

MIL-S-8512D  
AMENDMENT 2  
14 March 1980  
SUPERSEDING  
AMENDMENT 1  
22 April 1977

MILITARY SPECIFICATION

SUPPORT EQUIPMENT AERONAUTICAL SPECIAL  
GENERAL SPECIFICATION FOR THE DESIGN OF

This amendment forms a part of Military Specification MIL-S-8512D,  
dated 19 July 1974, and is approved for use by all  
Departments and Agencies of the Department of Defense.

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2.1, under SPECIFICATIONS, Military, delete:

"MIL-T-21200 Test Equipment for use with Electric and Fire Control  
Systems, General Specification for".

and substitute:

"MIL-T-28800 Test Equipment for use with Electrical and Electronic  
Equipment, General Specification for".

• Add:

"MIL-W-22248 Weldment, Aluminum and Aluminum Alloy".

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• 2.2, add:

American Welding Society

AWS 53.0 Welding Procedures and Performance Qualification  
AWS D1.1 Structural Welding Code

(Copies of AWS standards may be obtained from the American Welding Society,  
2501 N.W. 7th St., Miami, FL 33125.)"

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• 3.2.8, line 4: Delete "Federal" and substitute "National".

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• 3.3.1.6, delete and substitute:

"3.3.1.6 Warning streamer. Maintenance, safety, or protective equipment  
installed on the aircraft while it is on the ground, which will or may create  
an unsafe condition for flight or operation of the aircraft or of an aircraft  
system, shall have a streamer conforming to MS 51700 securely attached. The  
streamer shall be of sufficient length to ensure visibility on a walk-around  
inspection of the aircraft."

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3.4.6.7, delete and substitute:

"3.4.6.7 Electronic test equipment. The design, construction and qualification of equipment for testing electrical and electronic equipment shall conform to the requirements of MIL-T-28800."

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• Table II, change:

"Welding (Steel)	MIL-W-8611
Tests, A/C Welding Operator's Art	MIL-T-5021
Welding (Aluminum)	MIL-W-8604

to read:

"Welding and Welder Qualification (Steel)	AWS D1.1
Welding and Welder Qualification (Aluminum)	AWS B3.0".

• 3.9.1, delete and substitute:

"3.9.1 Qualification of welding. All steel welding, welding procedures, welders, welding operators and tackers shall be qualified to the requirements of the American Welding Society (AWS) Structural Welding Code (D1.1). The level or degree of Non-Destructive Testing (NDT) for steel joint qualification shall be stipulated by the contract technical specification. All aluminum welding, welding procedures, welders, welding operators and tackers shall be qualified to the requirements of AWS Welding Procedures and Performance Qualification Standard (E3.0). Aluminum weldments shall meet the requirements of MIL-W-22248 (Class 3 or Class 4 as determined by the contract technical specification). Welds and welding currently qualified to MIL-T-5021 and MIL-W-8611 is acceptable without requalification to AWS requirements."

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• 6.2.1, add:

"p. Level or degree of Non-Destructive Testing required for welded steel joint qualification (see 3.9.1)."

• 6.7, delete and substitute:

"6.7 The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army - AV  
Navy - AS  
Air Force - 11

Preparing activity:  
Air Force - 11

Project No. MISC-OD33