

AUXILIARY POWER SYSTEMS DESIGN BASIS

Computer Based Training Module



ABSTRACT

This CBT is a detailed, comprehensive, nuclear industry generic overview of Auxiliary Power Systems Design Basis. The primary learning objective of this CBT is for the trainee to become familiar with the design basis of nuclear power station Aux Power Systems, major equipment such as buses and circuit breakers, medium voltage equipment, key aspects of system logic, and important design documents applicable to both Pressurized Water Reactors (PWR) and Boiling Water Reactors (BWR) designs. Background CBTs include Switchyard, Protective Relaying, Cable Aging Management, Molded Case Circuit Breakers, and Setpoint Methodology and Standard Design Process but are not required to be completed prior to taking this CBT.



INTENDED AUDIENCE

1. Experienced nuclear plant electrical (power) engineers who are developing expertise in Aux Power Systems
2. Site engineering Managers or Supervisors, who require a high-level understanding of Aux Power Systems



DURATION

- 3 hours
- An additional 8 hours for Reading materials provided within the CBT



TERMINAL LEARNING OBJECTIVES

TBD

KEY INDUSTRY DOCUMENTS

1. Standard Review Plan Chapter 8 & BTP PSB-1
2. GDC 17
3. GDC 24, Reg. Guide 1.75 (Electrical Separation)