

MIL-E-7016F
AMENDMENT 1
18 March 1981

MILITARY SPECIFICATION

ELECTRIC LOAD AND POWER
SOURCE CAPACITY, AIRCRAFT, ANALYSIS OF

This amendment forms a part of Military Specification MIL-E-7016F, dated 20 July 1976, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Bottom right hand corner showing the FSC: delete "MISC" and substitute "1680".

PAGE 2

2.1 under STANDARDS, MILITARY

MIL-STD-704: delete the title "Electric Power, Aircraft Characteristics and Utilization of" and substitute "Aircraft Electric Power Characteristics."

PAGE 14

3.5.4.4.3 add a new sub-paragraph as follows: "f. Impedance Losses Factor. For AC systems for which the nominal rating is specified in volt-amperes or watts (or KVA or KW) at the electric connections of the generator and the potential is regulated elsewhere, the impedance losses factor is the ratio of the nominal potential at the point of regulation to the nominal potential at the electric connections of the generator at rated load. (This ratio is usually 115/120, or 0.96). If the nominal rating is specified in amperes or at the point of regulation or both, the impedance losses factor is one (1)."

PAGE 16

Add New Paragraph:

"3.5.5.1.3 Battery charging. An analysis of battery charging effectiveness shall be made to show battery state of charge versus charging time, assuming that the battery is completely discharged when charging is initiated." The most adverse battery temperature shall be assumed in making the analysis.

Preparing Activity
Navy - AS
(Project No. 1680-0473)

Custodians:

Army - AV

Navy - AS

Air Force - 11