



CRITICAL INFRASTRUCTURE PROTECTION REVIEW

Course Outline

1. Provide an overview of the NERC CIP Standards

APT intends to update and highlight changes with upcoming versions.

2. Provide an overview of policies, standards, and procedures associated with NERC's CIP Compliance Program

3. Define terminology:

- Bulk Electric System
- Critical Assets (CAs)
- Cyber Assets
- Critical Cyber Assets (CCAs)
- Cyber Security
- Cyber Security Incident
- Physical Security Perimeter (PSP)
- Electronic Security Perimeter (ESP)

4. Describe controls for protecting CIP Critical Cyber Assets:

- Proper use of Critical Cyber Assets
- Physical access controls
- Electronic access controls
- Handling NERC CIP Controlled Information
- Understanding the individual role in cyber incident handling and recovery

5. Discuss Regulatory Structure

- Department of Energy - DOE
- Federal Energy Regulatory Commission - FERC
- North American Electric Reliability Corporation – NERC
- Granted Electric Reliability Organization - ERO status by FERC

6. Discuss Authority & Responsibility for electric grid in U.S., portions of Mexico and Canada

- Regional Reliability Organizations – RRO's
- Granted Authority & Responsibility by FERC with oversight by NERC

7. Explain and Discuss Internal Policies & Procedures

Training shall cover NERC Standards, an entity's internal standards and discuss the following:

- Critical Infrastructure Protection Standards
- Electronic Storage Media Disposal Standard
- Information Classification and Protection Standard
- Personnel Risk Assessment Standard
- Cyber Security Risk Assessment Standard
- Configuration Management / Change Control Standard
- CIP Access Control Standard
- Operating System Security Standard
- Vulnerability Management Standard
- Disaster Recovery Standard
- Cyber Security Awareness and Training Standard
- Data Disposal Standard
- CIP Exception Standard
- Information Security Policy
- Background Checks Policy

Basic Overview Course: 2 days

Working Knowledge Level Course: 4 days

Contact APT for more information!

www.aptc.edu

(800) 431-8488