

D.C. Power System Test  
Preoperational Test Procedure Review  
Procedure No.: 70340B  
Issue Date: 1/1/79

## SECTION I

### INSPECTION OBJECTIVES

1. Ensure that the test procedure is technically adequate.
2. Ensure that the described test is consistent with regulatory requirements, guidance and licensee commitments.

## SECTION II

### INSPECTION REQUIREMENTS

The inspector shall:

1. Obtain and review an approved copy of the test procedure(s) for technical adequacy prior to the date scheduled for the test.
2. Review the FSAR, docketed correspondence, SER, Technical Specifications, Regulatory Guide 1.68, and IEEE Standard 450-1975. Verify that the test procedure adequately addresses NRC requirements and licensee commitments relating to the D.C. Power System.
3. Review the test procedure(s) in accordance with inspection procedure MC 70300B.

SECTION III  
INSPECTION GUIDANCE

1. This review should ensure that important system functions are adequately reflected in the test procedure. Items which should be adequately tested as part of the test procedure include (but are not limited to):
  - a. the proper operation of system components (i.e., chargers, inverters, auto-transformers, etc.),
  - b. independence of buses and power suppliers,
  - c. review of design v.s. actual system load conditions,
  - d. battery operation and specifications, including recording of data,
  - e. emergency lighting,
  - f. Engineered Safety Features,
  - g. logic function operation,
  - h. proper setpoints for component protective functions,
  - i. operation of system protective functions and specifications,
  - j. proper system configuration such as load distribution and breaker alignment,
  - k. verification of proper integrated system operation and interdependence at multiunit sites, including load distribution and automatic load switching functions.

NOTE: Specific items may be part of other systems tests.