



C)DRE: Disaster Recovery Engineer

Course ID #: 7000-779-ZZ-Z

Hours: 28

Course Content

Course Description:

In this course you will cover disaster recovery and business continuity planning - 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 C)DRE prepares students to plan and present the latest methodologies and best practices for real-world system recovery.

Course Objectives:

- IS Security Officers
- IS Managers
- Risk Managers
- DR and BCP Engineers
- Info Systems Owners
- IS Control Assessors
- System Managers
- Government workers

Prerequisites:

- 12 months in Information Systems
- 12 months in IS Management

Target Audience:

Upon successful completion of this course, students will be able to:

- Establish industry acceptable DR & BCP standards with current best practices and policies
- Competently take the C)DRE exam

Topics:

Module 1 – Computer Forensics Incidents

- 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
- Disaster Recovery Planning (DRP)
- Emergency Response
- BC/DR Trends
- Purpose of BC/DR Program
- Challenges to Effective BCP
- BCP Planning Phases
- Where does Project Initiation fit into the Process?
- Project Initiation Phase
- BC/DR Program Life Cycle
- Summary



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Module 2 – Business Impact Analysis

- 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

- 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 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 Assessment Report
- Compiling a Risk Assessment Report
- Risk Analysis Summary



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Module 4 – Design and Development Phase (BCP Strategies)

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

Module 5 – IT Recovery Strategies

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



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Module 6 – Implementation Phase

- Where does Implementation fit into the Process?
- Implementation of BCP
- Responsibility for BCP Implementation
- Determine Cost Estimates
- Management Approval and Funding
- Install & Configure
- Detailed Documentation
- Implement Operational Changes
- Procure Facilities & Services
- BCP Planning Phases
- Where does Awareness & Training fit into the Process?
- Awareness & Training

Module 7 – Testing and Exercise

- Where does Testing and Drills fit into the Process?
- Testing & Exercise Phase
- Testing & Drills
- Progression of Testing Types
- Testing Participants
- Test Script Example
- Testing Post-Mortem

Module 8 – Digital Evidence Protocols

- 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

Module 9 – Pandemics

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

Module 10 – Case Studies and Templates

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

Labs: None.

Accreditations:



Register for this class by visiting us at:

www.tcworkshop.com or calling us at 800-639-3535