

ATTACHMENT 9

ELECTRICAL POWER REQUIREMENTS

12 June 1991

1 PURPOSE AND SCOPE. This attachment provides a comprehensive statement of input electrical power which will be furnished by the Government.

2 GOVERNMENT RESPONSIBILITIES.

2.1 For each site, the Government will determine the total existing and planned electrical power environment in order to provide:

- a. Identification of the nominal voltage, frequency, wiring system, KVA capacity and other specified steady state electrical parameters at each equipment location;
- b. Analysis and identification of any critical operational needs, stating the specific functional requirements for responsiveness, levels of priority, reliability, continuity of operation, survivability, fall back and recovery;
- c. Requirements for continuous or degraded operations in the event of electrical power transients, interruption or outage may entail selection of specific subset(s) of equipment and function(s) that must continue to operate, or be relocated during specified circumstances.

2.2 Power continuation and UPS equipment may be acquired by the Government.

2.3 The Government will supply commercial grade electrical power as described in paragraph 3.1.

3 ENVIRONMENTAL AND PHYSICAL FACILITIES.

3.1 Equipment Power Requirements. All equipment shall operate from both 50 and 60 HZ (+/- 1.0 HZ) commercial grade 120, 208 or 240 volts (single or three phase) power in accordance with ANSI C84.1 1982 Table 1, RANGE B. The capability to operate with either frequency may be automatic, user switchable on the equipment, or supplied separately using a power converter(s). For all equipment not switchable, a separate power converter shall be provided as an option.

3.2 Surge Suppression. All equipment shall be equipped with surge suppressors which are UL 1449 certified at 400 volt peak.