

MIL-P-26517A(USAF)  
AMENDMENT 5  
13 October 1971  

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SUPERSEDING  
AMENDMENT 4  
5 December 1969

MILITARY SPECIFICATION

POWER SUPPLY, TRANSFORMER-RECTIFIER, AIRCRAFT,  
GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification  
MIL-P-26517A(USAF) dated 5 April 1961.

Pages 2 and 3, paragraph 2.1: Delete MIL-T-9107, MIL-I-26600, MIL-D-70327, and MS33586 and titles thereto and add:

"MIL-I-6181	Interference Control Requirements, Aircraft Equipment
MIL-STD-100	Engineering Drawing Practices
MIL-STD-831	Test Reports, Preparation of
MIL-STD-889	Dissimilar Metals".

Page 3, paragraph 3.1: Delete and substitute:

"3.1 Qualification. The power supplies furnished under this specification shall be products which are qualified for listing on the applicable Qualified Products List at the time set for opening of bids (see 4.4 and 6.3)."

Page 3, paragraph 3.3.3.1, line 4: Delete "MS33586" and substitute "MIL-STD-889"

Page 4, paragraph 3.4.1: Add: "Parallel diodes shall not be used."

Page 4, add:

"3.4.9 Reliability. The power supply shall have a minimum acceptable mean-time-between-failures (MTBF) of 450 hours demonstrated to a 90-percent confidence level."

Page 7, paragraph 3.6, line 3: Delete "MIL-D-70327" and substitute "MIL-STD-100".

Page 7, paragraph 3.7, line 2: Delete "MIL-I-26600" and substitute "MIL-I-6181".

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Page 8, paragraph 4.1: Delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements."

Page 9, paragraph 4.4.2.a: Delete "MIL-T-9107" and substitute "MIL-STD-831".

Page 13, paragraph 4.6.4: Delete and substitute:

"4.6.4 Insulation. A potential of 1,500V rms commercial frequency shall be applied for 1 minute between the input terminals short-circuited together and the output terminals short-circuited together. The test shall be repeated with the 1,500V applied between the metal enclosure and all terminals short-circuited together. The electromagnetic-interference filter capacitors shall be disconnected during this test. There shall be no insulation breakdown as a result of this test."

Page 13, paragraph 4.6.4.1: Delete.

Page 14, paragraph 4.6.9: Delete and substitute:

"4.6.9 Radio interference. Conducted and radiated interference shall be measured at no load, half load, and full load using the test procedures and applicable test instruments specified in MIL-I-6181. Either the current probe or the stabilization network procedures of MIL-I-6181 shall be used to measure conducted interference on the direct-current power lines. Measured interference shall be within the applicable limits of MIL-I-6181."

Page 17, add:

"4.6.16 Reliability. If the power supply passes the qualification tests without failure, it will be considered to have met the reliability requirements specified in 3.4.9."

Page 18, paragraph 6.3: Delete and substitute:

"6.3 Qualification. With respect to products requiring qualification, awards will be made only for such products which are, at the time set for

opening of bids, qualified for inclusion in the applicable Qualified Products List whether or not such products have actually been so listed by that date. The attention of the suppliers is called to this requirement, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification in order that they may be eligible to be awarded contracts or orders for the products covered by this specification. The activity responsible for the Qualified Products List is the Aeronautical Systems Division, Attn: ENJPE, Wright-Patterson Air Force Base, Ohio 45433, and information pertaining to qualification of products may be obtained from the activity."

Page 18, NOTICE paragraph: Delete.

Custodian:  
Air Force - 11

Preparing activity:  
Air Force - 11

Review activity:  
Air Force - 82

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