



Certified Disaster Recovery Engineer

Duration: 5 Days

Language: English

Course Delivery: Classroom

Course Overview

When a business is hit by a natural disaster, cybercrime or any other disruptive tragedy, how should the organization react? What if the network infrastructure is taken down? Will the business be able to continue operations? How much will it cost if the business is down during repairs?

The answer is found in the vendor neutral **Certified Disaster Recovery Engineer** certification course. Disaster recovery and business continuity planning is the process of having a professional work with a business to prepare processes, policies and procedures to follow in the event of a disruption. The goal is to keep a business' critical operations running, which today relies heavily on its IT infrastructure.

The comprehensive **Certified Disaster Recovery Engineer** course goes beyond traditional BCP training - preparing students for industry certification in Business Continuity planning, and presenting the latest methodologies and best practices for real-world systems recovery. Students will receive a solid foundation of instruction that will enable them to create meaningful business continuity plans.

This course offers up-to-date information that has been developed by leading risk management professionals.

Prerequisites: A minimum of 1 year of Information Systems or IS Management

EXAM INFORMATION

The **Certified Disaster Recovery Engineer** exam is taken online through Mile2's Assessment and Certification System ("MACS"), which is accessible on your mile2.com account. The exam will take 2 hours and consist of 100 multiple choice questions.

Course Outline

Module 1 - Welcome to Disaster Recovery Training

mile2 Brochure
CDRE Agenda
CDRE Agenda
The CDRE Exam

Introduction to
Business Continuity Planning
What is a Disaster?
What is a Critical
Business Function?



Business

Continuity Planning (BCP)

Importance of BCP

Importance of BCP

Disaster Recovery Planning (DRP)

Emergency Response

BC/DR Trends

Purpose of BC/DR Program

Challenges to Effective BCP

BCP Planning Phases

BCP Planning Phases

Where does Project Initiation
fit into the Process?

Project Initiation Phase

BC/DR Program Life Cycle

Summary

Module 2 - Business Impact Analysis

BCP Planning Model

BCP Planning Phases

Where does BIA

fit into the Process?

What is a BIA?

BIA Scope, Goal, and Objectives

BIA Terminology

Maximum Tolerable Downtime

Recovery Time Objective

Recovery Time Examples

Recovery Point Objective

BIA Process- Disaster Mode Staffing

BIA Process - Capacity & Performance Objectives

BIA - Getting Started

BIA Tools

Kick off Meeting

Preparing for
the BIA Interviews

Conducting the Interviews

BIA

Notes on Data Collection

Identify Dependencies

Finalize Data Analysis

BIA Report

Presentation to

Senior Management

Summary

Module 3 - Risk Analysis

BCP Planning Model

BCP Planning Phases

Where does the Risk Analysis

fit into the Process?

Functional Requirements

Threats to Business Process

Causes of Unplanned Downtime *

Risk Examples

Risk Analysis Terminology

Risk Analysis Terminology

Risk Analysis Activities

Exposure Inventory

Business Process Inventory

Business Process Documentation

Statement of Risk

ALE Annualized Loss Expectancy

Statement of Risk

Risk Control Definition

Identifying Existing Controls

Physical Controls

Risk Analysis

Risk Analysis

Risk Assessment Report

Compiling a Risk Assessment Report

Risk Analysis Summary

Module 4 - Design & Development Phase (BCP Strategies)

BCP Planning Model

BCP Planning Phases

Where does BCP Strategies
fit into the Process?

Strategy Process

BCP Strategies

Summary

BCP Planning Phases

Where does BIA fit into the Process?

Design & Development Phase

BCP Design

Emergency Response & Operations

Emergency Response Components

Develop ER Procedures

ER Sources for Assistance

BCP Design



BCP Design
Alternate Recovery Site
Selecting Vendors
for DR/BC Services

Module 5 - IT Recovery Strategies

BCP Planning Model
BCP Planning Phases
Where does IT Strategy
fit into the Process?
IT Recovery Strategy Process
IT Recovery Strategies
Examples of IT Recovery
Tape Backups
Tape Vault Facilities
Disk Backups
DIY Disk Backups
Backup Appliance
Data Archiving
Systems Replication
SAN Replication
Virtual Server Replication
Application Redundancy
Voice & Networking Strategies
Alternate Recovery Sites

Module 6 - Implementation Phase

BCP Planning Model
BCP Planning Phases
Where does Implementation
fit into the Process?
Implementation of BCP
Responsibility for
BCP Implementation
Determine Cost Estimates
Management Approval
and Funding

Module 7 - Testing and Exercise

BCP Planning Model
BCP Planning Phases
Where does Testing and Drills fit into the
Process?
Testing & Exercise Phase

Testing & Drills
Progression of Testing Types

Site Recovery & Resumption
Restoration of Primary Site
Return to Primary Site
Continuity Strategy - Insurance
Evaluate Insurance Terms
Summary

Alternate Recovery Sites
Internal or Vendor
BC/DR Services
Selecting Vendors
for BC/DR Services
Evaluating Vendors
of DR/BC Resources
Critical Factors
IT Recovery
Strategies Assessment
IT Recovery Strategies
Summary
BCP Planning Phases
Where does IT
Strategy fit into the Process?
DR Plan Development
DR Plan Design
Summary

Install & Configure
Detailed Documentation
Implement Operational Changes
Procure Facilities & Services
BCP Planning Phases
Where does Awareness & Training
fit into the Process?
Awareness & Training
Summary

Testing Participants

Test Script Example
Testing Post-Mortem
Summary



Module 8 - Maintenance and Updating

BCP Planning Model
BCP Planning Phases
Where does Maintenance
fit into the Process?
Maintenance
Policies and Procedures
Plan Maintenance
Maintenance & Schedule Budgets
Software Tools for Maintenance
Input Criteria
for Plan Maintenance
Plan Distribution & Security
Summary

Module 9 - Pandemics

What is a Pandemic?
Pandemic Frequency
Quick Facts
Effects on Business
Who Should Plan for
Pandemic Influenza?
Develop a Disaster Plan
Develop a Disaster Plan
Planning Checklist
Communications
HR Travel Policies
Physical Resources
Contamination
Pandemics - Work from Home
Pandemics

Module 10 - Case Studies and Templates

Hospital Case Study
Pharmacy Case Study
BIA Worksheet
Inventory Worksheet
BCP Master Document