



*Advancing Data Center
and IT Infrastructure
Professionals*



EDUCATIONAL PARTNER

CE 1000:

Essential Knowledge for Critical Environments (CEFA)



Elearning
2-day Private Course
Self-study Course Book

Critical Environments Professional Development Program

Resilience.
Education.
Credentialing.



The International Consortium
For Organizational Resilience

Essential Knowledge for Critical Environments



Audience: As the first in the series, CE 1000 is designed for those newer to working in the critical environment or those in information technology management seeking to understand the critical environment facility.

The focus of CE 1000 is on creating a base set of knowledge for those working in critical environments such as data centers, call centers, research and development, hospitals, clean rooms, banking/trading floors, broadcasting sites, and manufacturing facilities. Includes practical activities that focus on problem solving to bridge theory with learning that can be applied immediately on the job

8 Lessons / Competency Areas

1000.1 Introduction to the Critical Environment

1. The importance of critical environments
2. Understanding uptime and downtime—scheduled versus unscheduled
3. Risks to the CE
4. Single points of failure & planning

1000.2 Starting Logic of the Built Environment

1. Terminology used in the CE
2. Location and design considerations
3. Understanding building code compliance, governing agencies, & regulatory entities
4. Redundancy vs. Efficiency as it applies to energy conservation

1000.3 Infrastructure & Uptime Tiering

1. Review of Uptime Institute's Tiering Structure
2. Reviewing & reacting to infrastructure issues
3. Evaluating critical infrastructure
4. Evaluating reliability

1000.4 Measuring & Reporting for Successful Capacity Planning

1. Capacity planning for power, cooling, space, controls, and security
2. Growth prediction and the collection of data and trending
3. Capacity reporting
4. Capacity & design—designing for upgrades

1000.5 Understanding Procedures

1. Common procedures
2. Creating procedures
3. Document management & process improvement
4. Disaster recovery procedures—managing risk

1000.6 Maintenance of Critical Infrastructure

1. Computerized maintenance management system (CMMS)
2. Inventory control
3. Maintenance types
4. Managing completion of maintenance

1000.7 Equipment in the CE

1. Equipment in the CE
2. Function of the equipment
3. Risks associated with operating equipment

1000.8 Cleaning, Access Control, Lighting, and More

1. Cleanliness & Working Clearances
2. Access Controls & Lighting
3. Areas of concern
4. Receiving & Logistics

Credentials

The Critical Environment Facility Advisor (CEFA) certification exam is included in CE 1000 private course instructor led and eLearning courses.

The CEFA certification exam can be challenged online.

Exams are a combination of multiple choice and practical-based problem solving.

Operating in the Mission-Critical Environment

Aligning Mission-Critical Environments Education & Credentialing Programs to the Workplace

Recognized globally for its vendor-neutral, standards-based education programs, ICOR's certification competency areas align to specific jobs or job areas in the critical environment workplace.

ICOR courses meet your learning style. Learn from an instructor via a private course or on your own via eLearning or self-study course books. Interactive activity-based curriculum.



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