

Certified Data Centre Facilities Operation Management (CDCFOM)®

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Certification Overview

The Certified Data Centre Facilities Operations Manager (CDCFOM)® certification is designed to validate a professional's knowledge and understanding of data centre facilities operations, infrastructure management, and operational best practices. The program covers critical areas such as power and cooling systems, physical infrastructure, capacity planning, risk management, business continuity, safety, and regulatory compliance. CDCFOM® equips participants with a structured framework to manage data centre environments efficiently while ensuring high availability, reliability, and operational resilience.

The certification emphasizes both technical and managerial aspects of data centre operations. It enables professionals to understand how facilities, people, processes, and technology work together to support business objectives. Through its comprehensive modules, CDCFOM® helps candidates develop the ability to optimize operational performance, control costs, manage vendors, ensure safety and security, and support service continuity in modern, distributed, and high-density data centre environments.

The CDCFOM® certification has no formal prerequisites, making it accessible to aspiring and experienced professionals alike.

It is suitable for individuals looking to build or strengthen their careers in data centre facilities and operations management, including engineers, operations staff, supervisors, and managers. By earning the CDCFOM® credential, professionals demonstrate their commitment to industry best practices and their capability to manage mission-critical data centre facilities in line with organizational and business requirements.

Target Audience

The Certified Data Centre Facilities Operations Manager (CDCFOM)® certification is designed for professionals involved in the operation, management, and maintenance of data centre facilities. This program is ideal for:

Data Centre Facilities Managers and Operations Managers
Data Centre Engineers (Electrical, Mechanical, HVAC, and Civil)
Facility and Infrastructure Managers
Critical Facilities and Site Operations Professionals
Data Centre Technicians and Supervisors
IT Infrastructure Managers working closely with facilities teams
Network, Systems, and Platform Engineers transitioning into data centre operations roles
Building Management System (BMS) and DCIM Professionals
Consultants and Auditors involved in data centre operations and compliance
Professionals aspiring to build a career in data centre facilities and operations management

What Modules are covered?

Module 1 - Data Centre Fundamentals

Evolution of Data Centres
Types of Data Centres (Enterprise, Colocation, Cloud, Edge)
Key Components of a Data Centre
Data Centre Functions and Operations Overview
Roles and Responsibilities of a Facilities Operations Manager

Module 2 - Data Centre Infrastructure

Physical Infrastructure Overview
Raised Floor vs Non-Raised Floor Designs
Power Distribution Systems
Cooling and Environmental Systems
Structured Cabling Systems

Module 3 - Power Systems and Electrical Infrastructure

Utility Power and Power Quality
UPS Systems and Battery Technologies
Generators and Backup Power Systems
Power Distribution Units (PDUs)
Electrical Safety and Compliance

Module 4 - Cooling and Environmental Management

Heat Load Calculations
Cooling Technologies (CRAC, CRAH, In-Row, Liquid Cooling)
Airflow Management (Hot/Cold Aisle)
Temperature and Humidity Control
Energy Efficiency in Cooling

Module 5 - Data Centre Safety, Security,

and Fire Protection

Physical Security Controls
Access Control Systems
CCTV and Monitoring Systems
Fire Detection and Suppression Systems
Health, Safety, and Compliance Standards

Module 6 - Operations, Maintenance, and

Monitoring

Preventive vs Predictive Maintenance
Standard Operating Procedures (SOPs)
Monitoring Tools and DCIM
Incident and Problem Management
Change and Capacity Management

Module 7 - Business Continuity and Disaster

Recovery

Business Continuity Planning (BCP)
Disaster Recovery Strategies
Redundancy and Fault Tolerance
Backup and Restore Processes
Testing and Audit of DR Plans

Module 8 - Energy Management and Sustainability

Energy Efficiency Metrics (PUE, DCIE)
Green Data Centre Concepts
Renewable Energy Integration
Carbon Footprint Reduction
Regulatory and Environmental Compliance

Module 9 - Vendor, Compliance, and Risk Management

Vendor and Contract Management
SLAs and Performance Metrics
Risk Assessment and Mitigation
Compliance Standards (ISO 27001, ISO 22301,
Uptime Institute)

Audit and Documentation Practices

Module 10 - Data Centre Operations Management and Leadership

Operational Governance
Team Management and Shift Operations
Cost Optimization and Budgeting
Reporting and KPIs
Future Trends in Data Centre Facilities Management

Module 11 - Capacity Planning and Asset Management

IT and Facilities Capacity Planning
Space, Power, and Cooling Capacity Analysis
Asset Lifecycle Management
Inventory Management and Documentation
Capacity Forecasting and Growth Planning

Module 12 - Data Centre Audits, Compliance, and Continuous Improvement

Internal and External Data Centre Audits
Compliance Readiness and Gap Analysis
Documentation and Record Management
Continuous Improvement Models
Preparing for Certifications and Regulatory Reviews