

Critical Thinking

ACTIVITY TITLE: Critical Thinking

TARGET AUDIENCE: ☒ Transmission Operator ☒ Market Operator
☒ Reliability Operator ☒ Operations and Planning Eng
☒ Balancing & Interchange ☒ Supervisor/Manager/Support
☒ Generator Operator ☐ Other _____

NERC CEHs: Operating Topics CE Hours: 3.0
NERC Standards CE Hours: 0.0
Simulation CE Hours: 0.0
Professional Related CE Hours: 3.0

NERC EMERGENCY TRAINING HOURS: 3.0 hours

ACTIVITY SUBJECT MATTER: ☐ Basic Concepts ☐ Power System Restoration
☐ Power Transfer ☐ Market Operations
☐ System Protection ☐ Tools
☐ Interconnected Operation ☒ Operator Awareness
☐ Emergency Operations ☐ Policies and Procedures

DELIVERY SCHEDULE: Activity is expected to be delivered over a 3.25 hour period with 3.0 hours intended for material deliveries and activity exercises and .25 hours for activity assessment.

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A. ACTIVITY OVERVIEW

This course is intended for real-time system operators and support personnel operating on the Bulk Electric System who wish to expand their knowledge and to enhance their skills related to critical thinking. It is intended to provide attendees with the necessary training to understand the concepts and utilize the skills in performing their day-to-day tasks. The activity addresses the fundamentals of critical thinking and its application to system operations, components of effective reasoning, guidelines for critical thinking, keys for prioritizing, and the principles of time management.

B. METHOD OF INSTRUCTION

The activity is expected to be delivered in an Instructor Led environment. The activity is expected to be delivered utilizing a PowerPoint presentation in conjunction with the various exercises that are integrated into the material.

C. ACTIVITY OBJECTIVES

Upon completion of this training activity, the trainee shall be able to:

1. Define critical thinking and its application to system operations
2. Identify Critical Thinker personality traits
3. Describe the keys for critical thinking
4. Identify the components of effective reasoning

D. ACTIVITY CONTENT

1. Critical Thinking Definition
2. Relevance to System Operations
3. Critical Thinker Personality Traits
4. Cognitive Thought Process
5. Key to Critical Thinking
 - a. Reasoning
 - b. Information Checks
6. Developing Reasoning Ability

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E. ASSESSMENT VEHICLE

The activity assessment is accomplished through a multiple choice quiz that addresses the activity objectives and content.

F. MISCELLANEOUS ELEMENTS

None identified for this activity.

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