensors get normalized, supported data sources connect, and physical changes gain a defined path into the model.

Intended outcome

Rack, asset, power, connectivity, and sensor records checked against the data-center floor, with import exceptions and update procedures assigned.

Service scope

A DCIM platform is only useful when rack, asset, port, circuit, and sensor identifiers match the floor and every physical change updates the record.

A staged rollout usually starts with one use case, such as rack inventory, power capacity, or environmental alarms, then expands after data quality and support ownership are proven.

How the system fits together

01 Sources	Assets, ports, power, sensors, network and facility systems
02 Normalization	Identifiers, relationships, units and data-quality rules
03 DCIM model	Physical hierarchy, capacity, connectivity and telemetry
04 Operations	Alarms, reports, planning, work orders and change reconciliation

Typical project triggers

- Rack, asset and port records disagree across systems
- Power or space capacity is estimated manually
- Environmental alarms lack location or escalation context
- A DCIM platform exists but operational adoption is low



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Delivery and acceptance

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The final project scope identifies quantities, locations, dependencies, and the evidence required at each delivery stage.

01 Use case and source

Choose the decisions to support and identify system owners and sources of record.

Acceptance evidence: Use-case charter, field dictionary and ownership matrix

02 Model and normalize

Define site, room, row, rack, asset, port, circuit, sensor and relationship identifiers.

Acceptance evidence: Data model, naming rules and import/reconciliation report

03 Integrate and validate

Connect supported APIs, telemetry and imports; compare samples against physical state.

Acceptance evidence: Integration map, validation sample and error/exception log

04 Operationalize

Build roles, alarms, reports and change procedures around maintained data.

Acceptance evidence: Runbook, role matrix, dashboard acceptance and update audit

Handover deliverables

- DCIM data and integration architecture
- Naming/identifier and field dictionary
- Normalized import with exception report
- Validation and reconciliation results
- Operations runbook, dashboards and ownership matrix

Closeout: GHT and the customer review the agreed evidence, record unresolved exceptions and owners, and confirm acceptance against the signed project scope.



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Planning and scope boundaries

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Customer and site inputs

- Priority operational use cases and success measures
- Current systems, exports, APIs and data owners
- Physical hierarchy and identifier conventions
- Telemetry protocols, units, intervals and retention
- Roles, change process, alarm routing and security boundary

Constraints and coordination

- Incomplete or conflicting source records
- Vendor/API coverage and licensing
- Credentials, network segmentation and least-privilege access
- Ongoing ownership after adds, moves and removals

Commercial scope and responsibilities

This specification describes the service framework. The signed statement of work defines included equipment, quantities, software licenses, integrations, access windows, schedule, pricing, warranty, and support coverage. Additional construction, electrical work, recurring subscriptions, and ongoing support require an explicit line item.

The customer appoints an acceptance owner and provides authorized access, required site information, and decisions. GHT records assumptions, coordinates assigned work, and submits changes for agreement before expanding the scope.

Technical references

Distributed Management Task Force — Redfish Standard | Source review: 2026-08-20

Telecommunications Industry Association — TIA-942: Telecommunications Infrastructure Standard for Data Centers | Source review: 2026-08-20

BICSI — BICSI Library of ICT Manuals and Standards | Source review: 2026-08-20

ASHRAE — Data Center Resources | Source review: 2026-08-20

Service guide and project discussion | Source review: 2026-09-06