Hands-On

Recovery Planning Expert



Course Description

This extensive course is designed to provide an operational basis for all facets of disaster recovery and continuitycontingency planning through information delivery and practical Real-World Experience exercises. Students will develop enhanced abilities to establish and understand training, testing, risk analysis, impact analysis, strategy, emergency response, computer incident response and recovery.

Attendees will develop enhanced insights through detailed presentations of concepts, discussion of applicable NIST and DoD publications, and a series of practical Hands-On Labs. This course will expose the students to emergency response techniques from the development of checklists and templates to crafting concise planning documents.

Highlights of this Course

- -Designed to provide an operational basis for all facets of disaster recovery planning with practical Real-World Experience Hands-On Lab exercises.
- -These Tabletop style labs allow sharing knowledge and skills to develop a DoD Installation Scenario for application of the various plans relevant to Risk Management.
- -The course will impart an ability to conduct contingency and recovery planning using NIST standards.
- -Students will develop insights into the seven NIST progressive steps for a viable contingency plan involving recovery strategies and how systems may be recovered following a disaster.
- -Understanding of emergency planning and response techniques from the development of checklists to completion of related templates.
- -Knowledge of how to develop viable, easy to use recovery plans that address all hazards and all contingencies.
- -Understanding the elements of an ongoing viable recovery capability through hands-on exercises that meet the needs of DoD organizations.

Students Will Learn

- Understand Contingency Planning
- · Conduct Risk Analysis
- Conduct Business Impact Analysis
- Recovery Strategy Analysis
- Develop Viable Emergency Response Plans And Techniques
- Develop Viable Response Plans
- Emergency Response Plans

- Continuity of Operations Plan (COOP)
- Disaster Recovery Plan (DRP)
- Emergency Response Plans
- Business Continuity Plan (BCP)
- Information System Contingency Plan (ISCP)
- And Much More...

Target Audience

Anyone interested in Disaster Recovery and Contingency planning, and or is responsible for the recovery planning for their department or company.

Course Outline

Module 1 - Test, Training, and Exercise Programs for IT Plans and Capabilities

Building an Information Technology Security Awareness and Training Program

Four critical steps in the life cycle of an IT Security Awareness and Training Program

Principles of Results-Based Learning

Risk Management Subjects to include in training

Types of Exercises

Establishing a Test, Training, and Exercise Program

Develop Comprehensive TT&E Policy

TT&E Roles and Responsibilities

TT&E Event Methodology

Evaluate the Need for a Tabletop Exercise

Example Lab Scenarios and pre-lab hands-on exercise

Module 2 - BCP & DRP

Goals

BCP Steps

Business Impact Analysis

BCP Team Responsibilities

Difference Between Preventive Measures and Recovery Strategies

Multiple Processing Centers

Plans

Backup and offsite facilities

Types of drills and tests

Module 3 - Initial Planning Processes

Contingency Planning

Reasons to develop a comprehensive disaster recovery plan

Planning process methodology

Ground Rules

Priorities for Processing and Operations

Terms and Concepts History of Disaster Recovery Planning Hands-On LAB 1 Initial Planning Processes

Module 4 - Risk Analysis Outline

Organizational Assets
Emergency Management
Importance of Disaster Recovery Planning
Organizational Vulnerabilities
Risk Assessment
Risk Mitigation
Approach for Control Implementation
Good Security Practice
Keys for Success
Lab 2 Risk Analysis

Module 5 - Business Impact Analysis Outline

Identifying and Selecting Data Gathering Strategies
Identifying All Functions Performed by Organizations
Determining RTOs and Recovery Prioritizations
Determining RPOs and Data Currency Requirements
Identifying Recovery Requirements
Correlating Information and Formulating BIA Reports
Lab 3 - Complete a Business Impact Analysis

Module 6 - Recovery Strategy Analysis Outline

Understanding Roles and Responsibilities of Recovery Organizations and Teams Identifying All Recovery Strategies for Data, IT Systems, and Functions Understanding Capabilities, Pros and Cons of Strategies
Analyzing Recovery Requirements and Comparing Requirements Against Strategies
Determining Most Effective Strategies Based on All Criteria
Lab 4 - Recovery Strategy

Module 7 - Emergency Response Planning Outline

Incident Response Team
Examples of Incidents
Emergency Response Plan
Developing an Emergency Plan
Incident Response Team Structure
Incident Handling
Choosing a Containment Strategy
Lab 5 - Emergency Response Planning

Module 8 - Computer Incident Response

Terms

Cybersecurity-related attacks

Response Strategies

Organizing A Computer Security Incident Response Capability

Need for Incident Response

Incident Response Policy

Incident Response Team Structure

Incident Response Team Services

Handling an Incident

Incident Categories

Incident Prioritization

Containment, Eradication, and Recovery

Post-Incident Activity

LAB 6 - Incident Handling

Module 9 - Disaster Recovery Planning

Basic Questions for BIA

Information on the NIST process for BIA

10 absolute basics your plan should cover

Planning Example at USAA

Disaster recovery planning

DRP Goals and Objectives

Keys to Success

Common DRP Mistakes to Avoid

Contingency Plan (DRP) Review

Lab 7 Disaster Recovery

Delivery Method

Instructor-Led with numerous Hands-On labs and exercises.

Equipment Requirements

(This apply's to our hands-on courses only)

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

5 Days