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DOCUMENTATION OF SURVIVABILITY/VULNERABILITY RELATED AIRCRAFT MILITARY SPECIFICATIONS AND STANDARDS

W. D. Dotseth, et al

Rockwell International Corporation

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**DOCUMENTATION OF SURVIVABILITY/
VULNERABILITY RELATED AIRCRAFT
MILITARY SPECIFICATIONS
AND STANDARDS**

Final Report

W. D. Dotseth
R. W. Nickel

April 1975

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Prepared for

**JOINT TECHNICAL COORDINATING GROUP
FOR
AIRCRAFT SURVIVABILITY**

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FOREWORD

This report contains the results of research performed under AFFDL (Air Force Flight Dynamics Laboratory), Wright-Patterson Air Force Base, OH, Contract F33615-73-C-3147, Project 6065, *Aerospace Vehicle Recovery and Escape Subsystems*, Task 606502, *Aerospace Crew Station and Protection*. The work was conducted between September 1973 and June 1974.

The work was sponsored by JTCG/AS as part of the 3-year TEAS (Test and Evaluation Aircraft Survivability) program. The TEAS program was funded by DDR&E/ODDT&E. The effort was conducted under the direction of the JTCG/AS Design Criteria and Specifications Subgroup, Ad Hoc Committee II, as part of TEAS element 5.1.8.2, *Documentation of Survivability/Vulnerability Related Aircraft Military Specifications and Standards*. Mr. George Ducker was the committee chairman and program monitor.

The purpose was to identify military specifications and standards which impact S/V (survivability and vulnerability) of combat aircraft and document the nonnuclear (including high energy lasers) S/V provisions and requirements, noting the deficiencies in these documents. This report contains the results of this study, with specifications and standards listed in alphanumeric order, including identification of S/V provisions and/or deficiencies. This study was conducted by Los Angeles Aircraft Division of Rockwell International, Los Angeles, CA. Mr. Walter Dotseth was the program manager.

The report was released by the authors on 25 June 1974 for publication.

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DISCLAIMER

Estimates in this report are not to be construed as an official position of any of the Services or of the Joint AMC/NMC/AFLC/AFSC Commanders.

NOTE

Information and data contained in this document are based on reports available at the time of preparation, and the results may be subject to change.

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Documentation of Survivability Vulnerability Related Aircraft Military Specifications and Standards, by W. D. Dotseth and R. W. Nickel, Los Angeles Aircraft Division of Rockwell International, Los Angeles, CA. Wright-Patterson Air Force Base, OH, AFFDL, for Joint Technical Coordinating Group/Aircraft Survivability, April 1975. 180pp. (JTCC/AS-74-D-003, publication UNCLASSIFIED.)

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INTRODUCTION

SCOPE

This report delineates a research and analysis program that identified and documented S/V (survivability/vulnerability) related military aircraft specifications and standards.

OBJECTIVE

The program objective was to identify and document nonnuclear (including high energy lasers) S/V provisions and/or deficiencies in relevant military aircraft specifications and standards. This documentation provides JTCG/AS with a detailed compilation of the status of nonnuclear S/V provisions imposed on military aircraft, and areas where provisions are inadequate or missing. It is intended that information herein be used: (1) for analysis and generation of programs, and (2) to systematically and efficiently incorporate meaningful S/V provisions in applicable specifications and standards.

STUDY APPROACH

The program was accomplished as follows (Figure 1):

1. Task 1 - Identified all military specifications and standards, with information and opinions on criteria for S/V provisions.
2. Task 2 - A preliminary screening of all identified military aircraft specifications and standards, and selection of those that met the criteria for subsequent analysis.
3. Task 3 - Development of analysis criteria for specification and standards S/V provisions and/or deficiencies.
4. Task 4 - Preparation of interim report draft.
5. Task 5 - Review of interim report draft by JTCG/AS Subgroup Ad Hoc committee.
6. Task 6 - Preparation of final text of interim report.
7. Task 7 - Analysis of candidate specifications and standards listed in interim report to identify S/V provisions or deficiencies.
8. Task 8 - Preparation of final report draft.
9. Task 9 - Review of final report draft by JTCG/AS Subgroup Ad Hoc committee.
10. Task 10 - Preparation of final report, incorporating all JTCG/AS comments and corrections.

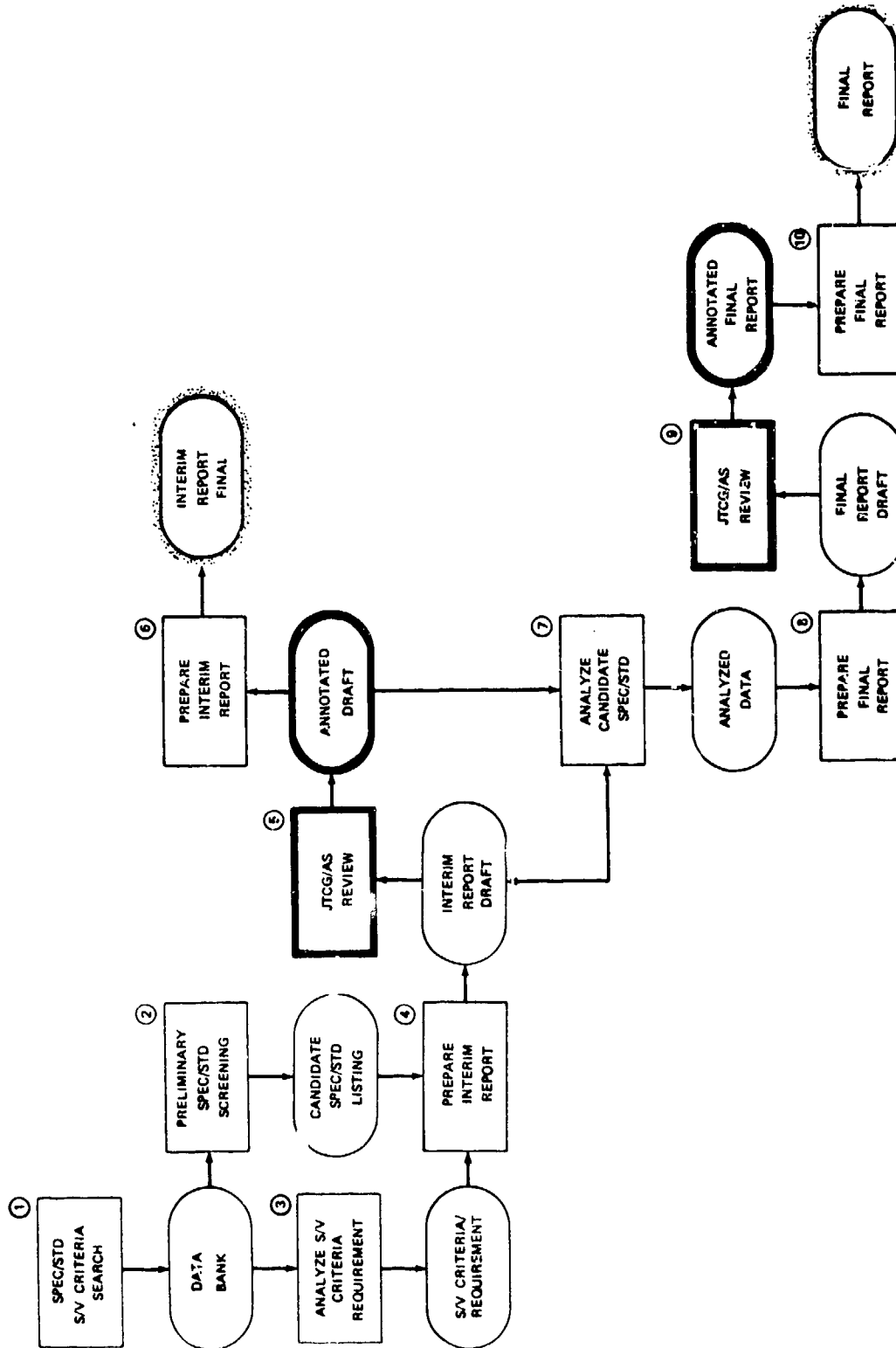


Figure 1. Program Task Flow Diagram.

PRELIMINARY SCREENING

SCREENING CRITERIA

Criteria were developed for preliminary screening of all military specifications and standards that identified a list of candidates for analysis. The primary objective was to include all military aircraft subsystems and their related components to levels that would ensure complete coverage and consideration of S/V provisions. Separate criteria were developed for military specifications and standards.

Military Specification

A military specification was judged to be qualified for inclusion in the candidate list if it pertained to the following:

1. Aircraft configuration
2. Subsystems general specification
3. Component general specification
4. Specific components/materials with S/V feature
5. Military aircraft consumables (fuel, oil, hydraulic fluid, etc.)
6. Ballistic protection material (armor)

Military Standard

There are three types of military standards as defined by Defense Standardization Manual 4120.3-M. These are book form (MIL-STD), unit page (MIL-STD), and sheet form (MS). For this program, only the book form military standard documents were found to be of interest. Unit page military standard documents are structured to provide charts, standard design layouts, formulas, graphs, and lists of engineering data. Where used for a standard piece of equipment, they refer to a book form military standard that contains the overall requirements and other supporting sections. Sheet form military standards provide an identification of standard parts used for component building blocks (such as fasteners, resistors, tubes, etc.). These, in turn, refer to book form military standard for full details. Criteria for listing a book form military standard included the following categories:

1. Design method
2. Design process
3. System engineering
4. Installation of armor

Document Data

The listing of DoD (Department of Defense) specifications and standards were reviewed using the defined criteria. For each identified specification or standard, the following information was established::

1. Document number
2. Date (specified in DoD index)
3. FSC (federal supply code) number
4. Document preparer
5. Document classification
6. Coordinating military service(s)
7. Document title

AIRCRAFT SUBSYSTEMS

Figure 2 shows 15 aircraft subsystem categories were established for the program, reflecting the general arrangement of the aircraft industry design groups. These encompass the spectrum of design disciplines required for all military aircraft. Included in the subcategories is one for armor subsystems, a relatively new system discipline that has been included in armament system design areas.

MILITARY SERVICES

The specification and standards were reviewed for the following using activities. Triservice, Army, Air Force, and Navy.

DATA SOURCES

The DoD Index of Specifications and Standards was used as the primary source of documents. It lists all unclassified specifications and standards. S/V focal point activities were contracted within each of the three major military services to identify other military specifications or standards that were either classified or not included in the DoD index. These activities were NASC (Naval Air Systems Command) and AFSC (Air Force Systems Command), Washington, D.C., and AASC (Army Aviation Systems Command), St. Louis, MO. From these inputs, primary screening was conducted.

INTERIM REPORT SUMMARY

A total of 743 documents (686 military aircraft specifications and 57 military aircraft standards) were identified as candidates for analysis. The total number of documents and number of documents in each subsystem was changed as a result of the analysis for the final report, some deleted and others added. The final number of documents are listed in Table 1 by subsystems. The interim report was published as Rockwell International, Los Angeles Aircraft Division Document NA-73-877.

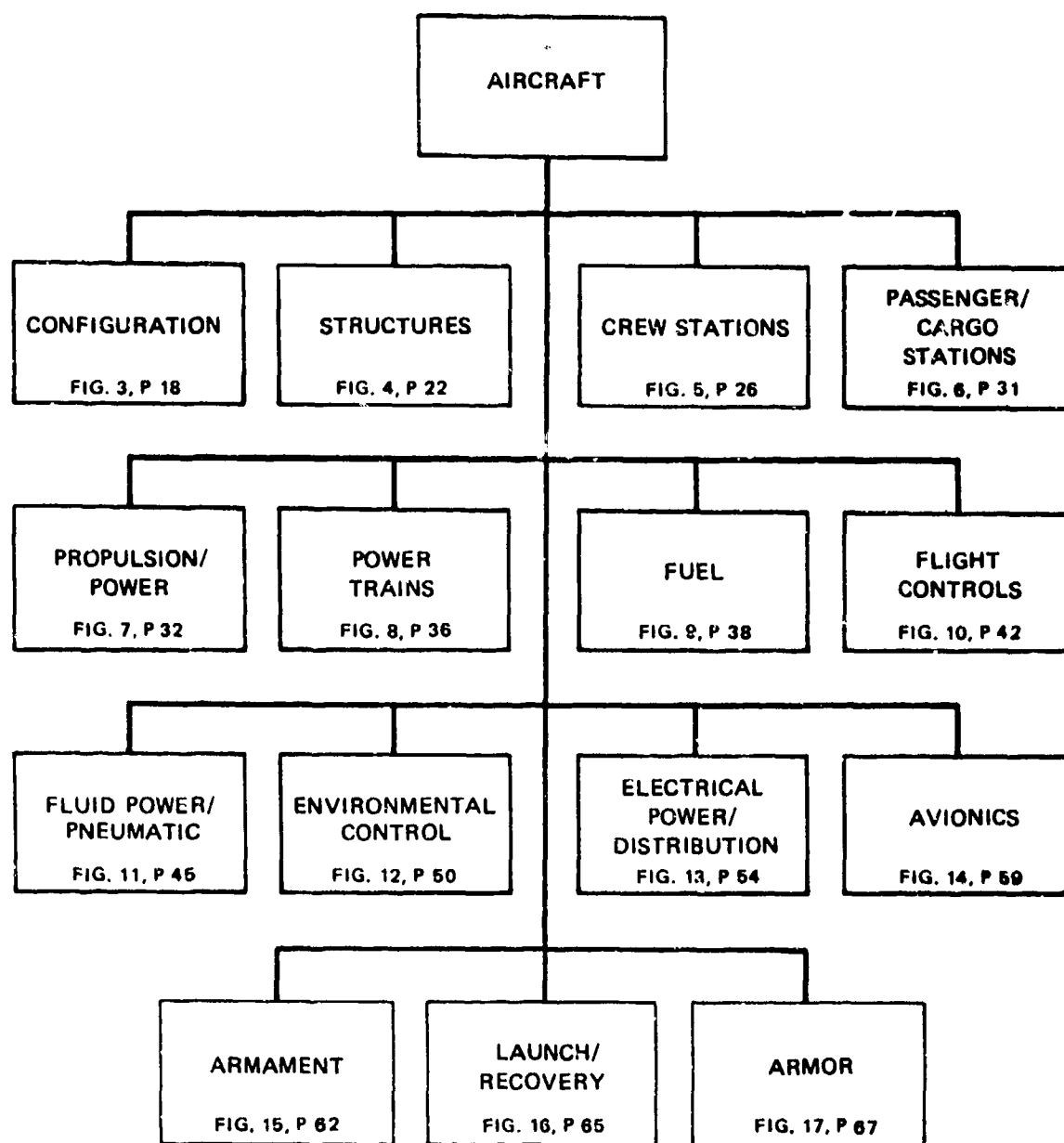


Figure 2. Aircraft Subsystem Categories.

Table 1. Final Number of Documents by Subsystem.

Aircraft subsystems	Military specifications	Military standards
Configuration	25	18
Structures	28	5
Crew stations	56	5
Passenger/cargo stations	7	0
Propulsion/power	41	2
Power trains	9	0
Fuel	41	0
Flight controls	22	0
Fluid power/pneumatic	51	1
Environmental control	50	3
Electrical power/distribution	60	2
Avionics	30	6
Armament	29	4
Launch/recovery	18	1
Armor	30	2

DOCUMENT ANALYSIS

CRITERIA

Criteria for analyzing each candidate document were developed through contact and discussion with the three military services S/V activities. From these discussions, the following S/V provisions criteria were established and approved by the Ad Hoc committee:

1. General provision - refers to specific aircraft system specification for:
 - a. Hostile weapon systems and their effects (ballistics and laser)
 - b. Secondary weapon effects (i.e., spall, fire, corrosive fluids/vapors, etc.)
 - c. Kill categories and definitions for mission completion
 - d. Minimized observable values or objectives for radar, infrared, aural, and visual signatures
 - e. Quality assurance (test and/or analysis)
2. Specific provision - defined capability level of subsystems and/or components for:
 - a. Weapon effects protection
 - b. Secondary effects protection
 - c. Suppression of hazardous response or generation of secondary hazardous environments
 - d. Levels for radar, infrared, aural, or visual signatures.

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The following specific document sections* were identified for consideration during the analysis:

1. Scope - identifies S/V interface with document
2. Applicable documents - identifies related S/V specifications, standards, design guides, handbooks, and other technical publications
3. Requirements
 - a. General
 - b. Specific
4. Quality assurance
 - a. Test
 - b. Analysis
5. Notes - identifies applicability of specification (not required in military standards).

The analysis included documentation of S/V provisions or deficiencies found in each of the aforementioned sections. This was processed to include the latest information, since analysis showed some changes were made since the issuance of the current DOD index.

The results of individual document analysis were listed in alphanumeric order for military aircraft specifications and standards and specific service specifications or standards considered relevant by the Ad Hoc committee.

Aircraft system and subsystem groupings were established under *Preliminary Screening* in this document, using 15 separate categories (Figure 2). These reflect general arrangements of aircraft industry design groups and were developed since no specific listings are available other than those included in military design handbooks and guides. For the arrangement in this study, there was found to be a lack of general subsystem specifications or standards for the following:

1. Aircraft configuration
2. Aircraft structures
3. Crew stations
4. Passenger/cargo stations
5. Propulsion/power
6. Power trains
7. Launch/recovery
8. Armor

Nonnuclear S/V provisions could be established for these subsystems if a general specification existed.

*Specification headings vary. Applicable Documents and Notes are also termed References and Definitions, respectively.

ORDER OF PRECEDENCE CATEGORIES

An order of precedence for incorporation of specifications and standards was established. An analysis was conducted to segregate the documents into three categories, in order of importance, as follows:

1. Flight-essential subsystems/components
2. Mission-essential subsystems/components
3. Lower-tier subsystems/components whose S/V requirements will be adequately contained in higher-tier documents.

This segregation minimized the number of documents that will require changes and established the proper order of priorities. Definitions were established for the categories as follows:

1. Flight-essential subsystems/components are required for a contemporary aircraft (fixed or rotary wing) to maintain controlled flight sufficient for return to a recovery area. Future military aircraft flight-essential functions may be primarily or fully dependent upon electrical or electronic systems. When this occurs, suitable nonnuclear S/V provisions will be considered for incorporation into appropriate documents.

2. Mission-essential subsystems/components are required for operation of functions, other than controlled flight for military aircraft combat operations, including fire control, weapons delivery, target detection/identification, and penetration aids, etc.

3. Lower-tier subsystems/components includes those where adequate nonnuclear S/V provisions can be incorporated into higher-tier documents without sacrificing effective survivability or cause ambiguous or misleading interpretation. The majority of military specifications are in this category.

The resulting sequential order is illustrated in Figures 3 through 17. (See page 18.) The data which follows each figure lists the assignee, FSC, title, preparing activity, and document number. This arrangement provides identification of the assignee activities involved in a program incorporating nonnuclear S/V provisions. Table 2 contains the identification of military activities associated with each assignee and FSC.

PROVISIONS/DEFICIENCIES SUMMARY

Deficiencies were identified as general or specific.

A general deficiency is defined as the absence of nonnuclear S/V provisions, that should refer to aircraft system procurement specifications for specific S/V scope, applicable documents, requirements, quality assurance, and intended use. This would include such areas as radar cross section; visual, infrared, and aural detection signatures; ballistic and/or laser weapon effects hardening; fire and explosion suppression, etc.; and other secondary hazards that may be created by primary hostile weapon effects.

A specific deficiency is defined as the absence of adequate nonnuclear S/V provisions in a section that relates to a level of survival enhancement, including provisions such as self-sealing or ballistic tolerance for specific size, type, and impact conditions for projectiles and/or fragments. For example, a specific deficiency is considered to exist if protection for a .50-caliber projectile is cited, but does not specify type (ball, armor-piercing, armor-piercing-incendiary, tracer, etc.) or a quantitative criteria for acceptance or rejection.

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Table 2. Federal Supply Classification and Assignee Codes.

FSC	Title	Assignee code
1005	Guns Through 30 MM	WC
1270	Aircraft Gunnery Fire Control Components	84
1285	Fire Control Radar Equipment, Except Airborne	MU
1336	Guided Missile Warheads and Explosive Components	70
1337	Guided Missile and Space Vehicle Explosive Propulsion Units Solid Fuel	70
1340	Rockets, Rocket Ammunition, and Rocket Components	OS
1345	Land Mines	PA
1370	Pyrotechnics	PA
1375	Demolition Materials	PA
1376	Bulk Explosives	PA
1377	Cartridge and Propellant Actuated Devices and Components	MU
1410	Guided Missiles	70
1420	Guided Missile Components	70
1440	Guided Missile Launchers	70
1500	Aircraft and Airframe Structural Components	11
1510	Fixed Wing Aircraft	11
1520	Rotary Wing Aircraft	AV
1560	Airframe Structural Components	80
1610	Aircraft Propellers	84
1615	Helicopter Rotor Blades, Drive Mechanisms, and Components	AV
1620	Aircraft Landing Gear Components	70
1630	Aircraft Wheel and Brake Systems	70
1640	Combined With 1560	...
1650	Aircraft Hydraulic, Vacuum, and De-Icing System Components	AS
1660	Aircraft Air Conditioning, Heating, and Pressurizing Equipment	71
1670	Parachutes; Aerial Pickup, Delivery, Recovery Systems; and Cargo Tiedown Equipment	82
1680	Miscellaneous Aircraft Accessories and Components	82
1710	Aircraft Arresting, Barrier, and Barricade Equipment	AS
1720	Aircraft Launching Equipment	AS
2530	Vehicular Brake, Steering, Axle, Wheel, and Track Components	CS

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Table 2. Federal Supply Classification and Assignee Codes (Contd.)

FSC	Title	Assignee code
2620	Aircraft Tires and Tubes Pneumatic	70
2810	Gasoline Reciprocating Engines, Aircraft; and Components	82
2835	Gas Turbines and Jet Engines, Except Aircraft; and Components	ME
2840	Gas Turbine and Jet Engines, Aircraft; and Components	71
2845	Rocket Engines and Components	70
2915	Aircraft Engine Fuel System Components	82
2925	Aircraft Engine Electrical System Components	82
2935	Aircraft Engine Cooling System Components	71
2945	Aircraft Engine Air and Oil Filters, Strainers, and Cleaners	71
2950	Turbosuperchargers	71
2995	Aircraft Miscellaneous Engine Accessories	71
3010	Torque Converters and Speed Changers	ME
3040	Miscellaneous Power Transmission Equipment	ME
3424	Metal Heat Treating and Nonthermal Treating Equipment	IP
3460	Machine Tool Accessories	IP
4010	Chain and Wire Rope	IS
4030	Fittings for Rope, Cable, and Chain	IS
4210	Fire Fighting Equipment	ME
4240	Safety and Rescue Equipment	EA
4320	Power and Hand Pumps	ME
4720	Hose and Tubing Flexible	CS
4730	Fittings and Specialities: Hose, Pipe, and Tube	CS
4820	Valves, Nonpowered	SH
4920	Aircraft Maintenance and Repair Shop Specialized Equipment	82
4925	Ammunition Maintenance and Repair Shop Specialized Equipment	OS
4930	Lubrication and Fuel Dispensing Equipment	ME
5130	Hand Tools, Power-Driven	GL
5355	Knobs and Pointers	IS
5680	Miscellaneous Construction Materials	ME
5826	Radio Navigation Equipment Airborne	84
5840	Radar Equipment Except Airborne	80
5845	Underwater Sound Equipment	SH
5905	Resistors	ES
5910	Capacitors	ES
5915	Filters and Networks	ES

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Table 2. Federal Supply Classification and Assignee Codes (Contd.)

FSC	Title	Assignee code
5920	Fuses and Lighting Arresters	ES
5925	Circuit Breakers	ES
5930	Switches	ES
5935	Connectors, Electrical	ES
5940	Lugs, Terminals, and Terminal Strips	GS
5945	Relays, Contactors, and Solenoids	ES
5950	Coils and Transformers	ES
5955	Piezoelectric Crystals	EL
5960	Electron Tubes and Associated Hardware	ES
5961	Semiconductor Devices and Associated Hardware	ES
5962	Microelectronic Circuit Devices	ES
5965	Headsets, Handsets, Microphones, and Speakers	EL
5970	Electrical Insulators and Insulating Materials	GS
5975	Electrical Hardware and Supplies	GS
5985	Antennas, Waveguides, and Related Equipment	ES
5990	Synchros and Resolvers	AS
6105	Electrical Motors	SH
6110	Electrical Control Equipment	SH
6115	Electrical Generators and Generator Sets	ME
6125	Converters, Electrical, Rotating	82
6130	Converters, Electrical, Nonrotating	SH
6140	Secondary Batteries	AS
6145	Electrical Wire and Cable	IS
6150	Miscellaneous Electric Power and Distribution Equipment	ME
6220	Electric Vehicular Lights and Fixtures	GS
6340	Aircraft Alarm and Signal Systems	82
6600	Instruments and Laboratory Equipment	71
6605	Navigational Instruments	SH
6610	Flight Instruments	71
6615	Automatic Pilot Mechanisms and Airborne Gyro Components	71
6620	Engine Instruments	71
6625	Electrical and Electronic Properties Measuring and Testing Instruments	EL
6680	Liquid and Gas Flow, Liquid Level and Mechanical Motion Measuring Instruments	AS
6685	Pressure, Temperature, and Humidity Measuring and Controlling Instruments	82
6830	Gases, Compressed and Liquefied	GS

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Table 2. Federal Supply Classification and Assignee Codes (Contd.)

FSC	Title	Assignee code
6850	Miscellaneous Chemical Specialties	GS
6910	Training Aids	70
7440	Automatic Data Processing Systems: Industrial, Scientific, and Office Types	EL
8010	Paints, Dopes, Varnishes, and Related Products	MR
8030	Preservative and Sealing Compounds	MR
8040	Adhesives	AS
8120	Commercial and Industrial Gas Cylinders	GS
8305	Textile Fabrics	DP
8415	Special-Purpose Clothing	DP
8470	Personal Armor	DP
8475	Specialized Flight Clothing and Accessories	DP
9130	Petroleum Base Liquid Propellants and Fuels	PS
9135	Chemical Base Liquid Propellant Fuels and Oxidizers	68
9150	Cutting, Lubricating and Hydraulic Oils and Greases	GS
9320	Rubber Fabricated Materials	GS
9330	Plastics Fabricated Materials	GS
9340	Glass Fabrication Materials	GS
9350	Refractories and Fire Surfacing Materials	GS
9500	Metal Bars, Sheets, and Shapes	IS
9515	Iron and Steel: Plate, Sheet and Strip	IS
9535	Nonferrous Base Metal: Plate, Sheet, Strip and Foil	IS
13GP	Ammunition and Explosive	EA
14GP	Guided Missiles	70
15GP	Aircraft and Airframe Structural Components	11
47GP	Pipe, Tubing, Hose, and Fittings	CS
58GP	Communication, Detection, and Coherent Radiation Equipment	EC
59GP	Electrical and Electronic Equipment Components	ES
66GP	Instruments and Laboratory Equip	71
FORG	Forgings	SH
MFFP	Metal Finishes and Finishing Processes and Procedures	MR
TMSS	Technical Manual Specification and Standards	16
MECA	Metal Castings	MR
MISC	Miscellaneous (Not Otherwise Assigned)	WR

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Table 3 contains the summary of nonnuclear S/V provisions and deficiencies found in the documents analyzed. No military specification or standard was found that contained specific S/V provisions for high energy laser protection. This is not unusual, since it is a relatively new technical area where application to military aircraft is in preliminary development.

Documents found to be deficient in nonnuclear S/V provisions are listed and shown for general and specific deficiencies in each section. This listing shows only the absence of such provisions, and does not establish incorporating actions beyond the scope of this program (conducted merely to identify the major military specifications/standards where nonnuclear S/V provisions could be applied).

Provisions and deficiencies are shown to provide an indication of relative status. A preliminary listing of specifications and standards are considered primary candidates for incorporation of general or specific S/V provisions.

Table 3. Military Specifications/Standards Nonnuclear S/V Provisions/Deficiencies.

Provisions/deficiencies	Document Section					Total
	Scope	Applicable documents	Requirements	Quality assurance	Notes	
Adequate Specific	62	63	91	74	74	364
Deficient General	597	595	555	511	583	2,841
Deficient Specific	2	3	15	16	4	40

LISTING OF AIRCRAFT S/V RELATED SPECIFICATIONS AND STANDARDS

The military aircraft S/V related specifications and standards identified in this study are in alphanumeric order beginning on page 71. Figure 18 (page 70) explains the format:

1. The first line contains the document number, date, associated subsystem, service, document classification, preparer, FSC, and type of nonnuclear S/V provisions deficiency for each section of the document (scope, references, requirements, quality assurance, and definitions or notes).
2. The second line lists any amendments or supplements.
3. The third line contains the document title.
4. The remaining lines contain reference to the specific paragraphs in the document where S/V provisions are contained, or a statement of no provisions. The formal DoD military specifications and standards are listed first, and then specific service documents, considered relevant to incorporation of nonnuclear S/V requirements into aircraft systems.

Table 4 contains the preparing activity/assignee codes with identification and location for each.

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Table 4. Preparing Activities/Assignee Codes.

Code	Preparing activity	Code	Preparing activity
AS	Commander Naval Air Systems Command Attn: Code 52021 Department of the Navy Washington, D.C. 20360	MC	Commandant of the Marine Corps Attn: Code CSY-10/1 Headquarter, USMC Washington, D.C. 20380
AV	Commander U.S. Army Aviation Systems Command Attn: AMSAV-ES P.O. Box 209, Main Office St. Louis, Missouri 63166	MI	Commander U.S. Army Missile Command Attn: AMSMI-RCS Redstone Arsenal, Alabama 35809
DP	Commander Defense Personnel Support Center Attn: DPSC-N 2800 South 20th Street Philadelphia, Pennsylvania 19101	MR	Director U.S. Army Materials and Mechanics Research Center Attn: AMXMR-MS Watertown, Mass. 02172
EA	Commander Edgewood Arsenal Attn: SAREA-TS-S Edgewood Arsenal, Maryland 21010	MU	Commander U.S. Army Munitions Command Attn: SMUFA-J4000 Philadelphia, PA 19157
EC	Commander Naval Electronic Systems Command Attn: Code ELEX 0517 Department of the Navy Washington, D.C. 20360	OS	Commander Naval Ordnance Systems Command Attn: ORD-05223 Department of the Navy Washington, D.C. 20360
EL	Commander U.S. Army Electronics Command Attn: AMSEL-RD-ZS Fort Monmouth, N.J. 07703	PA	Commander Picatinny Arsenal Attn: SARPA-AD-C-3 Dover, New Jersey 07801
GL	Commander U.S. Army Natick Laboratories Attn: AMXRES-EQS Natick, Mass. 01760	SH	Commander Naval Ship Engineering Center Attn: Code 6124, Center Bldg. Prince Georges Center Hyattsville, Maryland 20782

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Table 4. Preparing Activities/Assignee Codes (Contd.)

Code	Preparing activity	Code	Preparing activity
TM	Director of Maintenance U.S. Army Materiel Command Attn: AMCMA-SM Washington, D.C. 20315	15	Director AF Weapons Laboratory AFSC, AFWL(SEW) Kirtland AFB, New Mexico 87117
WC	Commander Hq. U.S. Army Weapons Command Attn: AMSWE-RDD Rock Island Arsenal Rock Island, Illinois 61202	16	Commander Technical Engineering Data Branch AFLC(MMOMP) Wright-Patterson AFB, OH 45433
10	Deputy Chief of Staff/ Systems Directorate of Production Management Production Management Division AFSC/SDDP Andrews AFB Washington, D.C. 20331	17	Commander Rome Air Development Center AFSC, RADC(RBRC) Griffiss AFB, N.Y. 10440
11	Commander Aeronautical Systems Division Engineering Standards Division ASD/4950/TZS Wright-Patterson AFB, OH 45433	70	Commander Ogden Air Materiel Area AFLC, OOAMA(MMSS) Hill AFB, Utah 84406
12	Director AF Rocket Propulsion Laboratory AFSC, AFRPL(DOZS) Edwards AFB, California 93523	71	Commander Oklahoma City Air Materiel Area AFLC/OCAMA(MMSS) Tinker AFB, Oklahoma 73145
13	Commander Electronic Systems Division AFSC, ESD(TRD) L.G. Hanscom Field Bedford, Massachusetts 01730	80	Commander Sacramento Air Materiel Area AFLC, SMAMA(MMSS) McClellan AFB, California 95652
		82	Commander San Antonio Air Materiel Area AFLC, SAAMA(MMSS) Kelly AFB, Texas 78241
		84	Commander Warner Robins Air Materiel Area AFLC, WRAMA(MMSS) Robins AFB, Georgia 31093

CONCLUSIONS AND RECOMMENDATIONS

The results show approximately 88 percent of the identified military specifications and standards have no nonnuclear S/V provisions. This does not imply provisions appear in each document, but an indication of their content. Documents found containing nonnuclear S/V provisions were deficient in one or more of the major sections. This can be illustrated by the requirement to design a component to withstand the impact of a tumbled incendiary .50-caliber projectile without separation or excessive tearing. No documents were found containing provisions for S/V considerations related to high energy laser weapon effects.

An example that contains adequate nonnuclear S/V provisions (excluding high energy lasers) is MIL-I-83294, *Installation Requirements, Aircraft Propulsion Systems, General Specification for*. Sufficient application for S/V is established in the sections contained therein, and listed as follows:

1. Scope - Vulnerability is established as a technical requirement.
2. Applicable documents - MIL-STD-882, *System Safety*, is referenced for safety factors; AFSC DH2-3 design handbook on propulsion and power which refers to AFSC DH2-7 design handbook on system survivability.
3. Requirements - Vulnerability of components and accessories and installation relative to the aircraft mission is specified.
4. Quality assurance - Specified compliance with requirements through examination of mockups, drawings, or reports.
5. Applicable notes - Reference is made to design requirements and MIL-STD-882.

Another excellent example is MIL-STD-1288 for ballistic protection of aircrewmembers. It was prepared specifically for a nonnuclear S/V application and is complete.

A few were found containing provisions considered to be beneficial for nonnuclear S/V. Most were provisions to limit or suppress damage, failures, malfunctions, or creation of other hazardous secondary effects.

From the survey and analysis of related military aircraft specifications and standards, recommendations have been developed and presented for consideration for implementation by JTCG/AS organization. In order of priority, they are:

1. Acceptable general nonnuclear S/V provisions should be developed that can be incorporated in each relevant section of selected military specifications and standards. When specified, provisions should refer to aircraft system procurement specifications for actual S/V requirements, including features as: aircraft observables, ballistic protection, and high energy laser weapons effects protection. The following is a condensed version of general S/V provisions, where required by the aircraft procurement specification:

- a. Scope - This specification/standard contains provisions for nonnuclear S/V where considerations may be required by the aircraft system procurement specification.

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b. **Applicable documents** - Where nonnuclear S/V provisions are specified by the aircraft system procurement specifications, these documents shall apply (as appropriate to the procured aircraft system): AFSC DH2-7, *Aeronautical System Survivability Design Handbook*; USAAMRDL TR71-41/B, *Survivability Design Guide for U.S. Army Aircraft*; and NAVAIR-0025-524, *Navy Aircraft Survivability Guidelines*.

c. **Requirements** - Specific nonnuclear S/V provisions shall apply as applicable to this specification/standard as authorized by the procuring agency.

d. **Quality assurance** - Where nonnuclear S/V requirements are established in the requirements section, their verification by test and/or analysis shall be accomplished as specified by the quality assurance section of the aircraft procurement specifications.

e. **Notes** - The intended use of this document includes the nonnuclear survival enhancement of the aircraft system end item.

2. An aircraft S/V program book form military standard should be developed, providing military and industry with a standard criteria and ground rules for conducting an S/V program for new aircraft. It can provide guidance and authority needed to ensure proper consideration and design of S/V features incorporated into the system throughout conceptual and definition design phases. The document would be subordinate to MIL-STD-499 at the same level as (1) MIL-STD-882 for system safety programs, (2) MIL-STD-785A for reliability programs, and (3) MIL-STD-470 for maintainability programs.

3. Review and analysis of military aircraft specifications with specific nonnuclear S/V provisions found to be deficient should be conducted, to: (1) develop adequate revisions, and (2) correct the deficiencies. An example, some specifications call for a ballistic test of the component with a .50-caliber projectile. The type projectile (i.e., ball, armor-piercing, or armor-piercing-incendiary), striking velocities, angles of obliquity, or projectile yaw angles are not specified. Neither the requirements nor the quality assurance sections of the specification provide an adequate quantitative level for acceptance.

4. Consideration should be given to the development of overall general specifications for subsystems that do not have them, permitting incorporation of general nonnuclear S/V provisions, rather than subordinate documents.

5. The revision of MIL-STD-490, *Military Standard Specification Practices*, should be considered to incorporate suitable provisions for nonnuclear S/V. The provisions should be specified on the same level as; reliability, maintainability, availability, system effectiveness, environmental conditions, nuclear control requirements, and transportability paragraphs. This would be applicable for Type A1, System Specifications, Type B1, Prime Item Development Specifications, and Type B2, Critical Item Development Specifications, replacing the subparagraph for vulnerability factors contained in Paragraph 3.2.2., *Physical Characteristics*, which is considered inadequate for current military aircraft procurement.

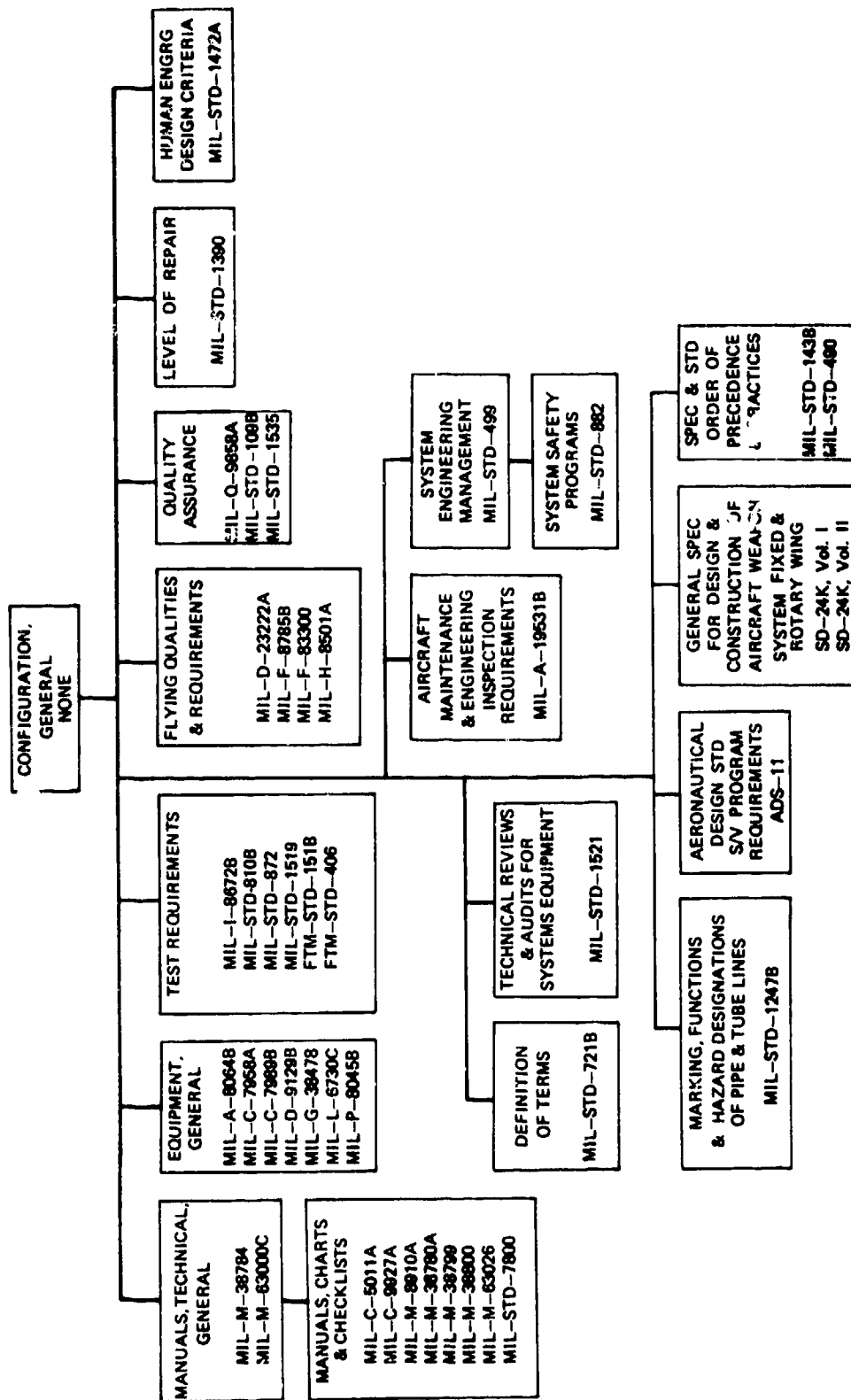


Figure 3. Specification and Standard Relationships for Configuration Subsystem.

CONFIGURATION SUBSYSTEM
(Figure 3)

Assignee	FSC	Preparer	Spec/Std	Title
Flight Essential Category (1)				
11	1500	11	MIL-F-83300	Flying Qualities of Piloted V/STOL Aircraft
11	1500	11	MIL-F-8785B	Flying Qualities of Piloted Airplanes
AV	1520	AV	MIL-H-8501A (1)	Helicopter Flying and Ground Handling Qualities, General Requirements For
MR	8030	AS	MIL-P-8045B (3)	Plastic, Self-Sealing and Non-Self-Sealing Tank Backing Material
WR	MISC	10	MIL-STD-882	System Safety Program for Systems and Associated Subsystems and Equipment, Requirements for
...	...	...	SD-24K, VOL I	General Specification for Design and Construction of Weapons System, Fixed Wing
...	...	...	SD-24K, VOL II	General Specification for Design and Construction of Weapons System, Rotary Wing
Mission-Essential Category (2)				
82	1680	11	MIL-A-8064B	Actuator and Actuating Systems, Aircraft, Electromechanical, General Requirements for
WR	MISC	NM	MIL-STD-1390	Level of Repair
Lower-Tier Category (3)				
11	1500	AS	MIL-A-19531B	Aircraft, Maintenance and Engineering Inspection Requirements
11	1500	11	MIL-C-5011A	Charts, Standard Aircraft Characteristics and Performance, Piloted Aircraft
71	2995	71	MIL-C-7958A	Control, Push Pull, Flexible and Rigid

CONFIGURATION SUBSYSTEM (Contd.)
(Figure 3)

Assignee	FSC	Preparer	Spec/Std	Title
GS	0220	82	MIL-C-7989B	Cover, Light Transmitting, for Aeronautical Lights, General Specification for
16	TMSS	16	MIL-C-9927A	Checklist, Organizational Maintenance (for Aeronautical Weapons Systems)
AV	1520	AS	MIL-D-23222A	Demonstration Requirements for Helicopters
ES	5920	80	MIL-D-9129B	Discharger, Aircraft Electrostatic, General Specification for
71	6610	11	MIL-G-38478 (1)	General Requirements for Angle of Attack Based Systems
PA	1370	AS	MIL-I-8672B	Installation and Test of Aircraft Pyrotechnic Equipment in Aircraft, General Specification for
GS	6220	AS	MIL-L-6730C	Lighting Equipment, Exterior, Installation of Aircraft (General Specification)
16	TMSS	16	MIL-M-38780A (1)	Manual, Technical, Nondestructive Inspection
16	TMSS	16	MIL-M-38784 (1)	Manual, Technical, General Requirements for Preparation of
WR	MISC	11	MIL-STD-1519	Test Requirements Document, Preparation of
WR	MISC	13	MIL-STD-1521	Technical Reviews and Audits for systems, Equipment, and Computer Programs
WR	MISC	10	MIL-STD-1535	Supplier Quality Assurance Program Requirements
WR	MISC	10	MIL-STD-490 (1)	Specification Practices
WR	MISC	10	MIL-STD-499 (1)	System Engineering Management
WR	MISC	AS	MIL-STD-721B	Definition of Effectiveness Terms for Reliability, Maintainability, Human Factors, Safety
WR	MISC	AS	MIL-STD-780D	Work Unit Codes and Maintenance Engineering Analyses Control Numbers for Aeronautical Equipment

CONFIGURATION SUBSYSTEM (Contd.)
(Figure 3)

Assignee	FSC	Preparer	Spec/Std	Title
WR	MISC	11	MIL-STD-810B (4)	Environmental Test Methods
11	1500	11	MIL-STD-872	Test Requirements and Procedures for Aircraft Emergency Ground and Ditch Escape Provisions
...	...	AV	ADS-11	Aeronautical Design Standard Survivability/Vulnerability Program Requirements
...	9500	...	FTM-STD-151B	Metals; Test Methods
IS	9500	...	FTM-STD-406	Plastic; Methods of Testing
16	TMSS	16	MIL-M-38799(USAF)	Manuals, Technical, Schematic Block Diagrams (SBD) Maintenance Dependency Charts (MDC)
16	TMSS	16	MIL-M-38800 (1)	Manual, Technical, Organizational Maintenance Instructions (for Aircraft)
16	TMSS	TM	MIL-M-63000C (1)	Manuals, Technical, General Requirements for Manuscripts
16	TMSS	TM	MIL-M-63026 (2)	Manual, Technical, for Army Aircraft
16	TMSS	AS	MIL-M-8910A (2)	Manuals, Technical, Illustrated Parts Breakdown Preparation of
WR	MISC	01	MIL-Q-9858A	Quality Program Requirements
WR	MISC	SH	MIL-STD-109B	Quality Assurance Terms and Definitions
WR	MISC	MI	MIL-STD-1247B	Marking, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft
WR	MISC	11	MIL-STD-143B	Standards and Specifications, Order of Precedence for the Selection of
WR	MISC	MI	MIL-STD-1472A	Human Engineering Design Criteria for Military Systems, Equipment, and Facilities

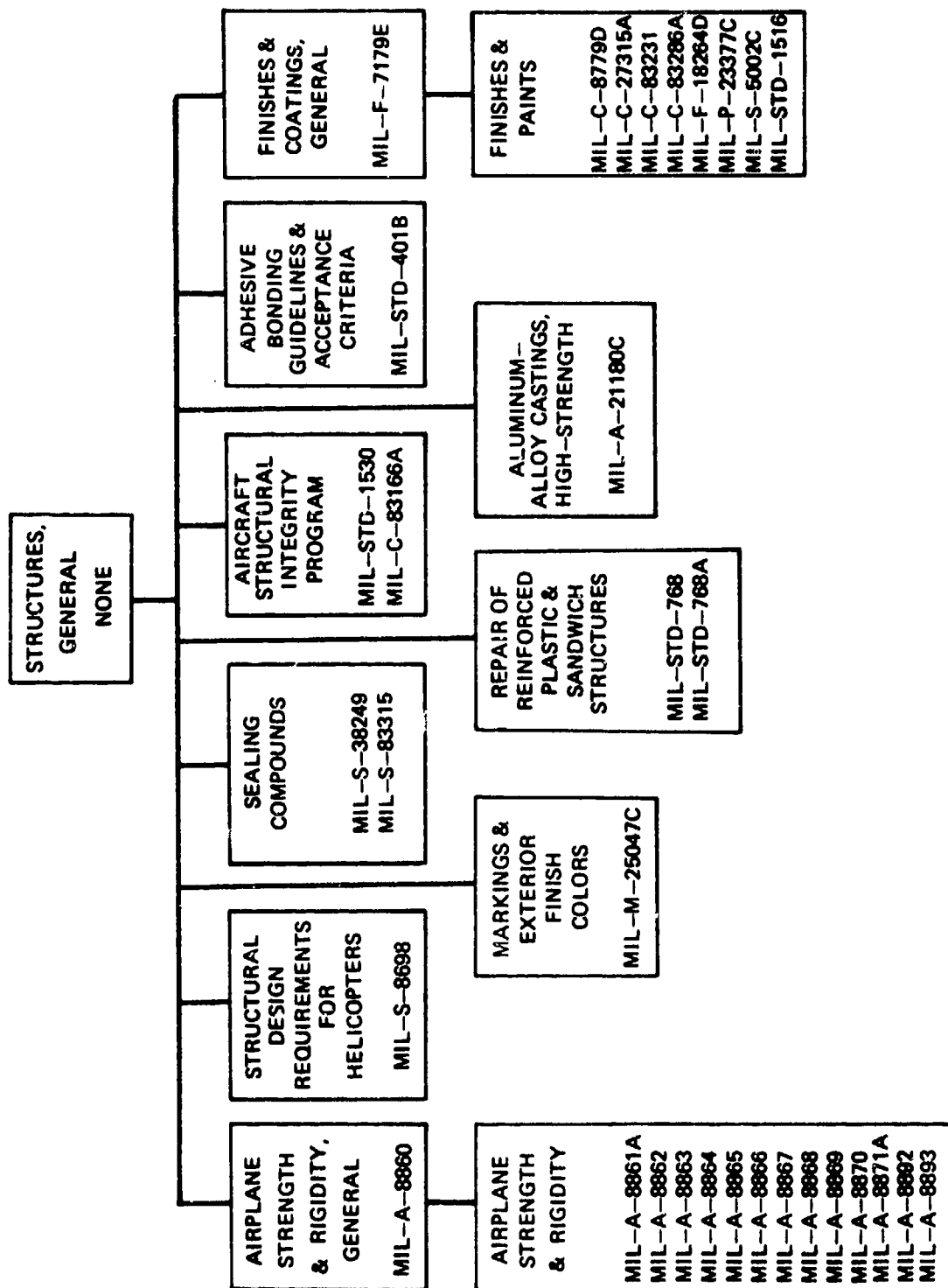


Figure 4. Specification and Standard Relationships for Configuration Subsystem.

STRUCTURES SUBSYSTEM
(Figure 4)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
11	1510	AS	MIL-A-8860	Airplane Strength and Rigidity, General Specification for
AV	1520	AS	MIL-S-8698(ASG) (1)	Structural Design Requirements, Helicopters
Mission-Essential Category (2) None				
Lower-Tier Category (3)				
MR	MECA	AS	MIL-A-21180C (1)	Aluminum-Alloy Castings, High Strength
11	1510	AS	MIL-A-8861(ASG)	Airplane Strength and Rigidity Flight Loads
11	1510	AS	MIL-A-8862(ASG)	Airplane Strength and Rigidity Landplane Landing and Ground Handling Loads
11	1510	AS	MIL-A-8863(ASG)	Airplane Strength and Rigidity Additional Loads for Carrier Based Airplanes
11	1510	AS	MIL-A-8864(ASG)	Airplane Strength and Rigidity Water and Handling Loads for Seaplanes
11	1510	AS	MIL-A-8865(ASG)	Airplane Strength and Rigidity Miscellaneous Loads
11	1510	AS	MIL-A-8866(ASG)	Airplane Strength and Rigidity Reliability Requirements, Repeated Loads, and Fatigue
11	1510	AS	MIL-A-8867(ASG)	Airplane Strength and Rigidity Ground Tests

STRUCTURES SUBSYSTEM (Contd.)
(Figure 4)

Assignee	FSC	Preparer	Spec/Std	Title
11	1510	AS	MIL-A-8868(ASG)	Airplane Strength and Rigidity Data and Reports
11	1510	AS	MIL-A-8869(ASG)	Airplane Strength and Rigidity Special Weapons Effects
11	1510	AS	MIL-A-8870(ASG)	Airplane Strength and Rigidity Vibration, Flutter, and Divergence
11	1510	11	MIL-A-8871A	Airplane Tests, Strength and Rigidity, Flight and Ground Operations
11	1510	11	MIL-A-8892(USAF)	Airplane Strength and Rigidity, Vibration
11	1510	11	MIL-A-8893(USAF)	Airplane Strength and Rigidity, Sonic Fatigue
MR	8030	11	MIL-C-27315A	Coating System, Elastomeric, Thermally Reflective and Rain Erosion Resistant
71	6610	11	MIL-C-83166A	Converter-Multiplexer, Signal Data, General Specification for
MR	8010	11	MIL-C-83231	Coating, Polyurethane, Rain Erosion Resistant for Exterior Aircraft and Missile Parts
MR	8010	11	MIL-C-83286A	Coating Urethane, Aliphatic Isocyanate, for Aerospace Applications
11	1500	AS	MIL-C-8779D	Color, Interior, Aircraft, Requirements for
MR	8010	AS	MIL-F-18264D (1)	Finishes, Organic, Weapons System, Application and Control of

STRUCTURES SUBSYSTEM (Contd.)
(Figure 4)

Assignee	FSC	Preparer	Spec/Std	Title
MR	MFFP	AS	MIL-F-7179E	Finishes and Coatings, Protection of Aerospace Structures and Parts, General Specification for
11	1500	11	MIL-M-25047C (1)	Markings and Exterior Finish Colors for Airplanes, Airplane Parts and Missiles
MR	8010	AS	MIL-P-23377C (1)	Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant
MR	8030	11	MIL-S-38249 (2)	Sealing Compound, Firewall
MR	MFFP	AS	MIL-S-5002C	Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems
MR	8030	11	MIL-S-83315 (1)	Sealing Compound, Aluminum Structure, Pressure and Weather Sealing, Low Density
MR	8010	84	MIL-STD-1516	Coating for Aircraft and Missiles
11	1500	11	MIL-STD-1530	Aircraft Structural Integrity Program, Airplane Requirements
ME	5680	AS	MIL-STD-401B	Sandwich Constructions and Core Materials, General Test Methods
WR	MISC	AS	MIL-STD-768	Instructions for Repair of Aircraft and Weapons Sandwich Structures, Part II, Metal Construction
WR	MISC	AS	MIL-STD-768A	Instructions for Repair of Aircraft and Weapons Reinforced Plastic and Sandwich Structures

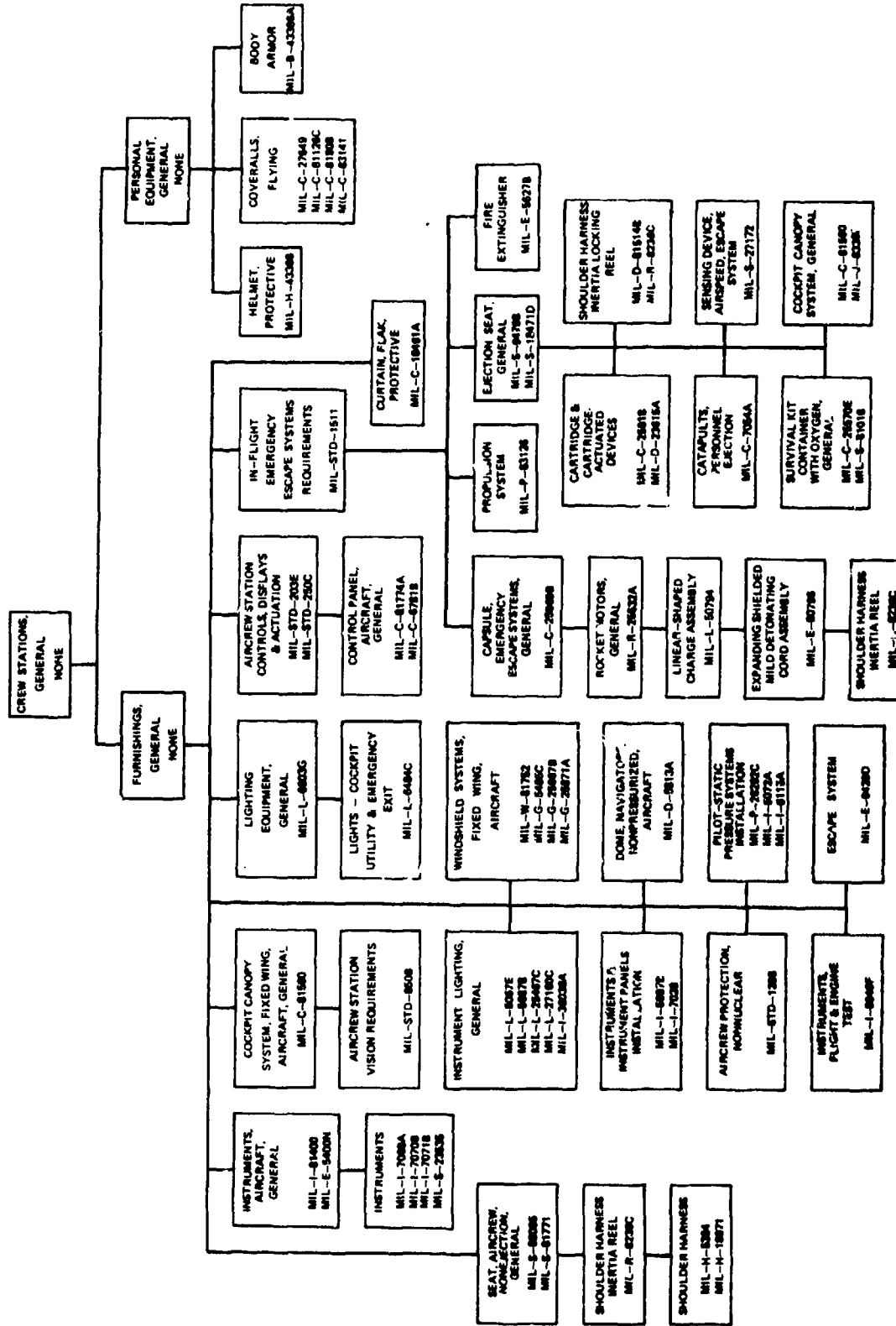


Figure 5. Specification and Standard Relationships for Crew Stations Subsystem.

CREW STATIONS SUBSYSTEM
(Figure 5)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
82	1680	AS	MIL-C-18491A	Curtain, Flak Protective
11	15GP	AV	MIL-STD-1288 (1)	Aircrew Protection Requirements Nonnuclear Weapons Threat
11	1510	AS	MIL-STD-203E	Aircrew Station Controls and Displays for Fixed Wing Aircraft
AV	1520	11	MIL-STD-250C	Aircrew Station Controls and Displays for Rotary Wing Aircraft
Mission-Essential Category (2)				
80	1560	AS	MIL-C-81590 (2)	Cockpit Canopy System, Fixed Wing Single and Multiplace, Fighter, Attack and Trainer
82	1680	AS	MIL-C-81774A	Control Panel, Aircraft, General Requirements for
WR	MISC	AS	MIL-E-5400N	Electronic Equipment, Airborne, General Specification for
71	6610	AS	MIL-I-6115A (3)	Instrument Systems, Pitot Tube and Flush Static Port Operated, Installation of
71	6610	AS	MIL-I-81400	Instrument, Aircraft, General Specification for
70	1337	12	MIL-R-25532A (2)	Rocket Motors, Aeronautical, General Specification for
11	1500	11	MIL-STD-850B	Aircrew Station Vision Requirements for Military Aircraft
Lower-Tier Category (3)				
DP	8470	GL	MIL-B-43366A	Body Armor, Fragmentation Protective, Groin
71	1660	71	MIL-C-25570E (1)	Container, Survival and Oxygen Equipment, Cushion, Seat, General Specification for
PA	1375	11	MIL-C-25918 (2)	Cartridge Actuated Devices, Aircraft Crew Emergency Escape, General Specification for

CREW STATIONS SUBSYSTEM (Contd.)
(Figure 5)

Assignee	FSC	Preparer	Spec/Std	Title
82	1680	11	MIL-C-25969B	Capsule Emergency Escape Systems, General Specification for
DP	8475	82	MIL-C-27649 (3)	Coveralls, High Altitude CSK-6/P22S-2
82	1680	AS	MIL-C-6781R	Control Panel, Aircraft Equipment, Rack or Console Mounted
AS	1720	AS	MIL-C-7054A (1)	Catapuh. Personnel Ejection, NAMC Type II and NAMC Type III (sic)
DP	8415	AS	MIL-C-81126C	Coveralls, Flying, Summer, Fire Resistant Polyimide, Type CS/FRP-1
DP	8475	AS	MIL-C-81908 (1)	Coveralls, Flyers, Summer, High Temperature Resistant, CWU-42/P
DP	8415	11	MIL-C-83141 (5)	Coveralls, Flying, Mens, Summer, Fire-Resistant
82	1680	82	MIL-D-5813A (1)	Dome, Navigator Observing, Non-Pressurized Aircraft, Type A-3A
70	1377	AS	MIL-D-23615A (4)	Design and Evaluation of Cartridge Actuated Devices
81	1680	AS	MIL-D-81514B (5)	Device, Restraint Harness Take-up, Inertia-Locking, Powered-Retracting, General Specification for
MU	1377	MU	MIL-E-50796	Expanding Shielded Mild Detonating Cord Assembly
ME	4210	AS	MIL-E-5627B (2)	Extinguishers, Fire, Carbon Dioxide, Portable
82	1680	AS	MIL-E-9426D (2)	Escape System, Requirements Conformance Demonstrations and Performance Tests
GS	9340	AS	MIL-G-5485C	Glass, Laminated, Flat, Bullet-Resistance
GS	9340	11	MIL-G-25667B (1)	Glass, Monolithic, Aircraft Glazing
GS	9340	11	MIL-G-25871A (1)	Glass, Laminated, Aircraft Glazing

CREW STATIONS SUBSYSTEM (Contd.)
(Figure 5)

Assignee	FSC	Preparer	Spec/Std	Title
82	1680	AS	MIL-H-18971 (2)	Harness, Pilot Shoulder Safety, Standard Y Type
DP	8415	GL	MIL-H-43388(GL)	Helmet, Flying, Protective (Ballistic and Crash)
82	1680	11	MIL-H-5364D	Harness, Shoulder Safety, General Specification for
71	66GP	11	MIL-I-38038A	Instrument Lighting, Electroluminescent, General Specification for
71	6610	AS	MIL-I-5072A	Instrument Systems, Pitot-Static Tube Operated, Installation of
71	6610	11	MIL-I-5949F(USAF)	Instruments, Flight and Engine, Aircraft, Functional Tests and Tolerances of
71	6610	11	MIL-I-5997B	Instrument and Instrument Panels, Aircraft, Installation of
71	6610	AS	MIL-I-7028 (1)	Instrument and Instrument Boards, Aircraft, Installation of
71	6620	11	MIL-I-7069A	Indicator, Tachometer, Electric, Percent Speed Type, Aircraft, General Specification for
82	6685	11	MIL-I-7070B (1)	Indicator, Temperature, Electrical-Resistance, Hermetically Sealed, General Specification for
82	6685	82	MIL-I-7071B	Indicator, Temperature, Thermocouple Hermetically Sealed, General Specification for
82	1680	11	MIL-J-83389	Jettison System, Emergency, Aircraft Canopy, General Specification for
GS	6220	AS	MIL-L-25467C (1)	Lighting, Integral, Aircraft Instrument, General Specification for
71	6620	11	MIL-L-27160C	Lighting, Instrument, Integral, White, General Specification for
GS	6220	AS	MIL-L-5057E (1)	Light, Instrument, Individual, General Specification for
MU	1377	MU	MIL-L-50794	Linear Shaped Charge Assembly

CREW STATIONS SUBSYSTEM (Contd.)
(Figure 5)

Assignee	FSC	Preparer	Spec/Std	Title
GS	6220	11	MIL-L-5667B(ASG)	Lighting Equipment, Aircraft Instrument Panel, General Specification for Installation of
GS	6220	82	MIL-L-6484C (2)	Light, Cockpit Utility, Aircraft General Specification for
GS	6220	MI	MIL-L-6503G (1)	Lighting Equipment, Aircraft, General Specification for Installation of
71	6610	11	MIL-P-26292C (3)	Pitot and Static Pressure Systems, Installation and Inspection of
MU	1377	11	MIL-P-83126	Propulsion System, Aircraft Crew Emergency Escape/Eject, General Design Specification for
82	1680	AV	MIL-R-8236C	Reel, Shoulder Harness, Inertia Lock
82	1680	AS	MIL-S-18471D (3)	System, Aircrew Automated Escape, Ejection Seat Type, General Specification for
71	6610	AS	MIL-S-23535	System, Integrated Flight Instrumentation
82	1680	11	MIL-S-27172	Sensing Device, Airspeed, Escape System, Specification for
82	1680	AV	MIL-S-58095	Seat System, Crashworthy, Non-Ejection, Aircrew, General Specification for
71	1660	AS	MIL-S-81018A	Survival Kit Container, Aircraft Seat, With Oxygen, General Specification for
82	1680	AS	MIL-S-81771 (1)	Seat, Aircrew, Adjustable, Aircraft General Specification for
82	1680	11	MIL-S-9479B (1)	Seat System, Upward Ejection, Aircraft, General Specification for
80	1560	AS	MIL-W-81752	Windshielded System, Fixed Wing Aircraft, General Specification for
82	1680	11	MIL-STD-1511	Inflight Emergency Escape Systems, Aircraft, Requirements for

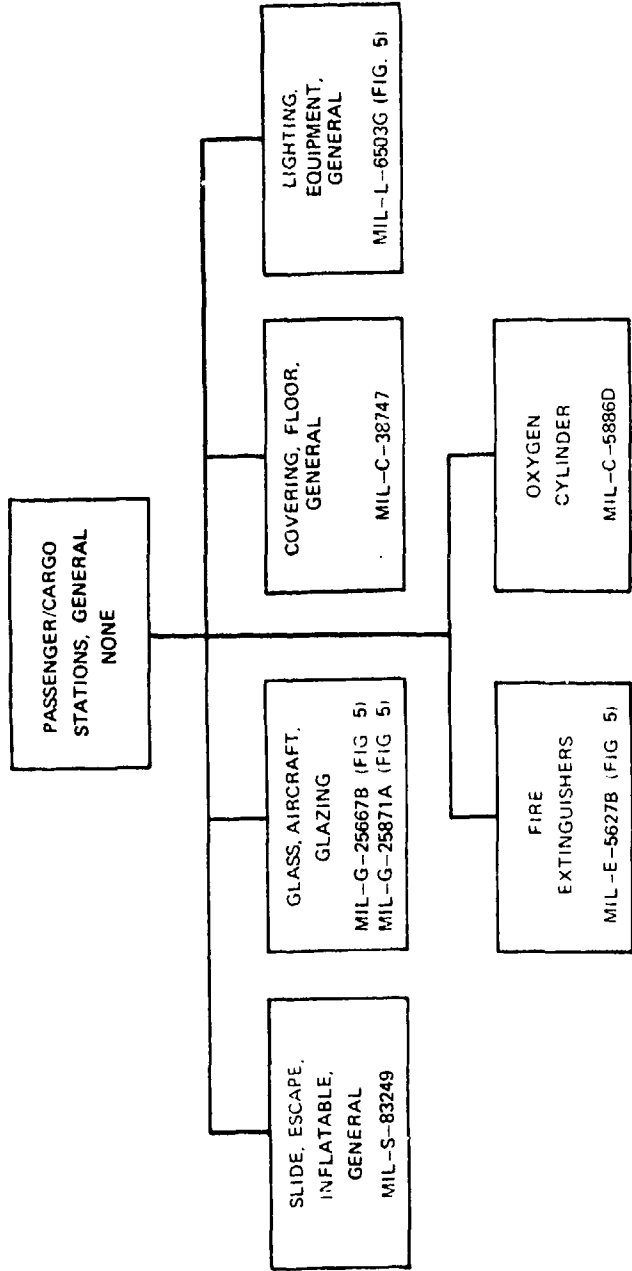
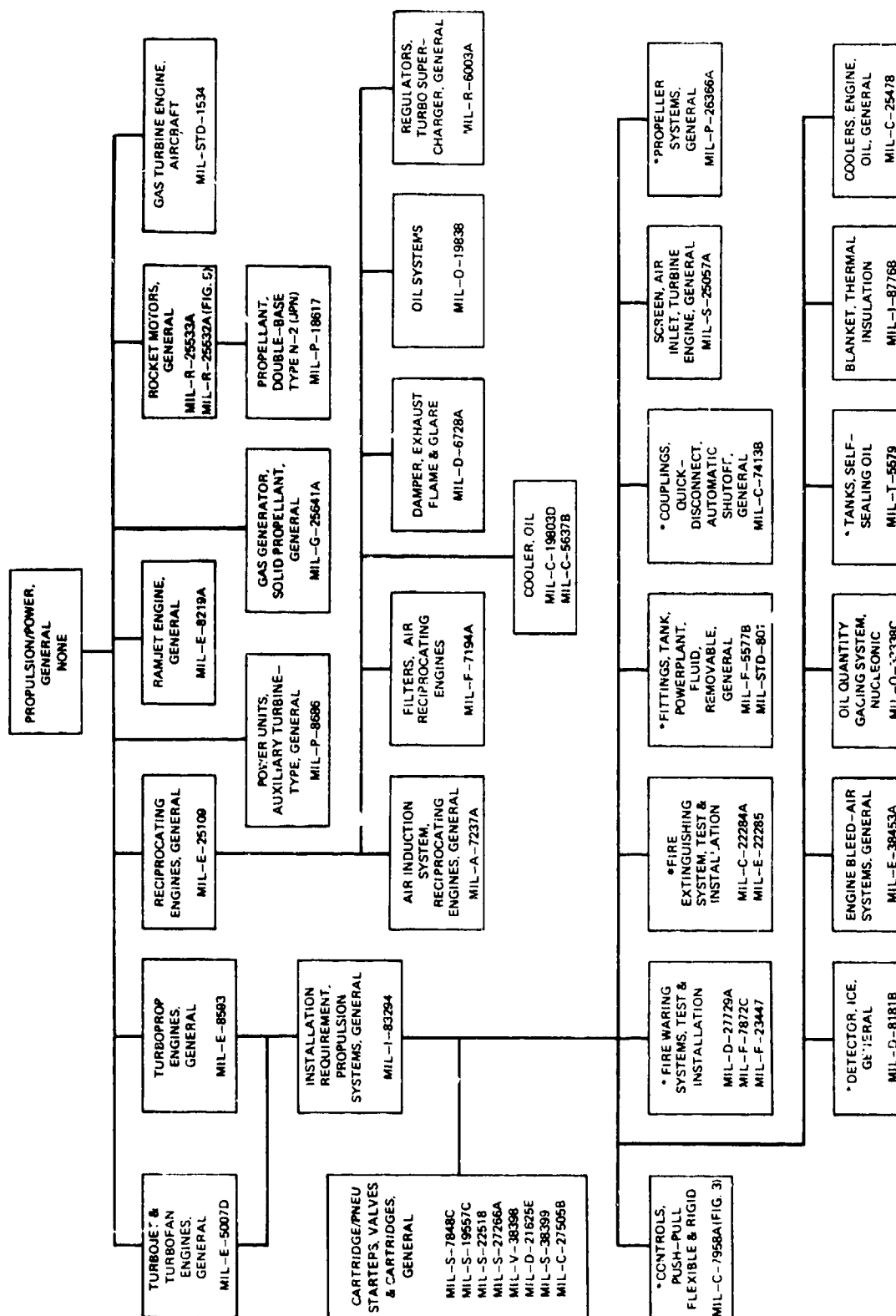


Figure 6. Specification and Standard Relationships for Passenger/Cargo Stations Subsystem.

PASSENGER CARGO STATIONS SUBSYSTEM
(Figure 6)

Assignee	FSC	Preparer	Spec Std	Title
Flight-Essential Category (1) None				
Mission-Essential Category (2) None				
Lower-Tier Category (3)				
82	1680	82	MIL-C-38747	Covering, Floor, Military Aircraft, General Specification for
71	1660	71	MIL-C-5886D	Cylinder, Oxygen, Low Pressure, Nonshatterable
EA	4240	11	MIL-S-83249	Slide, Escape, Aircraft, Inflatable, General Specification for



* ALSO EFFECTIVE ON RECIPROCATING ENGINES

Figure 7. Specification and Standard Relationships for Propulsion/Power Subsystem.

PROPULSION/POWER SUBSYSTEM
(Figure 7)

Assignee	FSC	Preparer	Spec/Std	Title
Flight Essential Category (1)				
82	1680	AS	MIL-C-22284A	Container, Aircraft Fire Extinguishing System, Bromotrifluoromethane, CF 3BR
82	1680	AS	MIL-E-22285 (1)	Extinguishing System, Fire, Aircraft, High-Rate Discharge Type, Installation and Test of
82	2810	AS	MIL-E-25109	Engine, Aircraft, Reciprocating, General Specification for
71	2840	11	MIL-E-5007D	Engine, Aircraft, Turbojet and Turbofan, General Specification for
71	2840	70	MIL-E-8219A	Engine, Ramjet, General Specification for
71	2840	AS	MIL-E-8593(ASG)	Engine, Aircraft, Turboprop, General Specification for
71	2840	11	MIL-I-83294	Installation Requirement, Aircraft Propulsion Systems, General Specification for
84	1610	11	MIL-P-26366A	Propeller Systems, Aircraft, General Specification for
80	1560	AS	MIL-T-5579 (1)	Tank, Self-Sealing Oil, Aircraft
Mission-Essential Category (2)				
71	2945	AV	MIL-A-7237A	Air Induction System, Reciprocating Engine, General Specification for
WR	MISC	11	MIL-E-38453A	Environmental Control, Protection, and Engine Bleed Air System, Aircraft, Missiles, General Specification for
ME	2335	AS	MIL-P-8686(ASG)	Power Units, Aircraft Auxiliary, Gas-Turbine Type, General Specification for

PROPULSION/POWER SUBSYSTEM (Contd.)
(Figure 7)

Assignee	FSC	Preparer	Spec/Std	Title
Lower-Tier Category (3)				
71	1660	AS	MIL-C-19803D	Converter, Liquid Oxygen, 10 Liter, GCU-24/A
71	2935	11	MIL-C-25478 (1)	Cooler, Lubricating Oil, Aircraft Engine Synthetic Oil, General Specification for
MU	1377	70	MIL-C-27505B(USAF)	Cartridge, Engine Starter MXU-4A/A
71	2935	AS	MIL-C-5637B	Cooler, Lubricating Oil, Petroleum Base, Aircraft Engine, Tubular
CS	4730	11	MIL-C-7413B	Couplings, Quick Disconnect, Automatic Shutoff, General Specification for
MU	1377	AS	MIL-D-21625E (1)	Design and Evaluation of Cartridges for Cartridge Actuated Devices
82	6340	11	MIL-D-27729A	Detecting System, Flame-Smoke, Aircraft and Aerospace Vehicles, General Performance of
80	1560	AS	MIL-D-6728A	Damper, Engine Exhaust Flame and Glare
82	6340	11	MIL-D-8181B	Detector, Ice, Air Intake Duct, Aircraft Engines and Airframe Systems, General Specification for
82	6340	AS	MIL-F-23447	Fire Warning Systems, Aircraft: Radiation Sensing Type, Test and Installation of
80	1560	11	MIL-F-5577B	Fittings, Tank, Powerplant Fluid, Removable General Specification
71	2945	MO	MIL-F-7194A	Filter Reciprocating Engine Induction Air, Aircraft
82	6340	AS	MIL-F-7872C	Fire and Overheat Warning Systems, Continuous, Aircraft Test and Installation of
PA	1375	11	MIL-G-25641A	Generator, Gas, Solid Propellant, Aeronautical, General Specification for

PROPULSION/POWER SUBSYSTEM (Contd.)
(Figure 7)

Assignee	FSC	Preparer	Spec/Std	Title
71	2995	11	MIL-I-8776B(USAF)	Insulation Blanket, Thermal, Aerospace
GS	9150	AS	MIL-O-19838 (1)	Oil Systems, Aircraft, Installation and Test of
AS	6680	11	MIL-O-38338C	Oil Quantity Gaging System, Continuous Transistorized Nucleonic, General Specification for
PA	1376	AS	MIL-P-18617	Propellant, Double-Base, Type N-2 (JPN)
70	1336	12	MIL-R-25533A	Rocket Motor, Aeronautical, Model Specification for (Outline and Instructions for Preparation)
71	2950	71	MIL-R-6003A	Regulator, Turbosupercharger, General Specification for
71	2995	AS	MIL-S-19557C	Starter, Aircraft Engine, Air Turbine
71	2995	AS	MIL-S-22518 (1)	Starter and Accessory Drive, Combination, Aircraft Engine, Air Turbine, Specification for
71	2840	11	MIL-S-25057A	Screen System, Air Inlet, Aircraft Turbine Engine, General Specification for
71	2995	11	MIL-S-27266A	Starter, Engine, Cartridge and Pneumatic, Shaft Drive, General Specification for
71	2995	11	MIL-S-38399	Starter, Pneumatic, Aircraft Engine, General Specification for
71	2995	AS	MIL-S-7848C	Starter, Engine, Air Turbine Type, General Specification for
71	2995	11	MIL-V-38398	Valve, Starter Control, Aircraft Engine, General Specification for
71	2840	11	MIL-STD-1534	Engine, Aircraft, Gas Turbine, Technical Design Requirements
AS	4730	11	MIL-STD-801	Acceptance Standards for Powerplant Fluid Tank Fittings

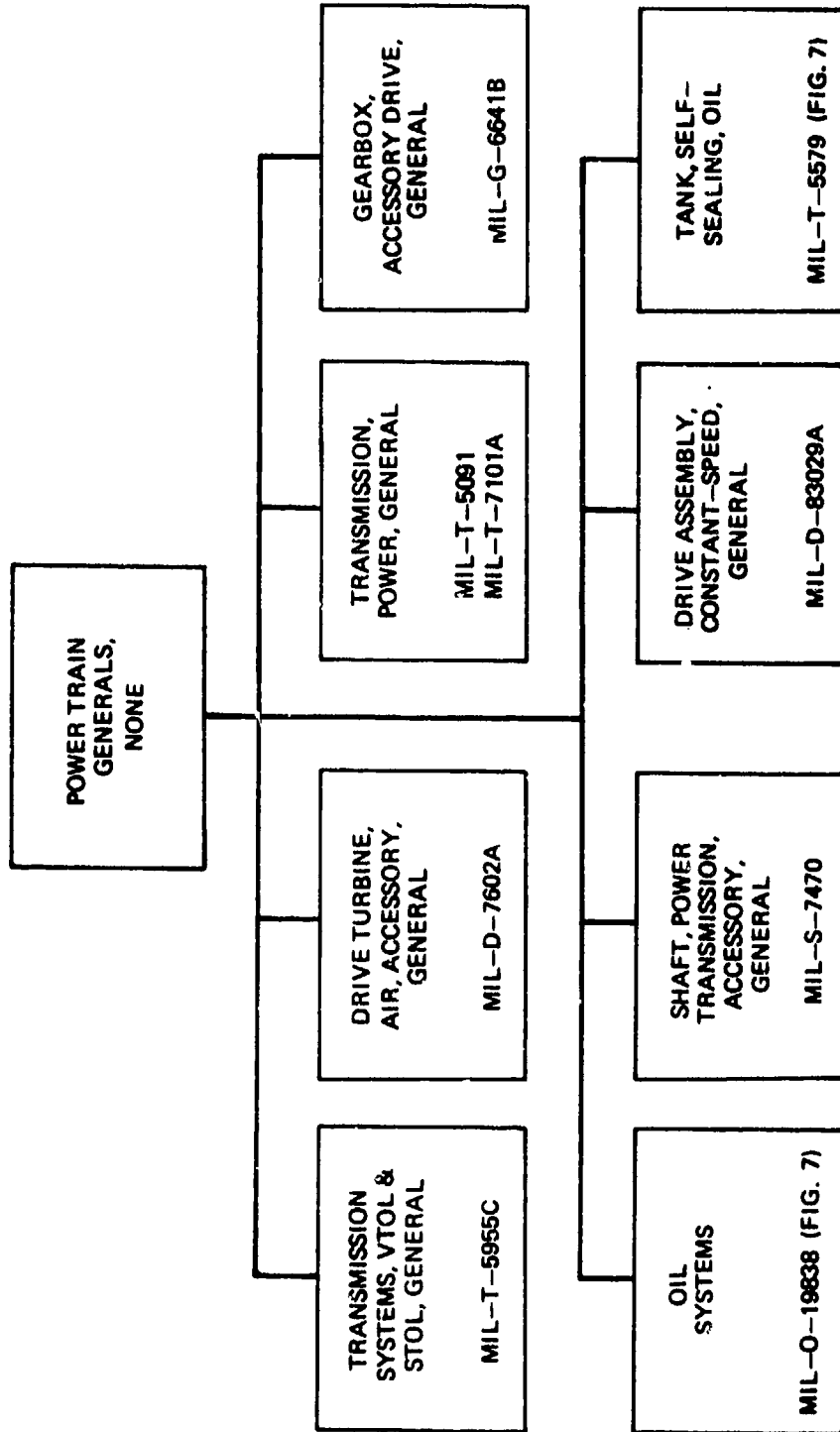


Figure 8. Specification and Standard Relationships for Power Trains Subsystem.

POWER TRAINS SUBSYSTEM
(Figure 8)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
80	1560	11	MIL-G-6641B(ASG)	Gearbox, Aircraft Accessory Drive, General Specification for
82	1680	11	MIL-S-7470	Shaft, Power Transmission, Aircraft Accessory, General Specification for
ME	3040	AS	MIL-T-5091	Transmission, Power, Constant Ratio, General Specification (Aircraft Use)
AV	1615	10	MIL-T-5955C	Transmission System, VTOL-STOL, General Requirements for
ME	3040	AS	MIL-T-7101A	Transmission, Power, Constant Speed, General Specification (Aircraft Use)
Mission-Essential Category (2)				
AS	1650	11	MIL-D-83029A	Drive Assembly, Constant Speed, General Specification for
Lower-Tier Category (3)				
71	1660	11	MIL-D-7602A	Drive, Turbine, Air, Aircraft Accessory, General Specification for

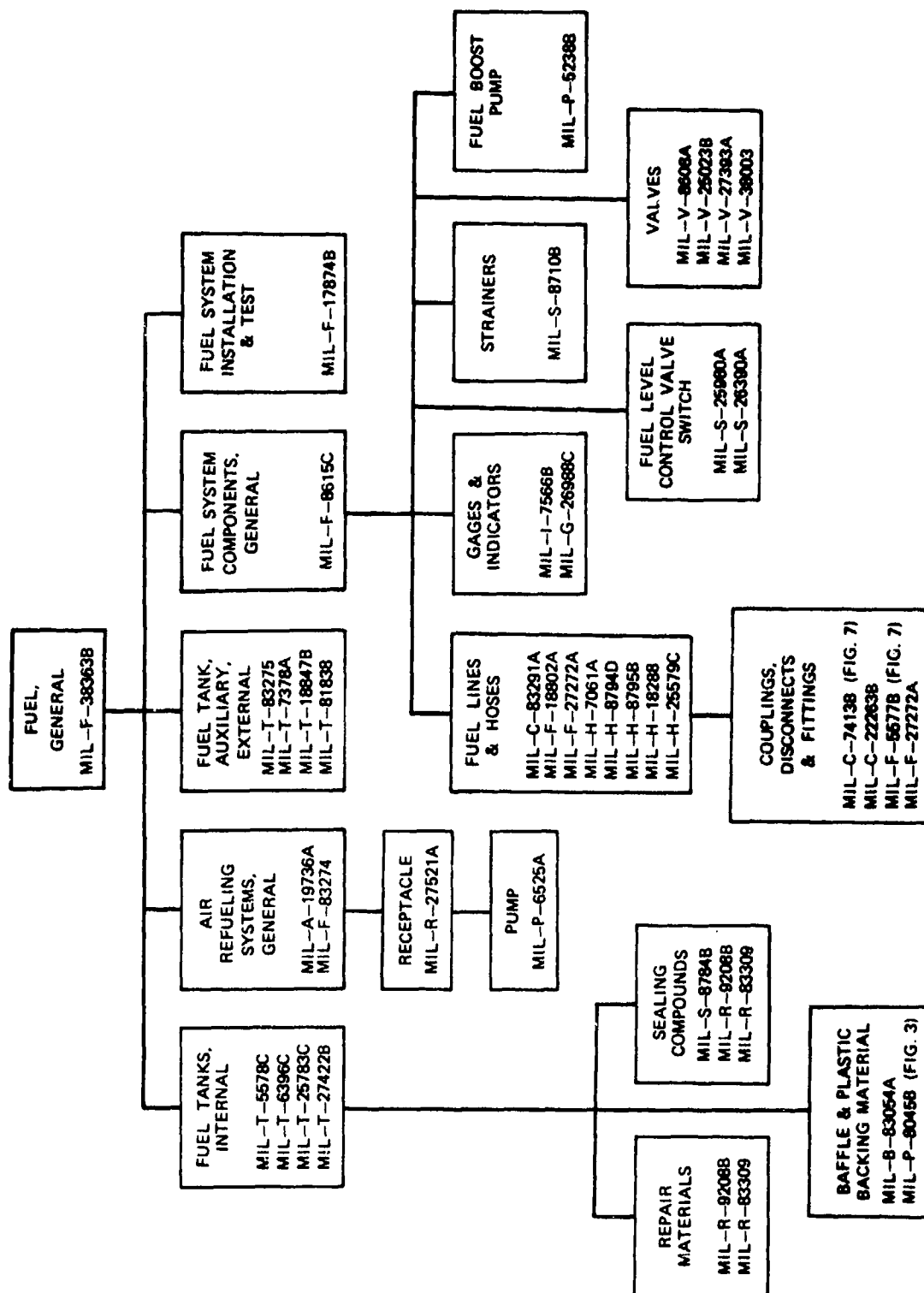


Figure 9. Specification and Standard Relationships for Fuel Subsystem.

FUEL SUBSYSTEM
(Figure 9)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
GS	9330	11	MIL-B-83054A	Baffle Material, Aircraft Fuel Tank
CS	4720	11	MIL-C-83291A(USAF)	Covers, Self-Sealing, Fuel Line, Aircraft
IP	3460	AS	MIL-F-17874B	Fuel Systems, Aircraft, Installation and Test of
82	2915	AS	MIL-F-18802A (1)	Fuel and Oil Lines, Aircraft, Installation of
82	2915	11	MIL-F-8615C(ASG)	Fuel System Components, General Specification for
CS	4720	AS	MIL-H-18288	Hose and Assemblies, Aircraft, Self Sealing, Aromatic Fuel
CS	4720	82	MIL-H-7061A	Hose, Rubber, Aircraft, Self-Sealing, Aromatic Fuel
80	1560	11	MIL-T-25783C	Tank, Fuel, Aircraft and Missile Non-Self-Sealing, High Temperature
80	1560	11	MIL-T-27422B (1)	Tank, Fuel, Crash Resistant, Aircraft
80	1560	11	MIL-T-5578C (2)	Tank, Fuel, Aircraft, Self-Sealing
Mission-Essential Category (2)				
82	1680	AS	MIL-A-19736A (2)	Air Refueling Systems, General Specification for
CS	4720	11	MIL-H-25579C	Hose Assembly, Tetrafluoroethylene, High Temperature Medium Pressure, General Requirements for
CS	4720	82	MIL-H-8794D	Hose, Rubber, Hydraulic, Fuel and Oil Resistant

FUEL SUBSYSTEM (Contd.)
(Figure 9)

Assignee	FSC	Preparer	Spec/Std	Title
CS	4720	82	MIL-H-8795B (1)	Hose Assemblies, Rubber, Hydraulic, Fuel and Oil
81	1680	11	MIL-R-27521A(USAF)	Receptacle, Flying Boom, Aerial Refueling
80	1560	AS	MIL-T-18847B (1)	Tank, Fuel, Aircraft, Auxiliary External, Design and Installation of
80	1640	11	MIL-T-7378A (4)	Tank, Fuel, Aircraft, External, Auxiliary, Removable
80	1560	AS	MIL-T-81838	Tank, Fuel, Aircraft, Auxiliary External 300 Gallon, Type Aero-1D
80	1560	11	MIL-T-6396C	Tank, Fuel, Oil, Water-Alcohol, Coolant Fluid, Aircraft, Non-Self-Sealing, Removable
Lower-Tier Category (3)				
CS	4730	AS	MIL-C-22263B	Couplings Fuel Line, Flexible, 125 psi General Specification for
CS	4730	11	MIL-F-27272A (1)	Fitting, Tetrafluoroethylene Hose, High Temperature, Medium Pressure, General Requirements for
82	2915	11	MIL-F-38363B	Fuel System, Aircraft, General Specification for
ME	4930	84	MIL-F-83274	Fuel Delivery System, Bulk, Airborne, General Requirements for
AS	6680	11	MIL-G-26988C (1)	Gage, Liquid Quantity, Capacitor Type Transistorized, General Specification for

FUEL SUBSYSTEM (Contd.)
(Figure 9)

Assignee	FSC	Preparer	Spec/Std	Title
AS	6680	11	MIL-I-7566B (1)	Indicator System, Fuel Flowmeter, General Specification for
82	2915	11	MIL-P-5238B	Pump, Centrifugal, Fuel Booster, Aircraft, General Specification for
82	2915	11	MIL-P-6525A	Pump, Fuel Transfer, Air-to-Air Refueling, General Specification for
GS	9320	11	MIL-R-83309	Repair Material, Nitrile, Fuel, Bladder, Aircraft
GS	9320	AS	MIL-R-9208B	Repair Material, for Self-Sealing Fuel Tanks
82	2915	82	MIL-S-25980A	Switch, Float, Aircraft Fuel Level, General Specification for
ES	5930	11	MIL-S-26390A(USAF)	Switch Assemblies, Pressure Fuel
I	2915	11	MIL-S-8710B	Strainer, Aircraft Fuel System, General Specification for
MR	8030	84	MIL-S-8784B	Sealing Compound, Low Adhesion, for Removable Panels and Fuel Tank Inspection Plates
ME	4930	11	MIL-T-83275	Tank, Bulk Fuel, Air Delivery
82	2915	11	MIL-V-25023B (2)	Valve, Fuel Drain, Self-Locking
80	1560	11	MIL-V-27393A	Valve, Safety, Fuel Cell Fitting, Crash Resistant, General Specification for
SH	4820	11	MIL-V-38003	Valves, Fuel Level Control, Fuel Tank, Aircraft General Specification for
82	2915	11	MIL-V-8608A (2)	Valves, Fuel Shutoff, Electric Motor Operated

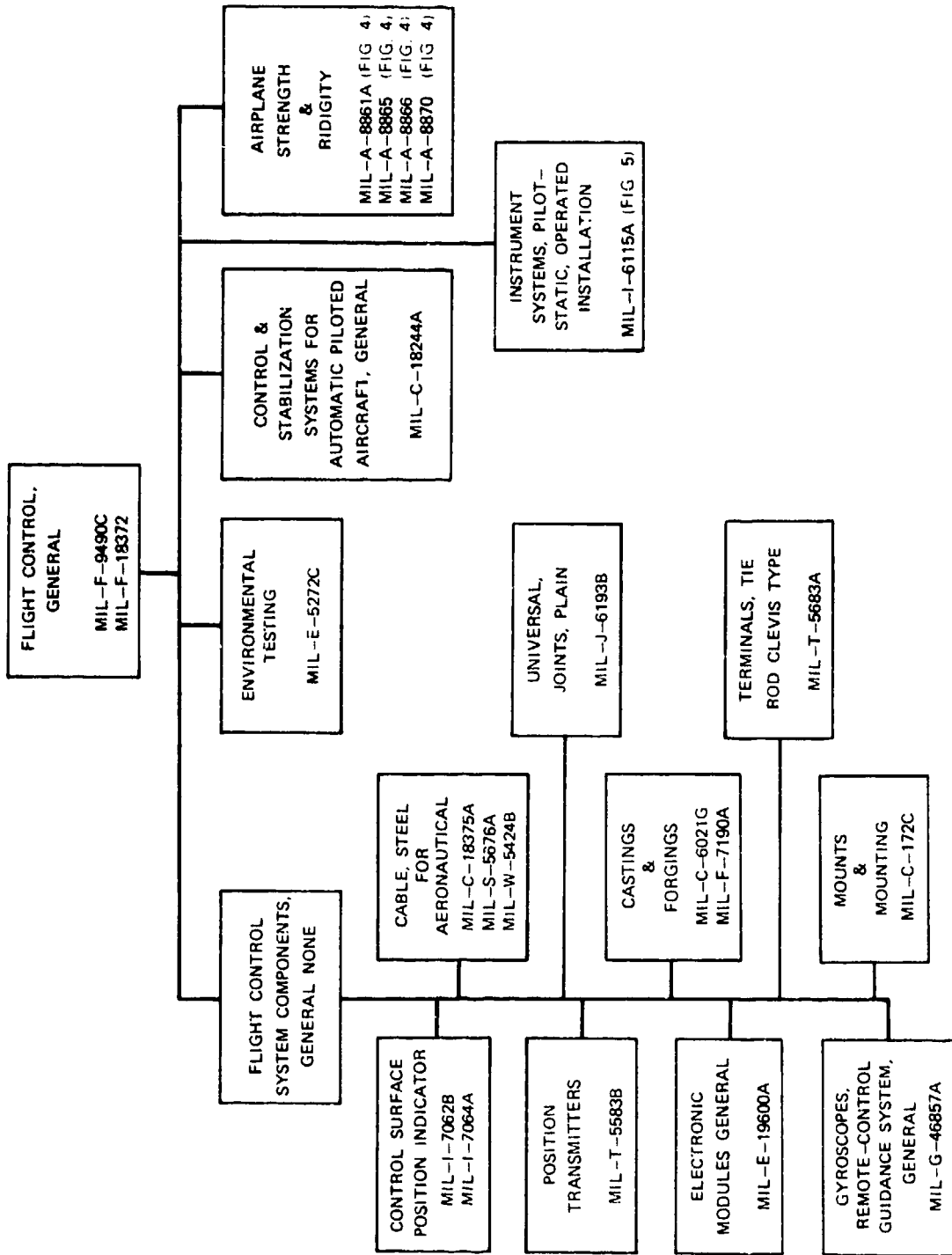


Figure 10. Specification and Standard Relationships for Flight Controls Subsystem.

FLIGHT CONTROLS SUBSYSTEM
(Figure 10)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
11	1500	AS	MIL-F-18372(AER)	Flight Control Systems, Design, Installation and Test of Aircraft General Specification
71	6610	11	MIL-F-9490C (1)	Flight Control Systems-Design, Installation and Test of, Piloted Aircraft, General Specification for
Mission-Essential Category (2)				
WR	MISC	AS	MIL-C-18244A	Control and Stabilization Systems, Automatic Piloted Aircraft, General Specification for
Lower-Tier Category (3)				
GS	5975	11	MIL-C-172C (2)	Cases, Bases, Mounting, and Mounts Vibration (for Use With Electronic Equipment in Aircraft)
IS	6145	AS	MIL-C-18375A(ASG)	Cable, Steel (Corrosion-Resisting)
MR	MECA	AS	MIL-C-6021G	Castings, Classification and Inspection of
EL	6625	11	MIL-E-5272C	Environmental Testing, Aeronautical and Associated Equipment, General Specification for
EC	58GP	AS	MIL-E-19600A	Electronic Modules, Aircraft, General Requirements for

FLIGHT CONTROLS SUBSYSTEM (Contd.)
(Figure 10)

Assignee	FSC	Preparer	Spec/Std	Title
IP	3424	11	MIL-F-7190A (1)	Forgings, Steel, for Aircraft and Special Ordnance Applications
70	1420	MI	MIL-G-46857A	Gyroscope, Remote Control (Command) Guidance Systems. General Specification for
71	6610	11	MIL-I-7062B	Indicator, Position, Control Surfaces, 28 Volt Direct Current. General Specification for
71	6610	71	MIL-I-7064A	Indicator, Position, Elevator Trim Tab
MF	3010	82	MIL-J-6193B	Joints, Universal, Plain, Light and Heavy Duty
GL	5130	84	MIL-S-5676A (1)	Splicing, Cable Terminal, Process for Aircraft
71	6610	71	MIL-T-5583B	Transmitter, Position, 28-Volt Direct Current
ES	5985	AS	MIL-T-5683A	Terminals, Tie Rod, Threaded Clevis Type, Aircraft
IS	4010	82	MIL-W-5424B (1)	Wire Rope, Steel (Corrosion-Resisting) Flexible, Preformed (for Aeronautical Use)

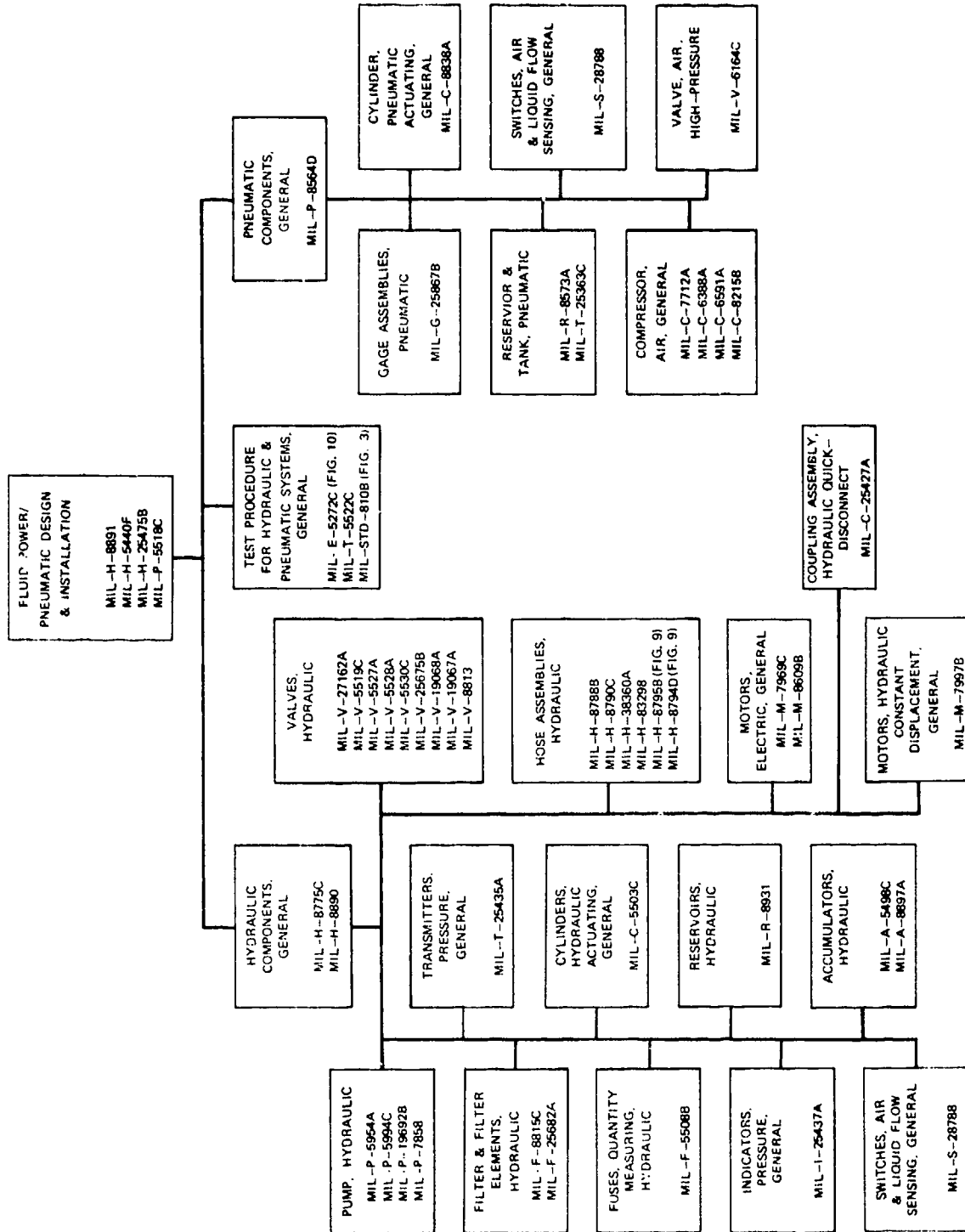


Figure 11. Specification and Standard Relationships for Fluid Power/Pneumatic Subsystem.

FLUID POWER PNEUMATIC SUBSYSTEM
(Figure 11)

Assignee	FSC	Preparer	Spec/Std	Title
AS	1650	AS	MIL-A-5498C(ASG)	Accumulators, Aircraft Hydropneumatic Pressure
AS	1650	AS	MIL-A-8897A	Accumulators, Hydraulic, Cylindrical, 3000 psi, Aircraft Type II Systems
AS	1650	11	MIL-C-5503C (4)	Cylinder, Aeronautical. Hydraulic Actuating, General Requirements for
AS	1650	71	MIL-C-8838A	Cylinder, Pneumatic Actuating, Aircraft Utility System, General Specification for
AS	1650	11	MIL-H-5440F	Hydraulic Systems, Aircraft Types I and II, Design, Installation, and Data Requirements for
AS	1650	AS	MIL-H-8775C	Hydraulic System Components, Aircraft and Missiles, General Specification for
AS	1650	AS	MIL-H-8890	Hydraulic Components, Type III, (-65° to +450°F), General Specification for
AS	1650	AS	MIL-H-8891	Hydraulic Systems, Manned Flight Vehicles, Type III Design, Installation, and Data Requirements for
AS	1650	AS	MIL-P-5518C	Pneumatic Systems, Aircraft, Design, Installation, and Data Requirements for
AS	1650	AS	MIL-P-8564D(ASG)	Pneumatic System Components, Aeronautical, General Specification for
AS	1650	AS	MIL-R-8573A(ASG) (4)	Reservoir, Air, Nonshatterable Steel

FLUID POWER PNEUMATIC SUBSYSTEM (Contd.)
(Figure 11)

Assignee	FSC	Preparer	Spec/Std	Title
AS	1650	11	MIL-R-8931 (1)	Reservoirs, Aircraft and Missile, Hydraulic, Separated Type
AS	1650	71	MIL-T-25363C	Tank Pneumatic Pressure, Aircraft, Glass Fiber
Mission-Essential Category (2)				
AS	1650	11	MIL-C-6388A	Compressor Unit, Air, Aircraft, Shaft Power Driven, General Specification for
AS	1650	11	MIL-C-6591A	Compressor Unit, Aircraft, Electric Motor Driven, General Specification for
AS	1650	11	MIL-C-8215B	Compressor Unit, Aircraft, Hydraulic Motor Driven, General Specification for
CS	4720	11	MIL-H-38360A (2)	Hose Assembly, Tetrafluoroethylene, High Temperature, High Pressure, Hydraulic and Pneumatic
CS	4720	11	MIL-H-83298	Hose, Tetrafluoroethylene, High Temperature, High Pressure (3000 psi), Hydraulic and Pneumatic
CS	4720	82	MIL-H-8788B	Hose, Hydraulic and Pneumatic, High Pressure
CS	4720	82	MIL-H-8790C (1)	Hose Assembly, Rubber, Hydraulic, High Pressure (3000 psi)
AS	1650	AS	MIL-P-19692B	Pump, Hydraulic, Variable Delivery, General Specification for
AS	1650	AS	MIL-P-5954A (1)	Pump Unit, Hydraulic, Electric Motor Driven Fixed Displacement
AS	1650	11	MIL-P-5994C	Pump, Hydraulic, Electric Motor Driven, Variable Delivery, General Specification for
ME	4320	84	MIL-P-7858 (2)	Pump, Hydraulic, Power Driven, Fixed Displacement

FLUID POWER PNEUMATIC SUBSYSTEM (Contd.)
(Figure 11)

Assignee	FSC	Preparer	Spec/Std	Title
Lower-Tier Category (3)				
CS	4730	AS	MIL-C-25427A (1)	Coupling Assembly, Hydraulic, Self-Sealing, Quick Disconnect
ME	2835	AS	MIL-C-7712A	Compressor, Air, Gas Turbine Type, General Specification for
AS	1650	11	MIL-F-25682A (1)	Filter and Filter Element, Fluid Pressure, Hydraulic, Absolute, 25 Micron
AS	1650	71	MIL-F-5508B (1)	Fuses, Aircraft Automatic Quantity-Measuring, Hydraulic
AS	1650	AS	MIL-F-8815C	Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems General Specification for
82	6685	11	MIL-G-25867B (1)	Gage, Pressure, Dial Indicating, Pneumatic
71	1410	11	MIL-H-25475B	Hydraulic System, Missile, Design, Installation Tests and Date Requirements, General Requirements for
82	6685	11	MIL-I-25437A (1)	Indicator, Aircraft, Pressure, Volume, Voltage Ratio Type, General Specification for
SH	6105	AS	MIL-M-7969C	Motor, Alternating Current, 400-Cycle, 115/200-Volt System, Aircraft, General Specification for
AS	1650	AS	MIL-M-7997B	Motors, Aircraft Hydraulic, Constant Displacement, General Specification for
SH	6105	AS	MIL-M-8609B	Motor, Direct Current, 28-Volt System, Aircraft, General Specification for

FLUID POWER PNEUMATIC SUBSYSTEMS (Contd.)
(Figure 11)

Assignee	FSC	Preparer	Spec/Std	Title
ES	5930	EC	MIL-S-28788	Switch, Air and Liquid Flow Sensing, General Specification for
71	6620	11	MIL-T-25435A (1)	Transmitter, Pressure, Aircraft, Variable Reluctance Type, General Specification for
AS	1650	AS	MIL-T-5522C	Test Procedure for Aircraft Hydraulic and Pneumatic Systems, General
AS	1650	AS	MIL-V-19067A	Valve, Aircraft Hydraulic Controllable Check (Type II Systems)
AS	1650	AS	MIL-V-19068A	Valves, Shuttle, Hydraulic Aircraft, Type II Systems
AS	1650	11	MIL-V-25675B (4)	Valves, Check, Miniature, Hydraulic, Aircraft and Missile
71	6615	11	MIL-V-27162A	Valve, Servo Control, Electro-Hydraulic, General Specification for
AS	1650	71	MIL-V-5519C (1)	Valves, Aircraft Hydraulic Unloading
AS	1650	AS	MIL-V-5527A	Valves, Aircraft, Hydraulic Thermal Expansion Relief
AS	1650	AS	MIL-V-5528A	Valves, Hydraulic Controllable Check
AS	1650	71	MIL-V-5530C	Valves, Aircraft Hydraulic Shuttle
AS	1650	71	MIL-V-6164C	Valve, Aircraft, Air, High-Pressure
SH	4820	71	MIL-V-8813	Valve, Aircraft, Hydraulic Pressure Relief, Type II Systems

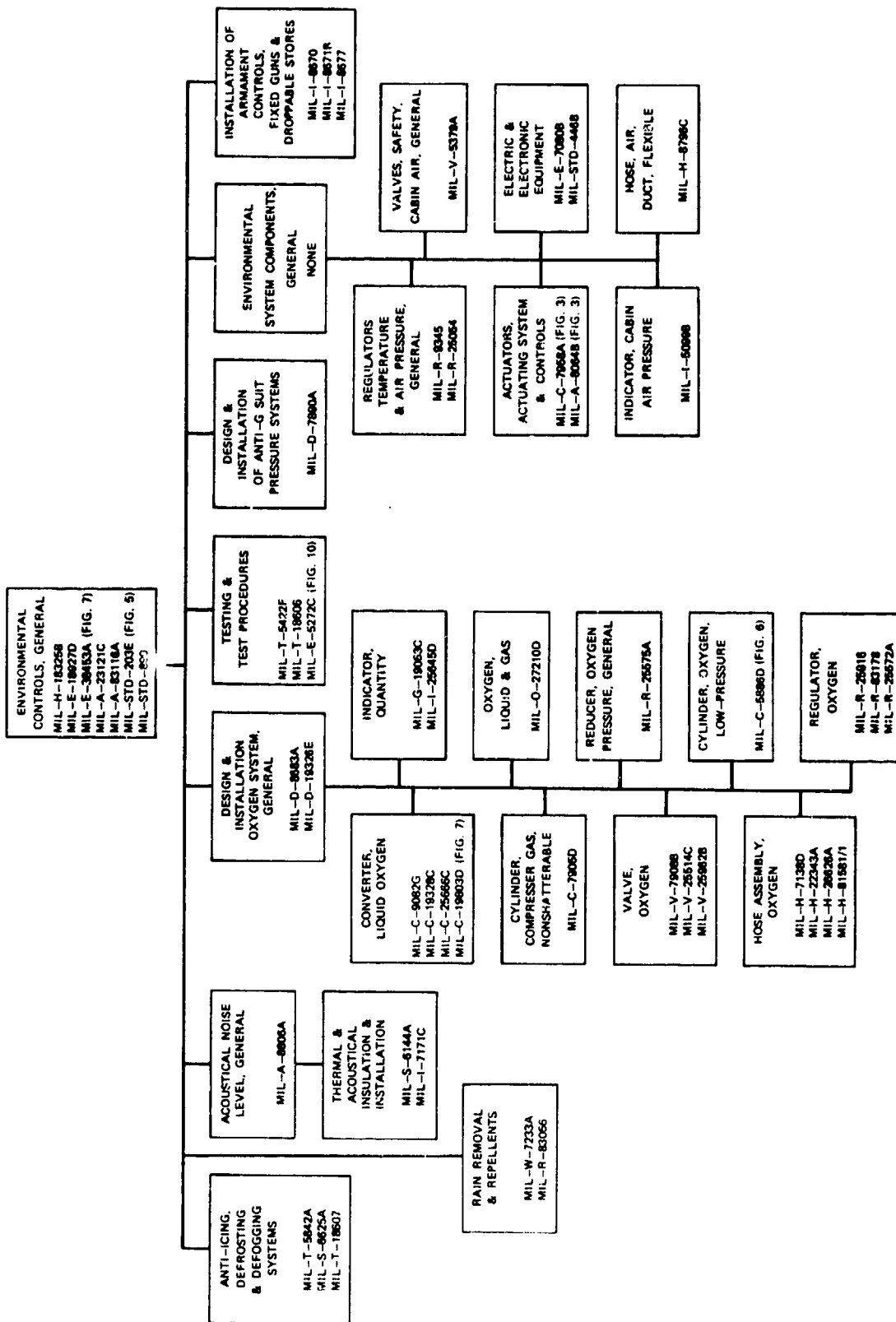


Figure 12. Specification and Standard Relationships for Environmental Control Subsystem.

ENVIRONMENTAL CONTROL SUBSYSTEM
(Figure 12)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1) None				
Mission-Essential Category (2)				
71	1660	11	MIL-A-83116A	Air Conditioning Subsystems, Air Cycle, Aircraft and Missiles, General Specification for
71	1660	AS	MIL-D-19326E	Installation and Tests of Liquid Oxygen Systems in Aircraft, General Specification for
71	1660	AS	MIL-D-8683A	Design and Installation of Gaseous Oxygen Systems in Aircraft General Specification for
WR	MISC	AS	MIL-E-7080B (3)	Electric Equipment, Aircraft, Selection and Installation of
71	1660	AS	MIL-E-18927D (2)	Environmental Systems Pressurized Aircraft, General Requirements for
71	1660	AS	MIL-H-18325B	Heating and Ventilating Systems, Aircraft
WS	1005	AS	MIL-I-8670 (1)	Installation of Fixed Guns and Associated Equipment in Naval Aircraft
WS	MISC	AS	MIL-I-8671B (4)	Installation of Droppable Stores and Associated Release Systems
WR	MSIC	AS	MIL-I-8677 (1)	Installation of Armament Control Systems and Associated Equipment in Naval Aircraft
WR	MISC	11	MIL-STD-890	Environmental Control, Environmental Protection, and Engine Air Bleed Subsystem Analyses
Lower-Tier Category (3)				
82	1680	AS	MIL-A-23121C	Aircraft Environmental, Escape and Survival Cockpit Capsule System, General Specification for
11	1500	AS	MIL-A-8806A (1)	Acoustical Noise Level in Aircraft, General Specification for
71	1660	AS	MIL-C-19328C	Converter, Liquid Oxygen, 5 Liter, MB-5A

ENVIRONMENTAL CONTROL SUBSYSTEM (Contd.)
(Figure 12)

Assignee	FSC	Preparer	Spec/Std	Title
71	1660	11	MIL-C-25666C (2)	Converter, Liquid Oxygen, Capacitance Type Gaging, General Specification for
GS	8120	AS	MIL-C-7905D	Cylinder, Compressed Gas, Non-Shatterable
71	1660	71	MIL-C-9082G	Converter, Oxygen, Aircraft, Liquid to Gaseous, General Specification for
71	1660	11	MIL-D-7890A (2)	Design and Installation of Anti-G Suit Pressure Systems in Jet Propelled Aircraft
71	1660	AS	MIL-G-19053C (1)	Gage, Aircraft, Capacitance, Liquid Oxygen Converter, General Specification for
71	1660	AS	MIL-H-22343A	Hose Assemblies, Metal, Liquid Oxygen
71	1660	71	MIL-H-26626A (2)	Hose Assembly, Tetrafluoroethylene, Oxygen
71	1660	AS	MIL-H-7138D (1)	Hose Assembly, Oxygen Breathing Connector to Regulator
71	1660	AS	MIL-H-81581/1 (1)	Hose Assemblies, Breathing Oxygen and Air, General Specification for
71	1660	AS	MIL-H-8796C	Hose, Air Duct, Flexible, Aircraft
AS	6680	11	MIL-I-25645D (1)	Indicator, Liquid Oxygen Quantity, Capacitance Type, General Specification for
82	6685	AS	MIL-I-5099B	Indicator, Cabin Air Pressure, 1-7/8 Inch Dial, Type MA-1
80	1560	WP	MIL-I-7171C	Insulation Blanket, Thermal-Acoustical
GS	6830	68	MIL-O-27210D (2)	Oxygen, Aviators Breathing, Liquid and Gas
82	1680	11	MIL-R-25054	Regulator, Temperature, Aircraft-Cabin, General Specification for
71	1660	11	MIL-R-25572A	Regulator, Oxygen, Automatic-Pressure-Breathing High Altitude, General Specification for

ENVIRONMENTAL CONTROL SUBSYSTEM (Contd.)
(Figure 12)

Assignee	FSC	Preparer	Spec/Std	Title
71	1660	11	MIL-R-25575A (1)	Reducer, Oxygen Pressure, General Specification for
71	1660	11	MIL-R-25916 (6)	Regulator, Oxygen, Diluter-Demand, Automatic-Pressure-Breathing, General Specification for
GS	6850	11	MIL-R-83056(USAF)	Rain Repellents, In-Flight Applied, Aircraft Windshield
71	1660	11	MIL-R-83178 (2)	Regulator, Oxygen, Diluter-Demand, Automatic-Pressure-Breathing, General Specification for
71	1660	11	MIL-R-9345 (1)	Regulator, Air Pressure, Aircraft Cabin, General Specification for
80	1560	AS	MIL-S-6144A	Sound and Thermal Insulation for Aircraft General Specification for Installation of
GS	6850	AS	MIL-S-6625A	Spray Equipment, Aircraft Windshield, Anti-Icing
71	1660	AS	MIL-T-18606 (1)	Test Procedures for Aircraft Environmental Systems
AS	1650	AS	MIL-T-18607	Thermal Anti-Icing Equipment, Wing and Empennage
NR	MISC	AS	MIL-T-5422F(ASG)	Testing, Environmental, Airborne Electronic and Associated Equipment
AS	1650	11	MIL-T-5842A (1)	Transparent Areas, Anti-Icing, Defrosting, and Defogging Systems, General Specification for
71	1660	71	MIL-V-25514C (1)	Valve, Oxygen Check, For 70-psi Oxygen Converters
71	1660	71	MIL-V-25962B	Valve, Liquid Oxygen Drain
11	1660	17	MIL-V-5379A (1)	Valve, Safety, Cabin Air, General Specification for
71	1660	71	MIL-V-7908B	Valves, Check, Aircraft Low Pressure Oxygen Systems
82	1680	11	MIL-W-7233A	Windshield Wiper System, Electric, Aircraft, General Requirements for
WR	MISC	11	MIL-STD-446B	Environmental Requirements for Electronic Parts

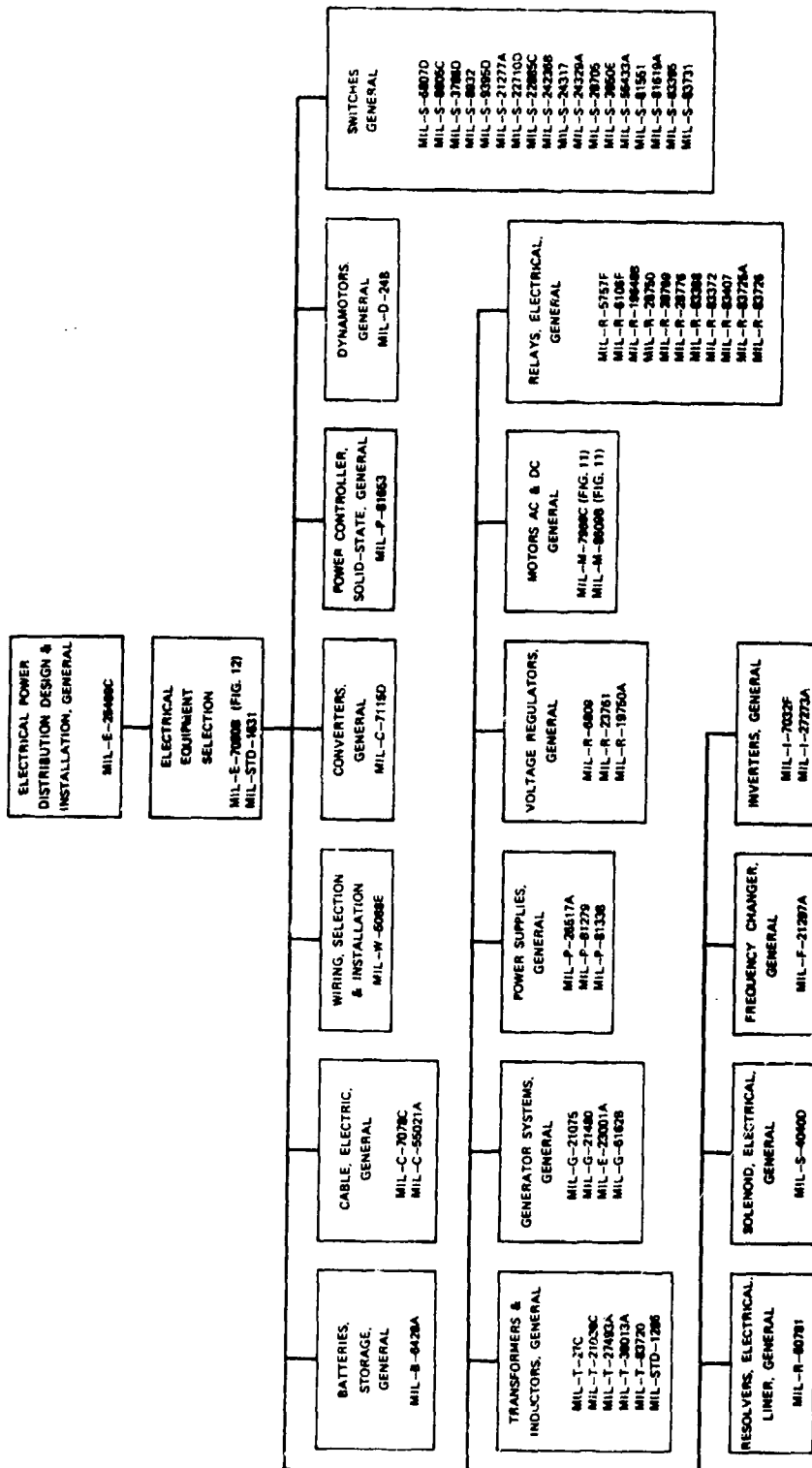


Figure 13. Specification and Standard Relationships for Electrical Power/Distribution Subsystem.

ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM
(Figure 13)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1) None				
Mission-Essential Category (2)				
WR	MISC	11	MIL-E-25499C	Electrical System, Aircraft Design and Installation of, General Specification for
11	1500	AS	MIL-W-5088E (1)	Wiring, Aircraft, Selection and Installation of
ES	59GP	EC	MIL-STD-1631	Procedure for Selection of Electronic and Electrical Parts During Equipment Design
Lower-Tier Category (3)				
AS	6140	82	MIL-B-6428A	Batteries, Storage, Integrally Shielded, Lead-Acid Type, General Specification for
IS	6145	MI	MIL-C-55021A (2)	Cable, Twisted Pairs and Triples, Internal Hookup, General Specification for
IS	6145	AS	MIL-C-7078C	Cable, Electric, Aerospace Vehicle, General Specification for
SH	6130	AS	MIL-C-7115D (1)	Converter, Aircraft, General Specification for
82	6125	EL	MIL-D-24B (2)	Dynamotor, General Specification for
ME	6115	AS	MIL-E-23001A (1)	Electric Generating System, Variable Speed Constant Frequency-Aircraft, General Specification for
82	6125	AS	MIL-F-21297A	Frequency Changers, Electrical, Aircraft, General Specification for
ME	6115	AS	MIL-G-21075 (1)	Generator System, Single Generator, Constant Frequency, Alternating Current, Aircraft, General Specification for
ME	6115	AS	MIL-G-21480A (1)	Generator System, Single Generator, Constant Frequency Alternating Current, Aircraft, Class C, General Specification for

ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.)
(Figure 13)

Assignee	FSC	Preparer	Spec/Std	Title
ME	6115	AS	MIL-G-6162B	Generator, 30 Volt, Direct Current, Aircraft Engine Driven, General Specification for
SH	6130	11	MIL-I-27273A (3)	Inverter, Power, Static, General Specification for
82	6125	AS	MIL-I-7032F(ASG) (1)	Inverter, Aircraft, General Specification for
SH	6130	11	MIL-P-26517A (5)	Power Supply, Transformer-Rectifier, Aircraft, General Specification for
SH	6110	AS	MIL-P-81279	Power Supply, Miniature, General Specification for
SH	6130	AS	MIL-P-81338	Power Supply, Transistorized, Direct Current, Regulated, General Specification
SH	6110	AS	MIL-P-81653	Power Controller, Solid State, General Specification for
ES	5945	EC	MIL-R-19648B (2)	Relay, Time Delay, Thermal, General Specification for
82	2925	AS	MIL-R-19750A	Regulator, Voltage, 28V, 120°C, for 30V Direct Current Generator, General Specification for
SH	6110	AS	MIL-R-23761	Regulator, Voltage, Static, 28V Direct Current Generator, General Specification for
ES	5945	EC	MIL-R-28750	Relay, Solid State, Specification for
ES	5945	EC	MIL-R-28769	Relay, Electrical, Photosensitive, (for Control and Communication Type Equipment), General Specification for
ES	5945	EC	MIL-R-28776	Relay, Hybrid, General Specification for
AS	5990	MU	MIL-R-50781	Resolver, Electrical, Linear, General Specification for
ES	5945	EC	MIL-R-5757F (4)	Relay, Electrical (for Electronic and Communication Type Equipment) General Specification for
ES	5945	80	MIL-R-6106F (1)	Relay, Electric, Aerospace, General Specification for

ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.)
(Figure 13)

Assignee	FSC	Preparer	Spec/Std	Title
82	2925	AS	MIL-R-6809	Regulator, Voltage, 30-Volt, Direct Current Generator, General Specification for
ES	5945	11	MIL-R-83368 (1)	Relay, Electromagnetic, Emi Suppressed, General Specification for
ES	5945	11	MIL-R-83372	Relay, Electromagnetic, Hybrid, Emi Suppressed, General Specification for
ES	5945	11	MIL-R-83407	Relay, Reed (Mercury Wetted) General Specification for
ES	5945	80	MIL-R-83725A	Relay, Vacuum, General Specification for
ES	5945	80	MIL-R-83726	Relay, Time Delay, Electric and Electronic, General Specification for
AS	6680	AS	MIL-S-21277A	Switch, Liquid Level, General Specification for
ES	5930	EC	MIL-S-22710D	Switch, Rotary (Printed Circuit), (Thumbwheel, Inline, and Pushbutton), General Specification for
ES	5930	EC	MIL-S-22885C	Switch, Push Button, Illuminated, General Specification for
ES	5930	EC	MIL-S-24236B	Switch, Thermostatic, (Metallic and Bimetallic) General Specification for
ES	5930	EC	MIL-S-24317	Switch, Multistation, Pushbutton, (Illuminated and Non-Illuminated), General Specification for
ES	5930	EC	MIL-S-24329A	Switch, Stepping, Rotary, General Specification for
ES	5930	EC	MIL-S-28705 (1)	Switch, Leaf Spring (Pile-Up Contacts) (Lever, Push, Turn (Illuminated), General Specification for
ES	5930	80	MIL-S-3786D	Switch, Rotary (Circuit Selector, Low-Current Capacity), General Specification for
ES	5930	80	MIL-S-3950E (1)	Switch, Toggle, General Specification for

ELECTRICAL POWER/DISTRIBUTION SUBSYSTEM (Contd.)
(Figure 13)

Assignee	FSC	Preparer	Spec/Std	Title
ES	5945	80	MIL-S-4040D (1)	Solenoid, Electrical, General Specification for
ES	5930	EL	MIL-S-55433A (2)	Switch Capsules, Dry Reed Type, General Specification for
ES	5930	80	MIL-S-6807D	Switch, Rotary, Selector Power, General Specification for
ES	5930	AS	MIL-S-81551	Switch, Toggle, Hermetically Sealed, General Specification for
ES	5930	AS	MIL-S-81619A	Switch, Solid State Transducer, General Specification for
ES	5930	11	MIL-S-83395	Switch, Integral, Proximity, Sealed, General Specification for
ES	5930	80	MIL-S-83731	Switch, Toggle, Unsealed and Sealed Toggle, General Specification for
ES	5930	EC	MIL-S-8805C (2)	Switches and Switch Assemblies, Sensitive and Push, Snap Action, General Specification for
AS	1650	AS	MIL-S-8932	Switch, Pressure, Aircraft, General Specification for
ES	5930	80	MIL-S-9395D	Switch, Pressure (Absolute Gauge and Differential) General Specification for
ES	5950	EC	MIL-T-21038C (2)	Transformer, Pulse, Low Power, General Specification for
ES	5950	EL	MIL-T-27C (1)	Transformer and Inductor (Audio, Power, and High Power Pulse) General Specification for
ES	5950	11	MIL-T-27493A	Transformer, Variable, Single Phase 400 Cycles, General Specification for
ES	5950	EL	MIL-T-39013A	Transformers and Inductors (Audio and Power) Established Reliability, General Specification for
ES	5950	80	MIL-T-83720 (1)	Transformer and Inductors, Non-Explosive, General Specification for
ES	5950	EL	MIL-STD-1286	Transformer, Inductors, and Coils Selection and Use of

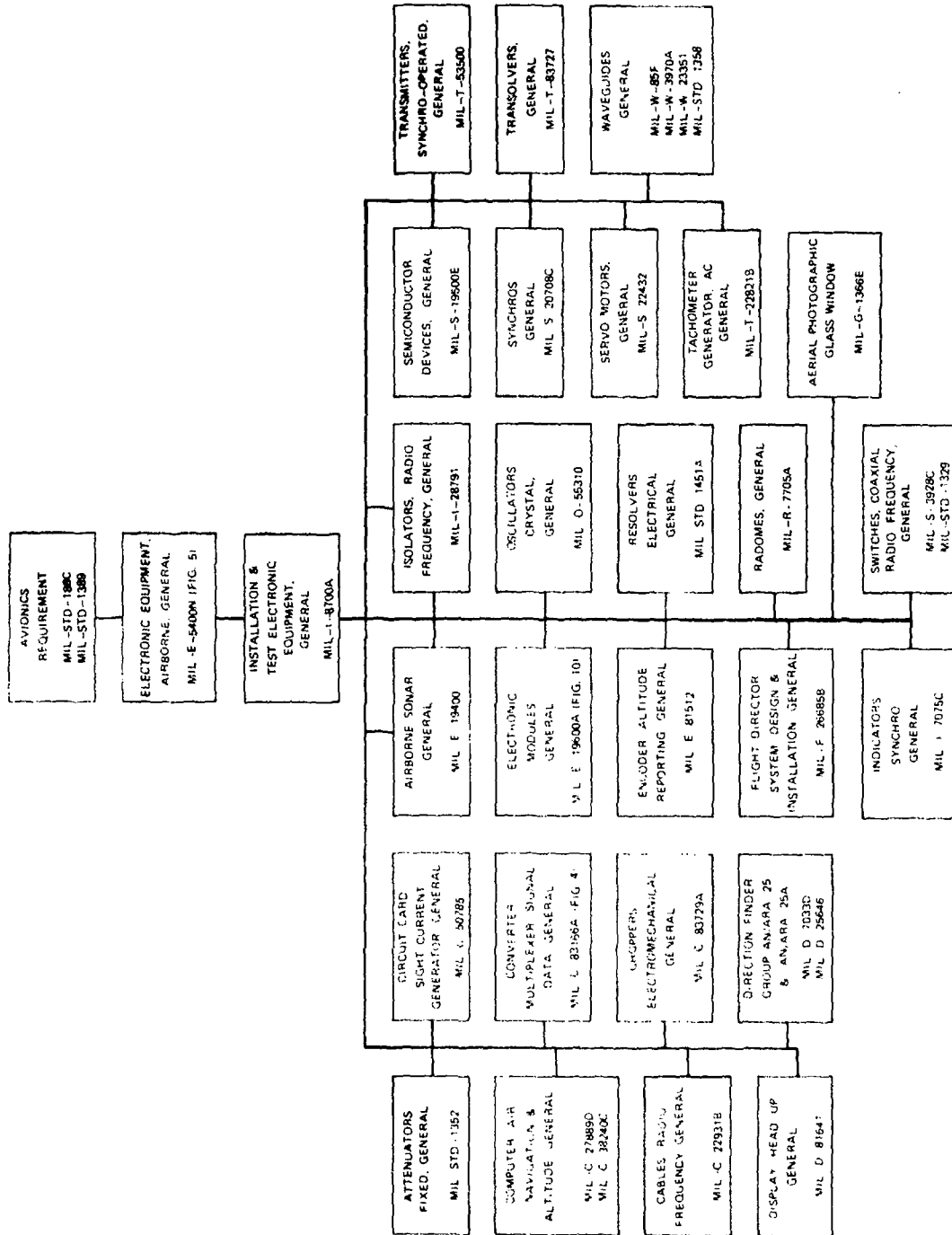


Figure 14. Specification and Standard Relationships for Avionics Subsystem.

AVIONICS SUBSYSTEM
(Figure 14)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1) None				
Mission-Essential Category (2)				
WR	MISC	AS	MIL-I-8700A	Installation and Test of Electronic Equipment in Aircraft. General Specification for
WR	MISC	EC	MIL-STD-1389	Design Requirements for Standard Hardware Program, Electronic Modules
WR	MISC	EL	MIL-STD-188C	Military Communication System Technical Standards
Lower-Tier Category (3)				
IS	6145	EC	MIL-C-22931B	Cable, Radio Frequency, Semirigid, Coaxial, Semi-Air-Dielectric, General Specification for
71	6610	11	MIL-C-27889D	Computer, Transducer, Altitude, Altitude Encoding CPU-46A. General Specification for
71	6610	11	MIL-C-38240C	Computer, Altitude, Altitude Encoding CPU-66, General Specification for and MTU-39/A Mounting Tray
MU	1285	MU	MIL-C-50785	Circuit Card Assembly, Sight Current Generator, General Specification for
ES	5945	80	MIL-C-83729A	Chopper, Electromechanical, General Specification for
84	5826	11	MIL-D-25646	Direction Finder Group AN/ARA-25, Installation of
84	5826	AS	MIL-D-7033D (1)	Direction Finder Group AN/ARA-25 and AN/ARA-25A
71	6610	AS	MIL-D-81641	Display, Head Up, General Specification for
SH	5845	AS	MIL-E-19400 (1)	Electronic Equipment, Airborne Sonar, General Specification for
FL	7440	AS	MIL-E-81512	Encoder, Shaft Position to Digital, Contact Type, Altitude Reporting, General Specification for

AVIONICS SUBSYSTEM (Contd.)
(Figure 14)

Assignee	FSC	Preparer	Spec/Std	Title
SH	6605	11	MIL-F-26685B	Flight Director System, Design and Installation of
GS	9340	84	MIL-G-1366F	Glass Window, Aerial Photographic
ES	5985	EC	MIL-I-28791	Isolator, Radio Frequency, General Specification for
71	6620	11	MIL-I-7057C (1)	Indicator, Syncro, Aircraft, General Specification for
EL	5955	EL	MIL-O-55310	Oscillator, Crystal, General Specification for
80	5840	11	MIL-R-7705A	Radome, General Specification for
ES	5961	EC	MIL-S-19500E (4)	Semiconductor Device, General Specification for
AS	5990	AS	MIL-S-20708C (2)	Syncro, General Specification for
SH	6105	AS	MIL-S-22432	Servomotor, General Specification
ES	5985	EC	MIL-S-3928C	Switch, (Coaxial), Radio Frequency Transmission Line, General Specification for
AS	6680	AS	MIL-T-22821B	Tachometer-Generator, AC, General Specification for
71	6620	11	MIL-T-5350D (1)	Transmitter, Syncro Operated, Aircraft, General Specification for
AS	5990	80	MIL-T-83727 (1)	Transolver, General Specification for
ES	5985	EC	MIL-W-23351	Waveguides, Single and Double Ridged (Bandwidth Ratios 3.6:1 and 2.4:1) General Specification for
ES	5985	EC	MIL-W-3970A	Waveguide Assemblies, Rigid, General Specification for
ES	5985	EC	MIL-W-85F	Waveguide, Rigid, Rectangular, General Specification for
ES	5985	EC	MIL-STD-1329	Switch, RF Coaxial, Selection of
ES	5985	EC	MIL-STD-1352	Attenuator, Fixed, Selection of
ES	5985	EC	MIL-STD-1358	Waveguides, Rectangular, Ridged and Circular, Selection of
AS	5990	MU	MIL-STD-1 A	Resolver, Electrical, Selection of

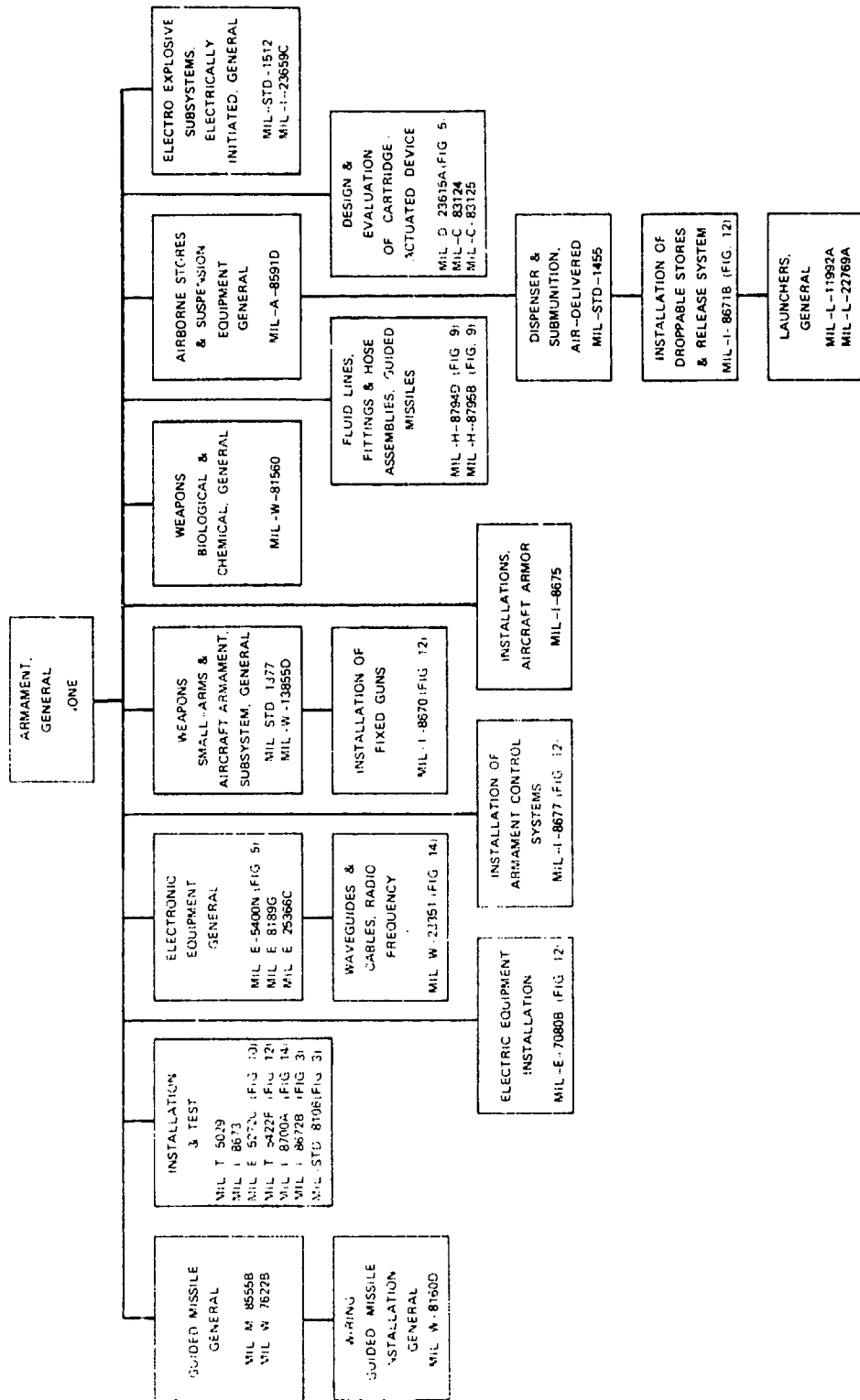


Figure 15. Specification and Standard Relationships for Armament Subsystem.

ARMAMENT SUBSYSTEM
(Figure 15)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
GS	9340	AS	MIL-I-8675	Installation, Aircraft Armor
Mission-Essential Category (2)				
11	1500	AS	MIL-A-8591D (1)	Airborne Stores and Associated Suspension Equipment, General Design Criteria for
MU	1377	AS	MIL-I-23659C	Initiator, Electric, Design and Evaluation of
WC	1005	WC	MIL-W-13855D	Weapon, Small Arms and Aircraft Armament Subsystems, General Specification for
EA	13GP	AS	MIL-W-81560	Weapon, Biological and Chemical, General Specification for
WR	MISC	11	MIL-STD-1512	Electroexplosive Subsystems, Electrically Initiated, Design Requirements and Test Methods
Lower-Tier Category (3)				
MU	1377	MU	MIL-C-83124	Cartridge Actuated Devices/Propellant Actuated Devices, General Design Specification for
MU	1377	MU	MIL-C-83125	Cartridge for Cartridge/Propellant Actuated Devices, General Design Specification for
70	1420	11	MIL-E-25366C	Electric and Electronic Equipment and System, Guided Missile, Installation of, General Specification

ARMAMENT SUBSYSTEM (Contd.)
(Figure 15)

Assignee	FSC	Preparer	Spec/Std	Title
WR	MISC	AS	MIL-E-8189G	Electronic Equipment, Missiles, Boosters and Allied Vehicles, General Specification for
84	1270	AS	MIL-I-8673	Installation and Test of Aircraft Flexible Weapons Systems
70	1440	MI	MIL-L-11992B	Launcher for Guided Missiles, Ground and Airborne, General Specifications for
WR	MISC	AS	MIL-L-22769A	Launcher, Weapons, Airborne and Associated Equipment, General Specification for
70	1410	AS	MIL-M-8555B	Missile, Guided, Design and Construction, General Specification for
OS	4925	18	MIL-T-5029	Tests: Aircraft Armament Installations and Accessories, Standard Minimum Proof
70	14GP	AS	MIL-W-7622B	Weapon Systems, Guided Missiles, General Specification for
70	1420	11	MIL-W-8160D (1)	Wiring, Guided Missile, Installation of, General Specification for
WR	MISC	OS	MIL-STD-1377	Effectiveness of Cable, Connector, and Weapon Enclosure Shielding and Filters in Precluding Hazards of Electromagnetic Radiation to Ordnance, Measurements of
PA	UOJK	MU	MIL-STD-1455	Dispenser and Sub-Munition, Air Delivered, Safety Design and Safety Qualification

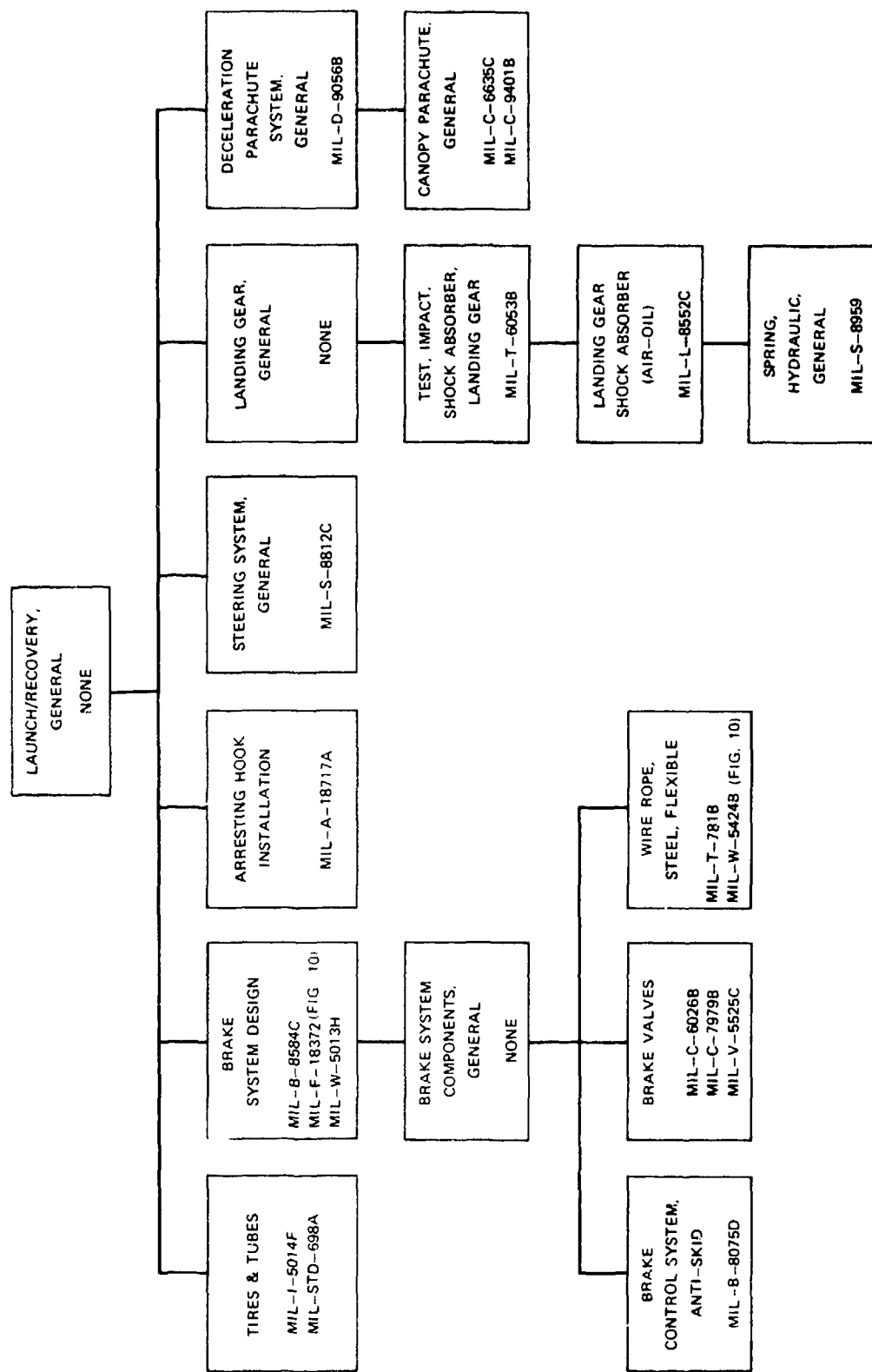


Figure 16. Specification and Standard Relationships for Launch/Recovery Subsystem.

LAUNCH/RECOVERY SUBSYSTEM
(Figure 16)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1) None				
Mission-Essential Category (2)				
AS	1710	AS	MIL-A-18717A(WP)	Arresting Hook Installations, Aircraft
70	1630	11	MIL-B-8584C	Brake Systems, Wheel, Aircraft, Design of
70	1620	11	MIL-S-8812C	Steering System, Aircraft General Requirements for
Lower-Tier Category (3)				
70	1630	11	MIL-B-8075D	Brake Control Systems, Antiskid, Aircraft Wheels, Instructions for Preparation of, Specification for
70	1630	AS	MIL-C-6026B	Control Unit, Pressure Generating Manually Operated, Aircraft Hydraulic Brake System
82	1670	11	MIL-C-6635C (1)	Canopy, Parachute, Ribbon, General Specification for Construction of
70	1630	AS	MIL-C-7979B	Cylinders, Hydraulic Brake, Master, Power Assisted
82	1670	11	MIL-C-9401B	Canopy, Parachute, Ring Slot, General Specification for Construction of
82	1670	11	MIL-D-9056B	Deceleration Parachute Systems, Aircraft, General Requirements for
70	2620	70	MIL-I-5014F (1)	Inner Tube, Pneumatic Tire, Aircraft
70	1620	11	MIL-L-8552C (2)	Landing Gear, Aircraft Shock Absorber (Air-Oil Type)
70	1620	11	MIL-S-8959	Spring, Hydraulic, General Specification for
82	4920	11	MIL-T-6053B(USAF)	Tests, Impact, Shock Absorber Landing Gear, Aircraft
IS	4030	69	MIL-T-781B (1)	Terminal, Wire Rope Swaging
70	1630	AS	MIL-V-5525C (1)	Valves, Aircraft Power Brake
70	1630	11	MIL-W-5013H (1)	Wheel and Brake Assemblies, Aircraft
70	2620	AV	MIL-STD-698A	Quality Standards for Aircraft Pneumatic Tires and Inner Tubes

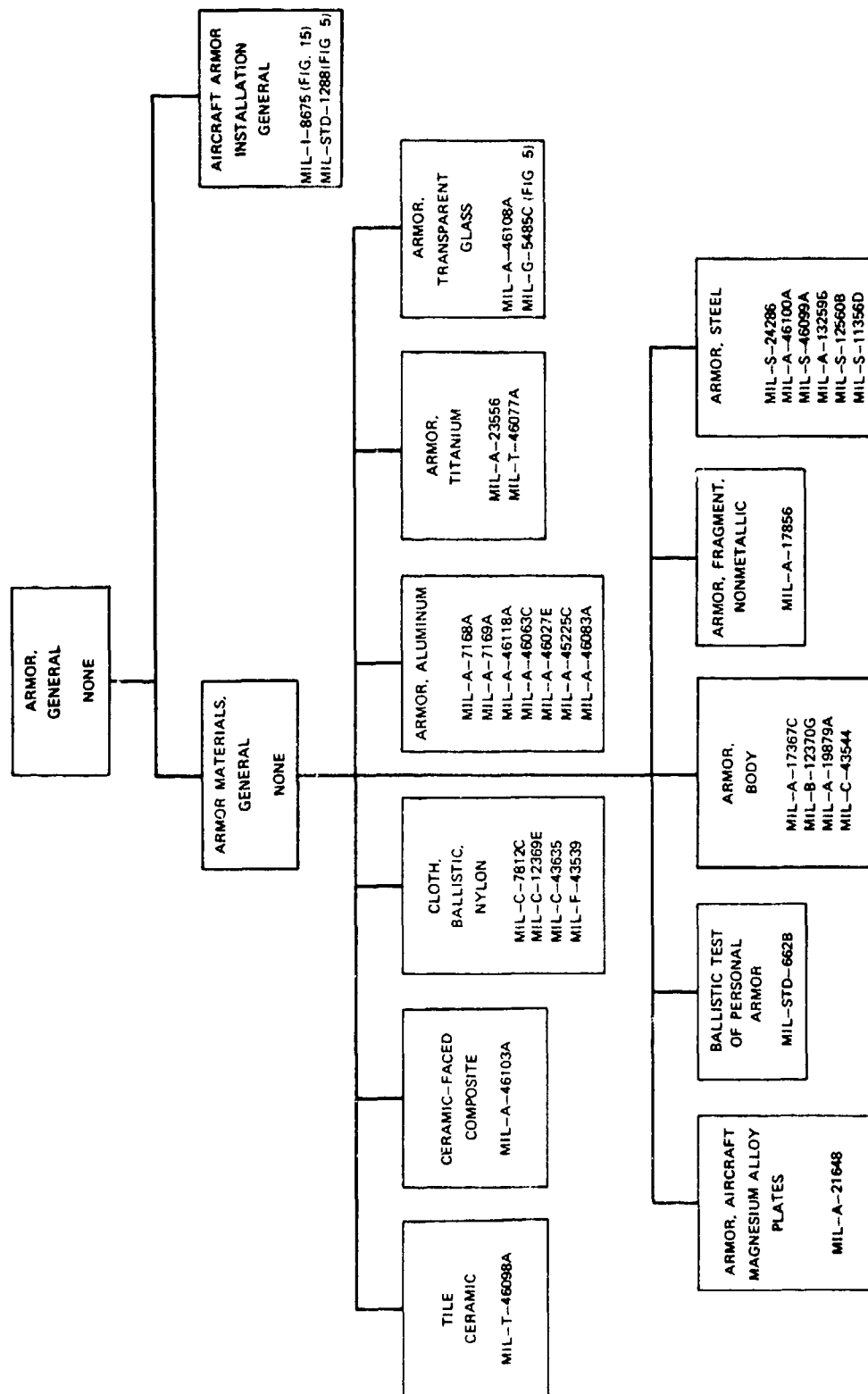


Figure 17. Specification and Standard Relationships for Armor Subsystem.

ARMOR SUBSYSTEM
(Figure 17)

Assignee	FSC	Preparer	Spec/Std	Title
Flight-Essential Category (1)				
DP	8470	MC	MIL-A-17367C (1)	Armor, Body, Fragmentation Protective, Upper Torso, (With Collar, M-1955)
DP	8470	GL	MIL-B-12370G	Body, Armor, Fragmentation Protective Vest With 3/4 Collar, M-69
Mission-Essential Category (2) None				
Lower-Tier Category (3)				
IS	9515	MR	MIL-A-13259B	Armor, Steel, Sheet, Strip and Fabricated Forms, Rolled, For Helmets and Personal Armor
...	...	...	MIL-A-17856	Armor, Fragment, Non-Metallic
DP	8470	MC	MIL-A-19879A(MC)	Armor, Body, Fragmentation Protective: Lower Torso
...	...	...	MIL-A-21648	Armor, Aircraft, Magnesium Alloy Plates
...	9515	...	MIL-A-23556	Armor, Aircraft, Titanium Alloy, Plates
SH	FORG	MR	MIL-A-45225C(MR)	Aluminum Alloy Armor, Forged
IS	9535	MR	MIL-A-46027E(MR)	Armor Plate, Aluminum Alloy, Weldable 5083 and 5456
ES	9535	MR	MIL-A-46063C	Aluminum Alloy Armor Plate, Heat-Treatable, Weldable
SH	FORG	MR	MIL-A-46083A	Aluminum Alloy Armor, Extruded, Weldable
IS	9515	MR	MIL-A-46100A (1)	Armor Plate, Steel, Wrought, High-Hardness
WR	9390	MR	MIL-A-46103A	Armor, Lightweight, Ceramic-Faced Composite, Procedure Requirements

ARMOR SUBSYSTEM (Contd.)
(Figure 17)

Assignee	FSC	Preparer	Spec/Std	Title
GS	9340	MR	MIL-A-46108A	Armor, Transparent, Laminated Glass-Faced Plastic Composite
IS	9535	MR	MIL-A-46118A	Aluminum Alloy Armor, 2219, Rolled Plate and Die Forged Shapes
...	...	...	MIL-A-7168A	Armor, Aircraft, Aluminum-Alloy-Plates Deflector
...	...	...	MIL-A-7169A	Armor, Aircraft, Aluminum-Alloy-Plates, Protector
DP	8305	GL	MIL-C-12369E (1)	Cloth Ballistic, Nylon
DP	8470	GL	MIL-C-43544 (GL)	Carrier, Body Armor, Aircrewman, Small Arms Protective
DP	8305	GL	MIL-C-43635	Cloth, Felt: Ballistic Nylon, Lightweight
DP	8305	AS	MIL-C-7812C	Cloth, Nylon, Ballistic
DP	8305	GL	MIL-F-43539(GL)	Felt, Ballistic, Nylon
IS	9515	MR	MIL-S-11356D (1)	Steel Armor, Cast, Homogeneous, Combat-Vehicle Type (1/4 to 12 Inches, Inclusive)
IS	9515	MR	MIL-S-12560B (1)	Steel Armor, Plate, Wrought, Homogeneous, Combat-Vehicle Type (1/4 to 6 Inches, Inclusive)
IS	9515	SH	MIL-S-24286 (2)	Steel Armor Plate, Wrought, High-Hardness
IS	9515	MR	MIL-S-46099A	Steel Armor Plate, Roll-Bonded, Dual Hardness
ES	9535	MR	MIL-T-46077A	Titanium Alloy Armor Plate, Weldable
GS	9350	MR	MIL-T-46098A	Tile, Ceramic, Alumina, High Strength
DP	8470	MR	MIL-STD-662B	Ballistic Acceptance Test Method for Personal Armor Material

DEFICIENCIES

DOCUMENT NUMBER	DATE	SUBSYSTEM	SERVICE	CLASS	PREP	FSC	SCOPE	REF	ROMT	QA	DEF
AMENDMENT/SUPPLEMENTS	DATE										
TITLE											
PROVISIONS CITED											

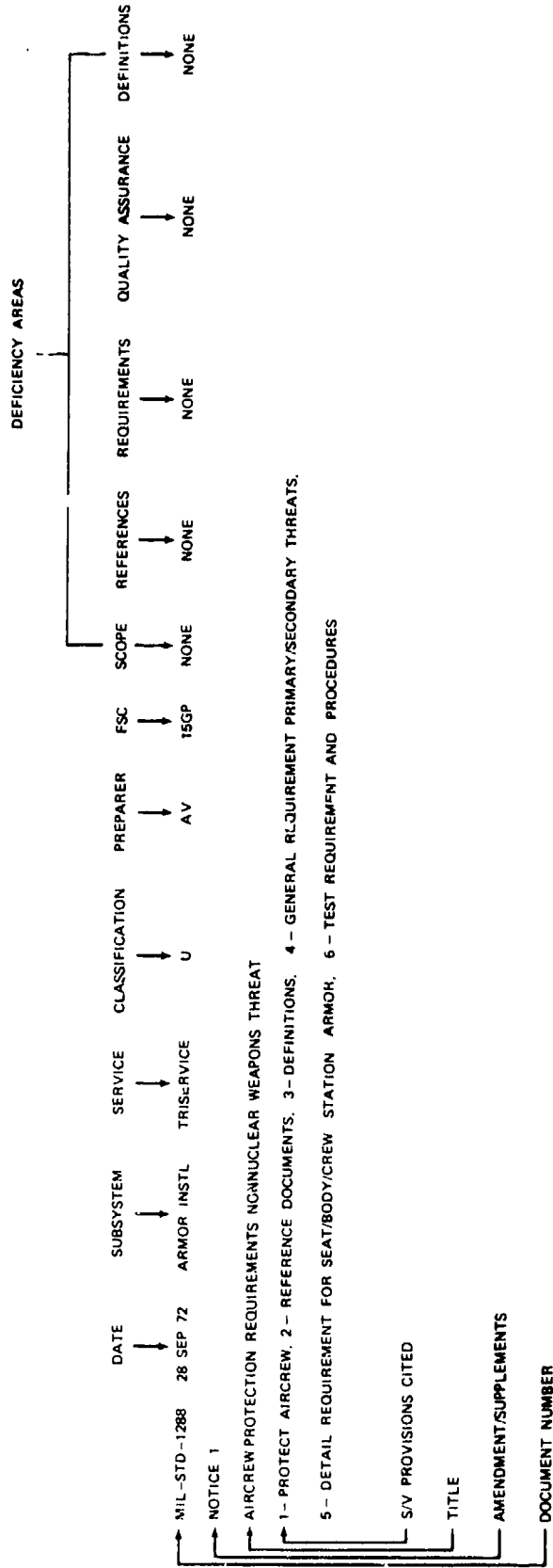


Figure 18. Example of Final Report Document Data Format.

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-5498C (ASG) ... Accumulators, Aircraft Hydropneumatic Pressure 1-Pressures to 3,000 psi; 2-Ref Documents; 3.5.1-Fragmentation; 4.1.1-Fragmentation Test .50 Cal IP at 25 Yards Tumbled; 6-Intended Use	25 FEB 57 ...	F.aid pwr	USAF/Navy	U	AS	1650	Gen	None	None	None	Gen
MIL-A-7168A Notice 1 Armor, Aircraft, Aluminum-Alloy-Plates Deflector 1-Deflective Armor; 2-Ref Documents; 3.7-Ballistic Requirements Per Paragraph 4.4.1 of This Spec; 4.4.1.2-Ballistic Test Tables; 6-Notes	14 JUL 52 15 DEC 53	Armor mtl	Triservice	C	...	...	None	None	None	None	None
MIL-A-7169A Notice 1 Armor, Aircraft, Aluminum-Alloy-Plates, Protector 1-Armor on Aircraft; 2-Ref Documents; 3.7-Ballistic Requirements Per Paragraph 4.4.1 of This Spec; 4.4.1.2-Ballistic Test Tables; 6-Notes	14 JUL 52 15 DEC 53	Armor mtl	Triservice	C	...	...	None	None	None	None	None
MIL-A-7237A ... Air Induction System, Reciprocating Engine, General Specification for No S/V Provisions	31 JUL 62 ...	Propul/pwr	Triservice	U	AV	2945	Gen	Gen	Gen	Gen	Gen
MIL-A-8064B ... Actuator and Actuating Systems, Aircraft, Electromechanical, General Requirements for No S/V Provisions	22 JAN 70 ...	Config*	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen

* Also Env cont

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-8591D (1) Airborne Stores and Associated Suspension Equipment, General Design Criteria for No S/V Provisions	04 JUN 68	Armament	Triservice	U	AS	1500	Gen	Gen	Gen	Gen	Gen
MIL-A-8806A (1) Acoustical Noise Level in Aircraft, General Specification for No S/V Provisions	12 SEP 67	Env cont	Triservice	U	AS	1500	Gen	Gen	Gen	Gen	Gen
MIL-A-8860 Airplane Strength and Rigidity, General Specification for No S/V Provisions	18 MAY 60	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8861(ASG) Airplane Strength and Rigidity Flight Loads No S/V Provisions	18 MAY 60	Structure*	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8862(ASG) Airplane Strength and Rigidity Landplane Landing and Ground Handling Loads No S/V Provisions	18 MAY 60	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen

* Also fit cont

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-8863(ASG) Amendment 1 Airplane Strength and Rigidity Additional Loads for Carrier Based Airplanes No S/V Provisions	18 MAY 60 ...	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8864(ASG) Airplane Strength and Rigidity Water and Handling Loads for Seaplanes No S/V Provisions	18 MAY 60 ...	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8865(ASG) Airplane Strength and Rigidity Miscellaneous Loads No S/V Provisions	18 MAY 60 ...	Structure*	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8866(ASG) Airplane Strength and Rigidity Reliability Requirements, Repeated Loads, and Fatigue No S/V Provisions	18 MAY 60 ...	Structure*	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8867(ASG) Airplane Strength and Rigidity Ground Tests No S/V Provisions	18 MAY 60 ...	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen

Also Fit cont

JTCG/AS-74-D-003

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-8868(ASG) Airplane Strength and Rigidity Data and Reports No S/V Provisions	18 MAY 60	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8869(ASG) Airplane Strength and Rigidity Special Weapons Effects No S/V Provisions	18 MAY 60	Structure	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8870(ASG) Airplane Strength and Rigidity Vibration, Flutter, and Divergence No S/V Provisions	18 MAY 60	Structure*	USAF/Navy	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8871A Airplane Tests, Strength and Rigidity, Flight and Ground Operations No S/V Provisions	01 JUL 71	Structure	USAF	U	11	1510	Gen	Gen	Gen	Gen	Gen
MIL-A-8892(USAF) Airplane Strength and Rigidity, Vibration No S/V Provisions	31 MAR 71	Structure	USAF	U	11	1510	Gen	Gen	Gen	Gen	Gen

* Also F1t cont

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-8893(USAF)	31 MAR 71	Structure	USAF	U	II	1510	Gen	Gen	Gen	Gen	Gen
Airplane Strength and Rigidity. Sonic Fatigue No S/V Provisions											
MIL-A-8897A	14 MAY 63	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Spec	Spec	Gen
Accumulators, Hydraulic, Cylindrical, 3,000 psi, Aircraft Type II Systems 3.4-Unit to Pass Tests in Section 4; 4.4(J)-Fragmentation Test; 4.7.10-Impact with Tumbled .50 Cal Incendiary Projectile Without Separation or Excessive Tearing											
MIL-A-13259B	06 MAY 66	Armor mtl	Army	U	MR	9515	None	Gen	None	None	None
Armor, Steel, Sheet, Strip and Fabricated Forms, Rolled, for Helmets and Personal Armor 1-Non-Magnetic Steel of one Composition; 2-Ref Documents; 3.1-Chemical Composition, 3.5-V ₅₀ Protection Ballistic Limit; 4.6.2.6 Thru 4.6.2.6.5-Ballistic Test Rqmts; 6.1-Ordering Data											
MIL-A-17367C (1)	15 JAN 69	Armor mtl	Navy	U	MC	8470	None	None	None	None	None
Armor, Body, Fragmentation Protective, Upper Torso, (With Collar, M-1755) 1-Protective Body Armor; 2-Ref Documents; 3.3.1-Ballistic Nylon Cloth Per MIL-C-7812, 3.9-Ballistic Test Method Per MIL-STD-662; 4-Test and Inspection; 6-Intended Use											
MIL-A-17856	05 JAN 53	Armor mtl	Navy	C	...	...	None	None	None	None	None
Amendment 2	05 APR 54										
Armor, Fragment, Non-Metallic 1-Sheet or Panel Form; 2-Ref Documents; 3.2-Ballistic Requirements Penetration Test With .22 Cal and/or .30 Cal Fragment Simulators; 4.2.3.3-Ballistic Test Tables; 6.2-Intended Use											

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-18717A(WP) ... Arresting Hook Installations, Aircraft No S/V Provisions	06 APR 65	Launch/rec	Navy	U	AS	1710	Gen	Gen	Gen	Gen	Gen
MIL-A-19531B ... Aircraft, Maintenance and Engineering Inspection Requirements No S/V Provisions	24 DEC 58	Config	Navy	U	AS	1500	Gen	Gen	Gen	Gen	Gen
MIL-A-19726A (2) Amendment 2 Air Refueling Systems, General Specification for No S/V Provisions	16 MAR 66 16 MAR 66 ...	Fuel sys	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-A-19879A(MC) Amendment 2 Armor, Body, Fragmentation Protective: Lower Torso 1.1-Fragmentation Protection Body Armor; 2-Ref Documents; 3.6-Ballistic Acceptance Test Method; 4-No Ballistic Test Requirements; 6.1-Intended Use	04 NOV 65 08 NOV 68 ...	Armor mlds	Navy	U	MC	8470	None	None	None	Gen	None
MIL-A-21180C (1) ... Aluminum-Alloy Castings, High Strength No S/V Provisions	26 FEB 65	Structure	Triservice	U	AS	MECA	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-21648 ... Armor, Aircraft, Magnesium Alloy Plates 1-Armor Plate; 2-Ref Documents: 3.8-Ballistic Requirements Per Paragraph 4.4.3 of This Spec; 4.4.3-Ballistic Test Tables; 6-Notes	14 OCT 58 ...	Armor mtl	Navy	C	...	...	None	None	None	None	None
MIL-A-23121C ... Aircraft Environmental, Escape and Survival Cockpit Capsule System, General Specification for No S/V Provisions	23 JUN 70 ...	Env cont	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-A-23556 ... Armor, Aircraft, Titanium Alloy, Plates 1-TI-3MN-Complex Alloy; 2-Ref Documents: 3.8-Ballistic Requirements; 4.4.3-Ballistic Testing Per MIL-STD-662 and Table I of Spec; 6.1-Ordering Data	09 JAN 63 ...	Armor mtl	Navy	C	...	9515	None	None	None	None	None
MIL-A-45225C(MR) Amendment 1 Aluminum Alloy Armor, Forged 1-Die Forgings; 2-Ref Documents; 3.4-Ballistic Requirements; 4.4.1.3-Ballistic Tests; 6.1-Intended Use	19 JAN 70 03 NOV 70	Armor mtl	Army	U	MR	FORG	None	None	None	None	None
MIL-A-46027E(MR) ... Armor Plate, Aluminum Alloy, Weldable 5083 and 5456 1-Armor 1/2 to 3 Inches Thick; 2-Ref Documents: 3.4-Ballistic Limits: 4.4.1.3, 4.6.3, and 4.7.2-Ballistic Testing; 6.3, 6.4, 6.5, and 6.6-Ballistic Definitions	05 DEC 73 ...	Armor mtl	Army	U	MR	9535	None	None	None	None	None

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-46063C ... Aluminum Alloy Armor Plate, Heat-Treatable, Weldable 1-7039 Wrought Aluminum Alloy; 2-Ref Documents: 3-Material Composition: 4.6.4-Ballistic Tests; 6.4-V5C Protection Ballistic Limit, 6.5 Thru 6.7-Ballistic Test Definitions	31 AUG 72 ...	Armor mtl	Triservice	U	MR	9535	None	Gen	None	None	None
MIL-A-46083A ... Aluminum Alloy Armor, Extruded, Weldable 1-Armor to 2 Inches Thick; 2-Ref Documents: 3-4-Ballistic Limits: 4.6.3-Table VI Ballistic Test Requirements; 6.4, 6.5, 6.6, and 6.7-Ballistic Test Definitions	27 APR 71 ...	Armor mtl	Triservice	U	MR	FORG	None	Gen	None	None	None
MIL-A-46100A (1) ... Armor Plate, Steel, Wrought, High-Hardness 1-Lightweight; 2-Ref Documents: 3.13.1-Ballistic Test Plates; 4.4.1.1, 4.5.3, and 4.7.1-Ballistic Testing; 6.1-Intended Use, 6.4 Thru 6.7-Ballistic Test Definitions	06 NOV 72 ...	Armor mtl	Triservice	U	MR	9515	None	Gen	None	None	None
MIL-A-46103A ... Armor, Lightweight, Ceramic-Faced Composite, Procedure Requirements 1-Ceramic Armor Bonded to Metallic/Nonmetallic Backing; 2-Ref Spec; 3-Fabrication Procedures; 4-Mtl Rqmts; 5-Preproduction Rqmts; 6-Production/Ballistic Test Rqmts; 7-Intended Use	22 DEC 67 ...	Armor mtl	Triservice	U	MR	9390	None	None	None	None	None
MIL-A-46108A ... Armor, Transparent, Laminated Glass-Faced Plastic Composite 1-Flat Multi-Layer Glass-Faced With Non-Spalling Backing Material; 2-Ref Documents; 3-Material Rqmts, 3.9-Ballistic Test Plate Information; 4.7.6-Ballistic Testing; 6.3-Ballistic Test Information	22 MAY 72 ...	Armor mtl	Triservice	U	MR	9340	None	None	None	None	None

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Document Number Amend./supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-A-46118A Aluminum Alloy Armor, 2219, Rolled Plate and Die Forged Shapes 1-2219 Aluminum Alloy; 2-Ref Documents; 3-Material rqmts, 3.4-Ballistic Rqmts, 3.8.1-Ballistic Test Plates or Forgings; 4.4.4, 4.5.4, 4.7.4, and 4.8.2.3.3-Ballistic Test; 6.4-Ballistic Information	17 APR 69	Armor mtl	Army	U	MR	9535	None	None	None	None	None
MIL-A-83116A Air Conditioning Subsystems, Air Cycle, Aircraft and Missiles, General Specification for No S/V Provisions	31 MAR 71	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-B-6428A Batteries, Storage, Integrally Shielded, Lead-Acid Type, General Specification for No S/V Provisions	28 OCT 69	Elec pwr	USAF	U	82	6140	Gen	Gen	Gen	Gen	Gen
MIL-B-8075D Brake Control Systems, Antiskid, Aircraft Wheels, Instructions for Preparation of, Specification for 1-General Requirements for Anti-Skid System; 2-Ref Documents; 3-Requirements Per MIL-H-5440, MIL-H-8775, MIL-H-8891, MIL-P-5518; 4-No S/V Provisions for Test or Insp; 6-Intended Use	24 FEB 71	Launch/rec	Triservice	U	11	1630	Gen	None	None	Gen	Gen
MIL-B-8584C Brake Systems, Wheel, Aircraft, Design of 1-Hydraulic or Pneumatic; 2-Ref Documents; 3-Requirements Per Specs MIL-H-5440, MIL-P-5518, MIL-H-8775, MIL-H-8991, MIL-F-18372, and MIL-F-9490; 4-Not Applicable; 6-Intended Use	12 AUG 70	Launch/rec	Triservice	U	11	1630	Gen	None	None	None	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-B-12370G	29 DEC 72	Armor mtl	Triservice	U	GL	8470	None	None	None	Gen	None
Body Armor, Fragmentation Protective Vest With 3/4 Collar, M-69 1-Sizes. 2-Ref Documents: 3-Material and Design Requirements: 4-Tests: 6.1-Intended Use											
MIL-B-43366A Amendment 2	30 MAR 73 06 OCT 66	Crew sta	Triservice	U	GL	8470	None	None	None	None	None
Body Armor, Fragmentation Protective, Groin 1-Classification: 2-Ref Documents: 3-Rqmts; 4-Examination Ballistic Filler; 6-Intended Use											
MIL-B-83054A	15 AUG 73	Fuel sys	USAF	U	11	9330	None	None	None	None	None
Baffle Material, Aircraft Fuel Tank 1-Explosion Suppression: 2-Ref Documents: 3.7.3-Flame Arrestor Characteristics: 4.6.11-Flamability Tests, 4.6.19-Flame Arrestor Tests; 6.1-Intended Use, 6.3-Definitions											
MIL-C-172C (2)	20 OCT 66	Flt cont	Triservice	U	11	5975	Gen	Gen	Gen	Gen	Gen
Cases, Bases, Mounting, and Mounts Vibration (for Use With Electronic Equipment in Aircraft) No S/V Provisions											
MIL-C-5011A	05 NOV 51	Config	Triservice	U	11	1500	Gen	Gen	Gen	Gen	Gen

Charts, Standard Aircraft Characteristics and Performance, Piloted Aircraft
 No S/V Provisions

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-5503C (4) Amendment 4 Cylinder, Aeronautical, Hydraulic Actuating, General Requirements for No S/V Provisions	26 APR 72 26 APR 72	Fluid pwr	Triservice	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-C-5637B ... Cooler, Lubricating Oil, Petroleum Base, Aircraft Engine, Tubular No S/V Provisions	15 SEP 64 ...	Propul/pwr	Triservice	U	AS	2935	Gen	Gen	Gen	Gen	Gen
MIL-C-5886D Amendment 1 Cylinder, Oxygen, Low Pressure, Nonshatterable 1-Low Pressure Storage; 2-Ref Documents; 3.6.6-Fragmentation by Gunfire; 4.6.8-Fragmentation Test Using .50 Cal M-2 AP Projectile; 6.1-Intended Use	29 MAY 68 17 JAN 74	Pass/cargo*	Triservice	U	71	1660	Gen	Gen	None	None	None
MIL-C-6021G ... Castings, Classification and Inspection of No S/V Provisions	09 SEP 67 ...	Flt cont	Triservice	U	AS	MECA	Gen	Gen	Gen	Gen	Gen
MIL-C-6026B ... Control Unit, Pressure Generating Manually Operated, Aircraft Hydraulic Brake System No S/V Provisions	09 OCT 59 ...	Launch/rec	Triservice	U	AS	1630	Gen	Gen	Gen	Gen	Gen

* Also Env cont

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-6388A ... Compressor Unit, Air. Aircraft, Shaft Power Driven, General Specification for No S/V Provisions	27 AUG 58 ...	Fluid pwr	USAF	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-C-6591A ... Compressor Unit, Aircraft, Electric Motor Driven, General Specification for No S/V Provisions	22 APR 52 ...	Fluid pwr	USAF/Navy	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-C-6635C (1) ... Canopy, Parachute, Ribbon, General Specification for Construction for No S/V Provisions	24 JUL 68 ...	Launch/rec	USAF/Navy	U	11	1670	Gen	Gen	Gen	Gen	Gen
MIL-C-6781B ... Control Panel, Aircraft Equipment, Rack or Console Mounted No S/V Provisions	13 SEP 60 ...	Crew sta	USAF/Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-C-7054A(AER) (1) ... Catapult, Personnel Ejection, NAMC Type II and MANC Type UII (sic) No S/V Provisions	04 APR 56 ...	Crew sta	Navy	U	AS	1720	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-7078C ... Cable, Electric, Aerospace Vehicle, General Specification for No S/V Provisions	09 AUG 71 ...	Elec pwr	USAF/Navy	U	AS	6145	Gen	Gen	Gen	Gen	Gen
MIL-C-7115D (1) ... Converter, Aircraft, General Specification for No S/V Provisions Other Than Nuclear Radiation	29 SEP 72 ...	Elec pwr	Army/Navy	U	AS	6130	Gen	Gen	Gen	Gen	Gen
MIL-C-7413B (1) ... Couplings, Quick Disconnect, Automatic Shutoff, General Specification for No S/V Provisions	16 MAY 73 ...	Propul/pwr*	USAF/Army	U	11	4730	Gen	Gen	Gen	Gen	Gen
MIL-C-7712A Notice 1 Compressor, Air, Gas Turbine Type, General Specification for No S/V Provisions	13 NOV 52 20 FEB 63	Fluid pwr	Navy	U	AS	2835	Gen	Gen	Gen	Gen	Gen
MIL-C-7812C ... Cloth, Nylon, Ballistic 1-Flak Protective Vests and Curtains: 2-Ref Documents: 3-Materials: 4-Inspection; 6-Intended Use	31 MAR 59 ...	Armor mls	Navy	U	AS	8305	None	None	None	None	None

* Also Fuel sys

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Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rjmt	QA	Def
MIL-C-7905D ... Cylinder, Compressed Gas, Non-Shatterable 1-Classification; 2-Ref Documents: 3.6.9-Fragmentation Resistance: 4.7.10-.30 and .50 Caliber AP Projectile Both Tumbled and Non-Tumbled; 6-Intended Use	02 JAN 68 ...	Env cont	Triservice	U	AS	8120	Gen	Gen	None	None	Gen
MIL-C-7958A ... Control, Push Pull, Flexible and Rigid No S/V Provisions	28 JUL 71 ...	Config*	Triservice	U	71	2995	Gen	Gen	Gen	Gen	Gen
MIL-C-7979B ... Cylinders, Hydraulic Brake, Master, Power Assisted No S/V Provisions	21 OCT 59 ...	Launch/rec	Triservice	U	AS	1630	Gen	Gen	Gen	Gen	Gen
MIL-C-7989B ... Cover, Light Transmitting, for Aeronautical Lights, General Specification for No S/V Provisions	08 MAR 71 ...	Config	Triservice	U	82	0220	Gen	Gen	Gen	Gen	Gen
MIL-C-8779D ... Color, Interior, Aircraft, Requirements for No S/V Provisions	25 AUG 71 ...	Structure	Triservice	U	AS	1500	Gen	Gen	Gen	Gen	Gen

* Also Propul/pwr and Env cont

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Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-8838A ... Cylinder, Pneumatic Actuating, Aircraft Utility System, General Specification for No S/V Provisions	01 MAR 73 ...	Fluid pwr	USAF/Navy	U	71	1650	Gen	Gen	Gen	Gen	Gen
MIL-C-9082G ... Converter, Oxygen, Aircraft, Liquid to Gaseous, General Specification for 1-70 or 300 psig; 2-Ref Documents: 3.6.10-Remain in One Piece Without Shattering Subject to Gunfire; 4.5.12-Gunfire Test .50 Cal API Tumbled: 6.1-Intended Use	03 JUN 70 ...	Env cont	USAF	U	71	1660	Gen	Gen	None	None	Gen
MIL-C-9401B ... Canopy, Parachute, Ring Slot, General Specification for Construction of No S/V Provisions	09 JAN 68 ...	Launch/rec	Triservice	U	11	1670	Gen	Gen	Gen	Gen	Gen
MIL-C-9927A ... Checklist, Organizational Maintenance (for Aeronautical Weapons Systems) No S/V Provisions	15 OCT 69 ...	Config	USAF	U	16	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-C-12369 (1) Amendment 1 Cloth Ballistic, Nylon 1.1-Minimum Ballistic Resistance; 2-Ref Documents: 3.9-Ballistic Limit V50 for 12 Layers Not Less Than 1,225 fps; 4.4-Ballistic Tests Using .22 Cal Type 2 Projectile; 6.1-Intended Use	29 JAN 69 29 JAN 69	Armor mtds	Army	U	GL	8305	None	None	None	None	None

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-8244A	01 DEC 62	Flt cont	Army/Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
Control and Stabilization Systems, Automatic Piloted Aircraft, General Specification for No S/V Provisions											
MIL-C-18375A(ASG)	30 AUG 62	Flt cont	USAF/Navy	U	AS	6145	None	None	None	None	None
Cable, Steel (Corrosion-Resisting) No S/V Provisions											
MIL-C-18491A	30 JUN 71	Crew sta	Navy	U	AS	1680	None	None	None	Spec	None
Curtain, Flak Protective 1-Type & Size; 2-Ref Documents: 3-Materials; 4-No Ballistic Test Requirements; 6-Intended Use											
MIL-C-19328C	05 MAR 68	Env cont	USAF/Navy	U	AS	1660	Gen	None	None	None	Gen
Converter, Liquid Oxygen, 5 Liter, MB-5A 1-One Type Converter; 2-Ref Documents: 3.7.14-No Evidence of Shattering From Gunfire Base Withstand Forces Exerted by Gunfire; 4.8.15-.50 Caliber API Tumbled; 6-Intended Use											
MIL-C-19803D	18 JAN 68	Propul/pwr*	Triservice	U	AS	1660	Gen	Gen	None	None	Gen
Amendments 1, 2, & 3 Converter, Liquid Oxygen, 10 Liter, GCU-24/A 1-Storing and Pressurizing Liquid Oxygen; 2-Ref Documents: 3.7.14-Gunfire Test Shall Show no Evidence of Shattering; 4.8.15-Test Using .50 Caliber API Bullet Tumbled; 6.1-Intended Use											

* Also Env cont

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-22263B ... Couplings Fuel Line, Flexible, 125 psi General Specification for No S/V Provisions	28 JUN 72 ...	Fuel sys	Triservice	U	AS	4730	Gen	Gen	Gen	Gen	Gen
MIL-C-22284A ... Container, Aircraft Fire Extinguishing System, Bromotrifluoromethane, CF3BR 1-Types; 2-Ref Documents; 3-Requirements; 4.6-10-Gunfire Test With .50 Cal M2 AP Tumbled; 6.1-Intended Use	07 SEP 65 ...	Propul/pwr	Navy	U	AS	1680	Gen	Gen	None	None	None
MIL-C-22931B ... Cable, Radio Frequency, Semi-Rigid, Coaxial, Semi-Air-Dielectric, General Specification for No S/V Provisions	10 FEB 68 ...	Avionics	Triservice	U	EC	6145	Gen	Gen	Gen	Gen	Gen
MIL-C-25427A (1) ... Coupling Assembly, Hydraulic, Self-Sealing, Quick Disconnect No S/V Provisions	08 JAN 63 ...	Fluid pwr	Triservice	U	AS	4730	Gen	Gen	Gen	Gen	Gen
MIL-C-25478 (1) ... Cooler, Lubricating Oil, Aircraft Engine Synthetic Oil, General Specification for No S/V Provisions	14 FEB 57 ...	Propul/pwr	USAF	U	II	2935	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/sup; Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-25570E (1) ... Container, Survival and Oxygen Equipment, Cushion, Seat, General Specification for No S/V Provisions	25 MAR 70	Crew sta	USAF	U	71	1660	Gen	Gen	Gen	Gen	Gen
MIL-C-25666C (2) ... Converter, Liquid Oxygen, Capacitance Type Gaging, General Specification for 1-70 or 300 psig; 2-Ref Documents: 3.5.1.2-Remain in One Piece Without Shattering When Subject to Gunfire; 4.5.1.3-Gunfire Test .50 Cal API Tumbled; 6.2-Procurement Documents	03 FEB 69	Env cont	USAF	U	11	1660	Gen	Gen	None	None	None
MIL-C-25918 (2) ... Cartridge Actuated Devices, Aircraft Crew Emergency Escape, General Specification for No S/V Provisions	06 OCT 65	Crew sta	USAF	U	11	1375	Gen	Gen	Gen	Gen	Gen
MIL-C-25969B ... Capsule Emergency Escape Systems, General Specification for No S/V Provisions	04 MAR 70	Crew sta	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen
MIL-C-27315A ... Coating System, Elastomeric, Thermally Reflective and Rain Erosion Resistant No S/V Provisions	24 FEB 72	Structure	USAF	U	11	8030	Gen	Gen	Gen	Gen	Gen

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MIL-C-27505B(USAF) Cartridge, Engine Starter MXU-4A6A No S/V Provisions	15 JUN 67	Propul/pwr	USAF	U	70	1377	Gen	Gen	Gen	Gen	Gen
MIL-C-27649 (3) Coveralls, High Altitude CSK-6/P22S-2 No S/V Provisions	10 FEB 65	Crew sta	USAF	U	82	8475	Gen	Gen	Gen	Gen	Gen
MIL-C-27889D Computer, Transducer, Altitude Encoding CPU-46/A, General Specification for No S/V Provisions	20 SEP 71	Avionics	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-C-38240C Computer, Altitude Encoding CPU-66, General Specification for and MTU-39/A Mounting Tray No S/V Provisions	19 JUL 71	Avionics	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-C-38747 Covering, Floor, Military Aircraft, General Specification for No S/V Provisions	15 APR 66	Pass/cargo	Triservice	U	82	1680	Gen	Gen	Gen	Gen	Gen

Deficiencies

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MIL-C-43544(GL) ... Carrier, Body Armor, Aircrewman, Small Arms Protective No S/V Provisions: One Required as This Spec is for The Carrier for The Armor Material	20 SEP 67	Armor mtl	Army	U	GL	8470	None	None	None	None	None
MIL-C-43635 Amendment 1 Cloth, Felt: Ballistic Nylon, Lightweight 1.1-Resistant to Penetration by Ammo Fragments; 2-Ref Documents: 3.6-Ballistic Resistance; 4.6.1 Thru 4.6.1.6-Ballistic Resistance Tests; 6.1-Intended Use	14 APR 69 11 FEB 72	Armor mtl	Triservice	U	GL	8305	None	None	None	None	None
MIL-C-50785 Supplement 1 Circuit Card Assembly, Sight Current Generator, General Specification for No S/V Provisions	20 APR 73 20 APR 73	Avionics	Army	U	MU	1285	Gen	Gen	Gen	Gen	Gen
MIL-C-55021A (2) ... Cable, Twisted Pairs and Triples, Internal Hookup, General Specification for No S/V Provisions	13 FEB 70	Elec pwr	USAF/Army	U	MI	6145	Gen	Gen	Gen	Gen	Gen
MIL-C-81126C ... Coveralls, Flying, Summer, Fire Resistant Polyamide, Type CS/FRP-1 1.1-Fire Resistant; 2-Ref Documents; 3-Materials and Components; 4-Inspection; 6.1-Intended Use	17 SEP 70	Crew sta	Navy	U	AS	8415	None	None	None	None	None

Deficiencies

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MIL-C-81590 (2) ... Cockpit Canopy System, Fixed Wing Single and Multiplace, Fighter, Attack and Trainer No S/V Provisions	20 SEP 71 ...	Crew sta	Navy	U	AS	1560	Gen	Gen	Gen	Gen	Gen
MIL-C-81774A ... Control Panel, Aircraft, General Requirements for No S/V Provisions	23 MAR 73 ...	Crew sta	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-C-81908 (1) ... Coveralls, Flyers, Summer, High Temperature Resistant, CWU-42/P 1.1-High Temperature Resistant; 2-Ref Documents; 3-Materials and Components; 4-Inspection; 6.1-Protection from Fire	30 JAN 73 ...	Crew sta	Navy	U	AS	8475	None	None	None	None	None
MIL-C-8215B ... Compressor Unit, Aircraft, Hydraulic Motor Driven, General Specification for No S/V Provisions	23 SEP 58 ...	Fluid pwr	USAF	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-C-83124 ... Cartridge Actuated Devices/Propellant Actuated Devices, General Design Specification for No S/V Provisions	30 OCT 69 ...	Armament	Triservice	U	MU	1377	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-83125 Cartridge for Cartridge/Propellant Actuated Devices, General Design Specification for No S/V Provisions	10 MAR 69	Armament	Triservice	U	MU	1377	Gen	Gen	Gen	Gen	Gen
MIL-C-83141 (5) Coveralls, Flying, Mens, Summer, Fire-Resistant 1-5 Types; 2-Ref Documents; 3-Materials; 4-Inspection; 5-Delivery; 6-General Notes	26 OCT 71	Crew sta	USAF	U	11	8415	None	None	None	None	None
MIL-C-83166A Converter-Multiplexer, Signal Data, General Specification for No S/V Provisions	03 SEP 69	Structure*	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-C-83231 Coating, Polyurethane, Rain Erosion Resistant for Exterior Aircraft and Missile Parts No S/V Provisions	21 AUG 69	Structure	Triservice	U	11	8010	Gen	Gen	Gen	Gen	Gen
MIL-C-83286A Coating Urethane, Aliphatic Isocyanate, for Aerospace Applications No S/V Provisions	27 OCT 72	Structure	USAF	U	11	8010	Gen	Gen	Gen	Gen	Gen

* Also Avionics

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-C-83291A(USAF) Covers, Self-Sealing, Fuel Line, Aircraft 1-Self Sealing Fuel Line Covers and Hoses; 2-Ref Documents; 3.5.9-Gunfire Resistance; 4.5.11-Gunfire Tests Using .30, .50 and .60 Cal Ammunition; 6.1-Intended Use; 6.3-Definitions	10 AUG 72	Fuel sys	USAF	U	11	4720	None	None	None	None	None
MIL-C-83729A Chopper, Electromechanical, General Specification for No S/V Provisions	01 FEB 72	Avionics	Triservice	U	80	5945	Gen	Gen	Gen	Gen	Gen
MIL-D-24B (2) Dynamotor, General Specification for No S/V Provisions	10 APR 64	Elec pwr	Triservice	U	EL	6125	Gen	Gen	Gen	Gen	Gen
MIL-D-5813A (1) Dome, Navigator Observing, Non-Pressurized Aircraft, Type A-3A No S/V Provisions	03 JUN 71	Crew sta	USAF	U	82	1680	Gen	Gen	Gen	Gen	Gen
MIL-D-6728A Dampers, Engine Exhaust Flame and Glare 1-Types Piston Engines; 2-Ref Documents; 3.5.1-Exhaust Glare Suppression, 3.5.2-Exhaust Visibility Suppression; 4-Test Procedures; 6-Intended Use	15 NOV 56	Propul/pwr	Triservice	U	AS	1560	None	Gen	None	None	None

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Deficiencies

Document Number Amend./supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-D-7033D (1) Direction Finder Group AN/ARA-25 and AN/ARA-25A No S/V Provisions	22 NOV 67	Avionics	Triservice	U	AS	5826	Gen	Gen	Gen	Gen	Gen
MIL-D-7602A Drive, Turbine, Air, Aircraft Accessory, General Specification for No S/V Provisions	29 AUG 66	Pwr trains	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-D-7890A (2) Design and Installation of Anti-G Suit Pressure Systems In Jet Propelled Aircraft No S/V Provisions	27 JUN 73	Env cont	USAF/Navv	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-D-8181B Detector, Ice, Air Intake Duct, Aircraft Engines and Airframe Systems, General Specification for No S/V Provisions	15 MAR 65	Propul/pwr	Triservice	U	11	6340	Gen	Gen	Gen	Gen	Gen
MIL-D-8683A Design and Installation of Gaseous Oxygen Systems in Aircraft General Specification for 1-Gaseous Oxygen Systems 450 to 1,800 psig; 2-Ref Documents; 3.6.1-Separate Cylinders to Minimize Combat Vulnerability; 4-Inspection and Testes; 6-Intended Use	03 JUL 69	Env cont	Triservice	U	AS	1660	Gen	None	None	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-D-9056B ... Deceleration Parachute Systems, Aircraft, General Requirements for No S/V Provisions	30 APR 71	Launch/rec	USAF	U	11	1670	Gen	Gen	Gen	Gen	Gen
MIL-D-9129B ... Discharger, Aircraft Electrostatic, General Specification for No S/V Provisions	08 NOV 67	Config	Triservice	U	80	5920	Gen	Gen	Gen	Gen	Gen
MIL-D-19326E ... Installation and Tests of Liquid Oxygen Systems in Aircraft, General Specification for 1-Scope: 2-Ref Documents; 3.5.6, 3.6.9.3, and 3.11-Locate Lines Away From Lines Carrying Flammable Fluids; 4-Inspection; 6-Intended Use	15 JUN 71	Env cont	USAF/Navy	U	AS	1660	Gen	None	Spec	Spec	Spec
MIL-D-21625E (1) ... Design and Evaluation of Cartridges for Cartridge Actuated Devices No S/V Provisions	11 MAY 72	Propul/pwr	Navy	U	AS	1377	Gen	Gen	Gen	Gen	Gen
MIL-D-23222A ... Demonstration Requirements for Helicopters 1-General Rqmts: 2-Ref Documents; 3.10.7.4-Infrared Radiation, 3.14.1.8(S)-Countermeasures Vulnerability, 3.14.1.9-Countermeasures; 4-Inspection of Data; 6-Notes	18 MAR 71	Config	Navy	U	AS	1520	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-D-23615A (4) Design and Evaluation of Cartridge Actuated Devices No S/V Provisions	06 NOV 72	Crew sta*	Navy	U	AS	1377	Gen	Gen	Gen	Gen	Gen
MIL-D-25646 Direction Finder Group AN/ARA-25. Installation of No S/V Provisions	26 SEP 56	Avionics	USAF	U	11	5826	Gen	Gen	Gen	Gen	Gen
MIL-D-27729A De. ing System. Flame-Smoke. Aircraft and Aerospace Vehicles. General Performance of No S/V Provisions	25 JUN 63	Propul/pwr	USAF	U	11	6340	Gen	Gen	Gen	Gen	Gen
MIL-D-81514B (5) Device, Restraint Harness Take-Up, Inertia-Locking, Powered-Retracting. General Specification for 1-Scope: 2-Ref Documents; 3-Crash Loads; 4-Crash Loads Test; 6-Notes	25 MAY 72	Crew sta	Navy	U	AS	1680	None	None	None	None	None
MIL-D-81641 Display, Head Up, General Specification for No S/V Provisions	26 JUN 72	Avionics	Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen

* Also Armament

Deficiencies

Document Number Amend'supp Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-D-83029A ... Drive Assembly, Constant Speed, General Specification for No S/V Provisions	23 APR 68	Pwr trains	USAF	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-E-5007D ... Engine, Aircraft, Turbojet and Turbofan, General Specification for 1-Scope; 2-Ref Documents: 3.3.6.7.2-Optimize Survival Capability of Engine; 4-Tests; 6-Intended Use	15 OCT 73	Propul/pwr	Triservice	U	11	2840	Gen	Gen	Spec	Gen	Gen
MIL-E-5272C (2) ... Environmental Testing, Aeronautical and Associated Equipment, General Specification for No S/V Provisions	18 SEP 70	Flt cont*	USAF/Navy	U	11	6625	Gen	Gen	Gen	Gen	Gen
MIL-E-5400N ... Electronic Equipment, Airborne, General Specification for No S/V Provisions	30 NOV 71	Crew sta**	Triservice	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
MIL-E-5627B (2) ... Extinguishers, Fire, Carbon Dioxide, Portable No S/V Provisions	02 MAR 73	Crew sta***	Army/Navy	U	AS	4210	Gen	Gen	Gen	Gen	Gen

* Also Fluid pwr, Env cont, and Armament

** Also Avionics and Armament

*** Also Pass/cargo

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-E-7080B (3) Electric Equipment, Aircraft, Selection and Installation of 1-Scope: 2-Ref Documents: 3.1.8.7.9-Shielding and Separation; 4-Inspection; 6-Intended Use	29 APR 68	Env cont*	Triservice	U	AS	MISC	Gen	None	None	Gen	Gen
MIL-E-8189G Electronic Equipment, Missiles, Boosters and Allied Vehicles, General Specification for No S/V Provisions	02 JUN 73	Armament	USAF/Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
MIL-E-8219A Engine, Ramjet, General Specification for No S/V Provisions	23 NOV 54	Propul/pwr	USAF	U	70	2840	Gen	Gen	Gen	Gen	Gen
MIL-E-8593(ASG) Engine, Aircraft, Turboprop, General Specification for No S/V Provisions	03 SEP 54	Propul/pwr	USAF/Navy	U	AS	2840	Gen	Gen	Gen	Gen	Gen
MIL-E-9426D (2) Escape System, Requirements Conformance Demonstrations and Performance Tests No S/V Provisions	16 JUL 71	Crew sta	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen

* Also Elec pwr and Armament

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-E-18927D (2) ... Environmental Systems Pressurized Aircraft, General Requirements for No S/V Provisions	01 FEB 71	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen
MIL-E-19400 (1) ... Electronic Equipment, Airborne Sonar, General Specification for No S/V Provisions	20 JUN 57	Avionics	Navy	U	AS	5845	Gen	Gen	Gen	Gen	Gen
MIL-E-19600A ... Electronic Modules, Aircraft, General Requirements for No S/V Provisions	01 DEC 59	Fit cont*	USAF/Navy	U	AS	58GP	Gen	Gen	Gen	Gen	Gen
MIL-E-22285 (1) ... Extinguishing System, Fire, Aircraft, High-Rate Discharge Type, Installation and Test of 1-Engine Spaces & Other Potential Fire Zones; 2-Ref Documents; 3-Requirements; 4-Inspection & Test; 5-Not Applicable; 6-Notes	27 APR 60	Propul/pwr	Navy	U	AS	1680	Gen	Gen	Gen	Spec	Gen
MIL-E-23001A (1) ... Electric Generating System, Variable Speed Constant Frequency-Aircraft, General Specification for No S/V Provisions	08 NOV 72	Elec pwr	Navy	U	AS	6115	Gen	Gen	Gen	Gen	Gen

* Also Avionics

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-E-25109 ... Engine, Aircraft, Reciprocating, General Specification for No S/V Provisions	07 FEB 55 ...	Propul/pwr	Navy	U	AS	2810	Gen	Gen	Gen	Gen	Gen
MIL-E-25366C ... Electric and Electronic Equipment and System, Guided Missile, Installation of, General Specification for 1-Scope; 2-Ref Documents: 3.4(F)-Vulnerability to Countermeasures; 4-Tests; 6-Definitions	27 FEB 61 ...	Armament	Triservice	U	11	1420	Gen	Gen	Spec	Spec	Gen
MIL-E-25499C ... Electrical System, Aircraft Design and Installation of, General Specification for No S/V Provisions	23 MAR 70 ...	Elec pwr	Triservice	U	11	MISC	Gen	Gen	Gen	Gen	Gen
MIL-E-38453A ... Environmental Control, Protection, and Engine Bleed Air System, Aircraft, Missiles, General Specification for No S/V Provisions	02 DEC 71 ...	Propul/pwr*	USAF	U	11	MISC	Gen	Gen	Gen	Gen	Gen
MIL-E-50796 ... Expanding Shielded Mild Detonating Cord Assembly No S/V Provisions	12 JUN 73 ...	Crew sta	USAF/Army	U	MU	1377	Gen	Gen	Gen	Gen	Gen

Also Env cont

Deficiencies

Document Number Amend./supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-E-81512 ... Encoder, Shaft Position to Digital, Contact Type, Altitude Reporting, General Specification for No S/V Provisions	18 DEC 68 ...	Avionics	Triservice	U	AS	7440	Gen	Gen	Gen	Gen	Gen
MIL-F-5508B (1) ... Fuses, Aircraft Automatic Quantity-Measuring, Hydraulic No S/V Provisions	20 AUG 71 ...	Fluid pwr	Triservice	U	71	1650	Gen	Gen	Gen	Gen	Gen
MIL-F-5577B Amendment 1 Fittings, Tank, Power Plant Fluid, Removable General Specification for 1.2-Classification of Fittings; 2-Ref Documents; 3.5(D)-Hydraulic Surge Due to Gunfire; 4.5-Test Methods; 6.1-Intended Use	27 MAY 59 25 FEB 60	Propul/pwr*	Triservice	U	11	1560	Gen	Gen	Spec	Gen	Gen
MIL-F-7179E ... Finishes and Coatings, Protection of Aerospace Structures and Parts, General Specification for No S/V Provisions	15 NOV 72 ...	Structure	Triservice	U	AS	MFFP	Gen	Gen	Gen	Gen	Gen
MIL-F-7190A (1) ... Forgings, Steel, for Aircraft and Special Ordnance Applications No S/V Provisions	18 SEP 58 ...	Fit cont	Triservice	U	11	3424	Gen	Gen	Gen	Gen	Gen

* Also Fuel sys

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-F-7194A ... Filter Reciprocating Engine Induction Air, Aircraft No S/V Provisions	05 MAR 63 ...	Propul/pwr	USAF/Army	U	MO	2945	Gen	Gen	Gen	Gen	Gen
MIL-F-7872C ... Fire and Overheat Warning Systems, Continuous, Aircraft Test and Installation of No S/V Provisions	18 NOV 66 ...	Propul/pwr	Triservice	U	AS	6340	Gen	Gen	Gen	Gen	Gen
MIL-F-8615C(ASG) ... Fuel System Components, General Specification for No S/V Provisions	26 FEB 69 ...	Fuel sys	Triservice	U	11	2915	Gen	Gen	Gen	Gen	Gen
MIL-F-8785B(USAF) Interim Amendment 1 Flying Qualities of Piloted Airplanes No S/V Provisions	07 AUG 69 31 MAR 71	Config	USAF/Navy	U	11	150C	Gen	Gen	Gen	Gen	Gen
MIL-F-8815C ... Filter and Filter Elements, Fluid Pressure, Hydraulic Line, 15 Micron Absolute and 5 Micron Absolute, Type II Systems General Specification for No S/V Provisions	29 SEP 72 ...	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-F-9490C (1) ... Flight Control Systems-Design, Installation and Test of, Piloted Aircraft, General Specification for 1-Classification: 2-Ref Documents; 3.2.5.1-System Separation, 3.2.5.2-Vulnerability Protection; 4-Test: 6.1-Intended Use	09 MAR 66	Flt cont	USAF/Army	U	11	6610	Gen	Gen	Gen	Spec	Gen
MIL-F-17874B ... Fuel Systems, Aircraft, Installation and Test of 1-Functional Operations, Installation and Test: 2-Ref Documents; 3.3.3-Tanks Per MIL-T-6396 and MIL-T-5578, MIL-F-1880? Not Listed in Requirements; 4-Test and Inspection: 6-Intended Use	20 AUG 65	Fuel sys	Navy	U	AS	3460	Gen	None	Spec	Gen	Gen
MIL-F-18264D (1) ... Finishes, Organic, Weapons System. Application and Control of No S/V Provisions	23 APR 71	Structure	Triservice	U	AS	8010	Gen	Gen	Gen	Gen	Gen
MIL-F-18372(AER) ... Flight Control Systems. Design, Installation and Test of Aircraft General Specification: 1.2-Classification; 2-Ref Documents: 3.1.1.6-Vulnerability Spacing of Control System Shielding by Heavy Structural Members; 4-Not Applicable; 6-Not Applicable	31 MAR 55	Flt cont*	Navy	U	AS	1500	Gen	Spec	Spec	None	None
MIL-F-18802A (1) ... Fuel and Oil Lines, Aircraft, Installation of 1-Scope: 2-Ref Documents: 3.5.5-Route Lines for Protection by Aircraft Structure	12 DEC 62	Fuel Sys	Navy	U	AS	2915	Gen	Gen	None	Gen	Gen

* Also Launch/rec

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-F-21297A ... Frequency Changers, Electrical, Aircraft, General Specification for No S/V Provisions	07 MAY 63 ...	Elec pwr	Army/Navy	U	AS	6125	Gen	Gen	Gen	Gen	Gen
MIL-F-23447 ... Fire Warning Systems, Aircraft Radiation Sensing Type, Test and Installation of No S/V Provisions	14 SEP 62 ...	Propul/pwr	Navy	U	AS	6340	Gen	Gen	Gen	Gen	Gen
MIL-F-25682A (1) ... Filter and Filter Element, Fluid Pressure, Hydraulic, Absolute, 25 Micron No S/V Provisions	24 JUN 70 ...	Fluid pwr	USAF/Army	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-F-26685B ... Flight Director System, Design and Installation of No S/V Provisions	28 JUN 68 ...	Avionics	USAF	U	11	6605	Gen	Gen	Gen	Gen	Gen
MIL-F-27272A (1) ... Fitting, Tetrafluoroethylene Hose, High Temperature, Medium Pressure, General Requirements for No S/V Provisions	06 MAR 69 ...	Fuel sys	Triservice	U	11	4730	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-F-38363B	13 OCT 71	Fuel sys	Army/Navy	U	11	2915	Gen	Gen	None	Gen	Gen
Fuel System, Aircraft, General Specification for											
1-Subsystems; 2-Ref Documents: 3.5.3.7.1.1-Fuel Line Routing Minimize Combat Damage, 3.5.3.7.1.5-Self-Sealing Fuel Line Covers, 3.7.1.9.3-Self-Sealing Tanks; 4-Testing; 6.2-Definitions											
MIL-F-43539(GL, Amendment I Felt, Ballistic, Nylon	23 AUG 67 09 AUG 72	Armor mds	Army	U	GL	8305	None	None	None	None	None
1-Resistant to Penetration by Ammo Fragments; 2-Ref Documents; 3.6-Ballistic Resistance; 4.6.1 Thru 4.6.1.5-Ballistic Resistance Test; 5.1-Intended Use											
MIL-F-83274	30 JUL 70	Fuel sys	USAF	U	84	4930	Gen	Gen	Spec	Spec	Gen
Fuel Delivery System, Bulk, Airborne, General Requirements for											
1-Bulk Fuel Delivery; 2-Ref Documents; 3.2(C)-Gunfire Protection, 3.5.1-Gunfire Protection by External or Internal Device; 4-Tests; 6.2(B)-Gunfire Protection											
MIL-F-83300	31 DEC 70	Config	Service	U	11	1500	Gen	Gen	Gen	Gen	Gen
Flying Qualities of Piloted V/STOL Aircraft											
No S/V Provisions											
MIL-G-1366E	02 JUN 70	Avionics	USAF/Navy	U	84	9340	Gen	Gen	Gen	Gen	Gen
Glass, Window, Aerial Photographic											
No S/V Provisions											

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-G-5485C ... Glass, Laminated, Flat, Bullet-Resistant 1-For Aircraft Windshields and Similar 6.6-Suggested Ballistic Rqmts, 6.6.1-Test Information	23 APR 71	Crew sta*	Triservice	U	AS	9340	None	Gen	None	Spec	None
MIL-G-6162B ... Generator, 30 Volt, Direct Current, Aircraft Engine Driven, General Specification for No S/V Provisions	15 FEB 72	Elec pwr	Triservice	U	AS	6115	Gen	Gen	Gen	Gen	Gen
MIL-G-6641B(ASG) ... Gearbox, Aircraft Accessory Drive, General Specification for No S/V Provisions	03 MAY 68	Pwr trains	USAF/Navy	U	11	1560	Gen	Gen	Gen	Gen	Gen
MIL-G-19053C (1) ... Gage, Aircraft, Capacitance, Liquid Oxygen Converter, General Specification for No S/V Provisions	18 NOV 71	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen
MIL-G-21075 (1) ... Generator System, Single Generator, Constant Frequency, Alternating Current, Aircraft, General Specification for No S/V Provisions	12 MAR 58	Elec pwr	Navy	U	AS	6115	Gen	Gen	Gen	Gen	Gen

Also Armor mths

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-G-21480A (1) ... Generator System, Single Generator, Constant Frequency Alternating Current, Aircraft, Class C, General Specification for No S/V Provisions	24 AUG 71 ...	Elec pwr	USAF/Navy	U	AS	6115	Gen	Gen	Gen	Gen	Gen
MIL-G-25641A ... Generator, Gas, Solid Propellant, Aeronautical, General Specification for No S/V Provisions	17 NOV 59 ...	Propul/pwr	USAF	U	II	1375	Gen	Gen	Gen	Gen	Gen
MIL-G-25667B (1) ... Glass, Monolithic, Aircraft Glazing No S/V Provisions	16 FEB 71 ...	Crew sta*	Triservice	U	II	9340	Gen	Gen	Gen	Gen	Gen
MIL-G-25867B (1) ... Gage, Pressure, Dial Indicating, Pneumatic No S/V Provisions	17 JUN 70 ...	Fluid pwr	USAF	U	II	6685	Gen	Gen	Gen	Gen	Gen
MIL-G-25871A (1) ... Glass, Laminated, Aircraft Glazing No S/V Provisions	24 NOV 59 ...	Crew sta*	USAF/Navy	U	II	9340	Gen	Gen	Gen	Gen	Gen

* Also Pass/cargo

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-G-26988C (1) ... Gage, Liquid Quantity, Capacitor Type Transistorized, General Specification for No S/V Provisions	26 SEP 72 ...	Fuel sys	Triservice	U	11	6680	Gen	Gen	Gen	Gen	Gen
MIL-G-38478 (1) ... General Requirements for Angle of Attack Based Systems No S/V Provisions	18 DEC 70 ...	Config	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-G-46857A ... Gyroscope, Remote Control (Command) Guidance Systems, General Specification for No S/V Provisions	28 JUL 71 ...	Flt cont	Triservice	U	MI	1420	Gen	Gen	Gen	Gen	Gen
MIL-H-5364D Amendment 1 Harness, Shoulder Safety, General Specification for 1-Scope; 2-Ref Documents; 3-Preproduction Testing; 4-Tests; 5-Delivery; 6-Notes	09 MAR 72 29 JUN 73	Crew sta	Triservice	U	11	1680	None	None	None	None	None
MIL-H-5440F ... Hydraulic Systems, Aircraft Types I and II, Design, Installation, and Data Requirements for 1-1,500 and 3,000 psi Systems; 2-Ref Documents; 3-2-Combat Damage, 3.6.7-Subsystem Isolation, 3.8.4-Duplicate Sys Separation, 3.11.22.1-Reservoir Protection, 3.11.29.4-Sys Separation; 4-Test	18 JAN 72 ...	Fluid pwr	Triservice	U	11	1650	Gen	Gen	None	Gen	Gen

Deficiencies

Document Number Amend:supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	QA	Def
MIL-H-7061A Hose, Rubber, Aircraft, Self-Sealing, Aromatic Fuel 1-One Grade Self-Sealing Hose: 2-Ref Documents: 3.5.3-Gunfire Rqmts: 4.6.4-Gunfire Test .50 Ball M-2 Ammunition: 6-Intended Use	06 JUN 68	Fuel sys	Triservice	U	82	4720	None	Gen	None	None
MIL-H-7138D (1) Hose Assembly, Oxygen Breathing Connector to Regulator No S/V Provisions	19 JAN 67	Env cont	Triservice	U	AS	1660	Gen	Gen	Gen	Gen
MIL-H-8501A (1) Notice 1 Helicopter Flying and Ground Handling Qualities, General Requirements for: No S/V Provisions	03 APR 62 20 JUN 72	Config	Army/Navy	U	AV	1520	Gen	Gen	Gen	Gen
MIL-H-8775C Hydraulic System Components, Aircraft and Missiles, General Specification for No S/V Provisions	08 JAN 64	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen
MIL-H-8788B Hose, Hydraulic and Pneumatic, High Pressure No S/V Provisions	12 JUL 68	Fluid pwr	Triservice	U	82	4720	Gen	Gen	Gen	Gen

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MIL-H-8790C (1) ... Hose Assembly, Rubber, Hydraulic, High Pressure (3000 psi) No S/V Provisions	24 JUN 68 ...	Fluid pwr	Triservice	U	82	4720	Gen	Gen	Gen	Gen	Gen
MIL-H-8794D ... Hose, Rubber, Hydraulic, Fuel and Oil Resistant No S/V Provisions	04 FEB 71 ...	Fuel sys*	Triservice	U	82	4720	Gen	Gen	Gen	Gen	Gen
MIL-H-8795B (1) ... Hose Assemblies, Rubber, Hydraulic, Fuel and Oil No S/V Provisions	24 JUN 68 ...	Fuel sys*	Triservice	U	82	4720	Gen	Gen	Gen	Gen	Gen
MIL-H-8796C ... Hose, Air Duct, Flexible, Aircraft No S/V Provisions	17 MAY 65 ...	Env cont	Triservice	U	AS	1660	Gen	Gen	Gen	Gen	Gen
MIL-H-8890 ... Hydraulic Components, Type III, (-65° to +450° F), General Specification for No S/V Provisions	01 NOV 61 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen

* Also Fluid pwr and Armament

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MIL-H-8891 ... Hydraulic Systems, Manned Flight Vehicles. Type III Design, Installation, and Data Requirements for 1-2 Classification: 2-Ref Documents: 3.9.2-Separation of Dual Lines, 3.11.21.3-Reservoir Location Protection From Combat Damage, 3.11.28.4-System Protection From Damage; 5.1-Intended Use	01 NOV 61 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Spec	Gen
MIL-H-18288 ... Hose and Assemblies, Aircraft, Self-Sealing, Aromatic Fuel 1-One Grade Only; 2-Ref Documents: 3.4.3-Gunfire Rqmts: 4.5.4-Gunfire Test With .50 Cal M-2 Ammunition: 6.1-Intended Use	02 DEC 54 ...	Fuel sys	Navy	U	AS	4720	None	Gen	None	None	None
MIL-H-18325B ... Heating and Ventilating Systems, Aircraft No S/V Provisions	04 MAY 59 ...	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen
MIL-H-18971 (2) ... Harness, Pilot Shoulder Safety, Standard Y Type No S/V Provisions	18 APR 57 ...	Crew sta	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-H-22343A ... Hose Assemblies, Metal. Liquid Oxygen No S/V Provisions	16 JAN 68 ...	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-H-25475B ... Hydraulic System, Missile, Design, Installation Tests and Date Requirements, General Requirements for No S/V Provisions	29 APR 71 ...	Fluid pwr	Triservice	U	11	1410	Gen	Gen	Gen	Gen	Gen
MIL-H-25579C ... Hose Assembly, Tetrafluoroethylene, High Temperature Medium Pressure, General Requirements for No S/V Provisions	16 AUG 71 ...	Fuel sys	Triservice	U	11	4720	Gen	Gen	Gen	Gen	Gen
MIL-H-26626A (2) ... Hose Assembly, Tetrafluoroethylene, Oxygen No S/V Provisions	15 MAR 71 ...	Env cont	Triservice	U	71	1660	Gen	Gen	Gen	Gen	Gen
MIL-H-38360A (2) ... Hose Assembly, Tetrafluoroethylene, High Temperature, High Pressure, Hydraulic and Pneumatic No S/V Provisions	08 JAN 73 ...	Fluid pwr	Triservice	U	11	4720	Gen	Gen	Gen	Gen	Gen
MIL-H-43388(GL) ... Helmet, Flying, Protective (Ballistic and Crash) 1-Crash and Ballistic Protective Helmet; 2-Ref Documents; 3.5.1.1-Ballistic Limit V50 Not Less Than 1,000 fps; 4.3.3.5, 4.4.7, 4.4.7.1, and 4.4.7.2-Ballistic Resistance Testing; 6.1-Intended Use	18 FEB 66 ...	Crew sta	Army	U	GL	8415	None	None	None	None	None

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-H-81581/1 (1) Hose Assemblies, Breathing Oxygen and Air, General Specification for No S/V Provisions	21 MAR 73	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen
MIL-H-83298 Hose, Tetrafluoroethylene, High Temperature, High Pressure (3000 psi), Hydraulic and Pneumatic No S/V Provisions	17 MAR 71	Fluid pwr	USAF	U	11	4720	Gen	Gen	Gen	Gen	Gen
MIL-I-5014F (1) Inner Tube, Pneumatic Tire, Aircraft No S/V Provisions	28 MAR 72	Launch/rec	Triservice	U	70	2620	Gen	Gen	Gen	Gen	Gen
MIL-I-5072A Instrument Systems, Pitot-Static Tube Operated, Installation of No S/V Provisions	14 APR 61	Crew sta	Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-5099B Indicator, Cabin Air Pressure, 1-7/8 Inch Dial, Type MA-1 No S/V Provisions	13 DEC 68	Env cont	Triservice	U	AS	6685	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-I-5949F(USAF) ... Instruments, Flight and Engine. Aircraft, Functional Tests and Tolerances of No S/V Provisions	27 AUG 68 ...	Crew sta	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-5997B ... Instrument and Instrument Panels, Aircraft, Installation of No S/V Provisions	10 MAY 63 ...	Crew sta	USAF	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-6115A (3) ... Instrument Systems, Pitot Tube and Flush Static Port Operated, Installation of No S/V Provisions	31 DEC 60 ...	Crew sta*	Army/Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-7028 (1) ... Instrument and Instrument Boards, Aircraft, Installation of No S/V Provisions	08 NOV 51 ...	Crew sta	Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-7032F(ASG) (1) ... Inverter, Aircraft, General Specification for No S/V Provisions	14 OCT 70 ...	Elec pwr	Triservice	U	AS	6125	Gen	Gen	Gen	Gen	Gen

Also Flt cont

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-I-7057C (1) ... Indicator, Synchro, Aircraft, General Specification for No S/V Provisions	25 AUG 72	Avionics	Triservice	U	11	6620	Gen	Gen	Gen	Gen	Gen
MIL-I-7062B ... Indicator, Position, Control Surfaces, 28 Volt Direct Current, General Specification for No S/V Provisions	01 JUN 67	Flt cont	Triservice	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-7064A ... Indicator, Position, Elevator Trim Tab No S/V Provisions	04 AUG 67	Flt cont	Triservice	U	71	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-7069A ... Indicator, Tachometer, Electric, Percent Speed Type, Aircraft, General Specification for No S/V Provisions	03 MAY 62	Crew sta	USAF	U	11	6620	Gen	Gen	Gen	Gen	Gen
MIL-I-7070B (1) ... Indicator, Temperature, Electrical-Resistance, Hermetically Sealed, General Specification for No S/V Provisions	21 JAN 72	Crew sta	Triservice	U	11	6685	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem:	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def	Deficiencies	
												Gen	Gen
MIL-I-7071B Indicator, Temperature, Thermocouple Hermetically Sealed, General Specification for No S/V Provisions	25 FEB 72	Crew sta	Triservice	U	82	6685	Gen	Gen	Gen	Gen	Gen	Gen	Gen
MIL-I-7171C Insulation Blanket, Thermal-Acoustical No S/V Provisions	15 JUN 65	Env cont	Triservice	U	WP	1560	Gen	Gen	Gen	Gen	Gen	Gen	Gen
MIL-I-7566B (1) Indicator System, Fuel Flowmeter, General Specification for No S/V Provisions	27 APR 62	Fuel sys	USAF/Navy	U	11	6680	Gen	Gen	Gen	Gen	Gen	Gen	Gen
MIL-I-8670 (1) Notice 1 Installation of Fixed Guns and Associated Equipment In Naval Aircraft No S/V Provisions	15 OCT 57 11 MAY 64	Env cont*	Navy	U	AS	1005	Gen	Gen	Gen	Gen	Gen	Gen	Gen
MIL-I-8671B (4) Installation of Droppable Stores and Associated Release Systems No S/V Provisions	30 DEC 71	Env cont*	Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen	Gen	Gen

* Also A. nament

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-I-8672B	18 APR 69	Config*	Navy	U	AS	1370	Gen	Gen	Gen	Gen	Gen
... Installation and Test of Aircraft Pyrotechnic Equipment in Aircraft, General Specification for No S/V Provisions											
MIL-I-8673	31 MAY 55	Armament	Navy	U	AS	1270	Gen	None	None	Gen	Gen
Notice 1	11 MAY 64										
Installation and Test of Aircraft Flexible Weapons Systems 1-Requirements for Installation: 2-Ref Documents; 3.19-Install Armor as Necessary in Accordance With MIL-I-8675; 4-Test Procedures; 6-Notes Listed As Not Applicable											
MIL-I-8675	31 GCT 53	Armament**	Navy	U	AS	9340	None	None	None	None	Gen
Notice 1	14 JAN 66										
Installation, Aircraft Armor 1.1-Armor & Bullet Resistant Glass; 2-Ref Documents: 3.1-Material, 3.2-Design & Construction, 3.5-Protection for Personnel, 3.6-Installation; 4-Gunfire Tests											
MIL-I-8677 (1)	25 APR 55	Env cont*	Army/Navy	U	AS	MISC	Gen	None	None	Gen	Gen
Notice 1	06 FEB 62										
Installation of Armament Control Systems and Associated Equipment In Naval Aircraft 1-Minimum Requirements for Installation of Armament Control System; 2-Ref Documents: 3.4.1-Armor Per MIL-I-8675; 4-Test and Inspection: 6-Notes											
MIL-I-8700A	01 MAY 70	Avionics*	Triservice	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
... Installation and Test of Electronic Equipment In Aircraft, General Specification for No S/V Provisions											

* Also Armament

** Also Armor mnts

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-I-8776B(USAF) ... Insulation Blanket, Thermal, Aerospace No S/V Provisions	07 MAY 73 ...	Propul/pwr	USAF	U	11	2995	Gen	Gen	Gen	Gen	Gen
MIL-I-23659C ... Initiator, Electric, Design and Evaluation of No S/V Provisions	31 AUG 72 ...	Armament	Triservice	U	AS	1377	Gen	Gen	Gen	Gen	Gen
MIL-I-25437A (1) ... Indicator, Aircraft, Pressure, Volume, Voltage Ratio Type, General Specification for No S/V Provisions	27 AUG 68 ...	Fluid pwr	USAF	U	11	6685	Gen	Gen	Gen	Gen	Gen
MIL-I-25645D (1) ... Indicator, Liquid Oxygen Quantity, Capacitance Type, General Specification for No S/V Provisions	16 JAN 73 ...	Env cont	USAF	U	11	6680	Gen	Gen	Gen	Gen	Gen
MIL-I-27273A (3) ... Inverter, Power, Static, General Specification for No S/V Provisions	12 MAR 70 ...	Elec pwr	Triservice	U	11	6130	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-I-28791 Isolator, Radio Frequency, General Specification for No S/V Provisions	10 JAN 73	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-I-38038A Instrument Lighting, Electroluminescent, General Specification for No S/V Provisions	12 JAN 72	Crew sta	USAF	U	11	66GP	Gen	Gen	Gen	Gen	Gen
MIL-I-81400 Instrument, Aircraft, General Specification for No S/V Provisions	01 SEP 66	Crew sta	Army/Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen
MIL-I-83294 Installation Requirement, Aircraft Propulsion Systems, General Specification for 1-Vulnerability: 2-Ref Documents; 3.4.4-Location Drain Lines Considering Battle Damage, 3.4.6.5-Exhaust Infrared Suppressor, 3.4.8.2-Installation of Fluid Lines, 3.4.11-Vulnerability	05 APR 71	Propul/pwr	USAF	U	11	2840	None	None	None	None	None
MIL-J-6193B Joints, Universal, Plain, Light and Heavy Duty No S/V Provisions	21 JUN 66	Flt cont	Triservice	U	82	3010	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-J-83389 ... Jetison System, Emergency, Aircraft Canopy, General Specification for No S/V Provisions	17 NOV 72	Crew sta	USAF	U	11	1680	Gen	Gen	Gen.	Gen	Gen
MIL-L-5057E (1) ... Light, Instrument, Individual, General Specification for No S/V Provisions	12 JUN 72	Crew sta	Triservice	U	AS	6220	Gen	Gen	Gen	Gen	Gen
MIL-L-5667B(ASG) ... Lighting Equipment, Aircraft Instrument Panel, General Specification for Installation of No S/V Provisions	04 FEB 64	Crew sta	USAF/Navy	U	11	6220	Gen	Gen	Gen	Gen	Gen
MIL-L-6484C (2) ... Light, Cockpit Utility, Aircraft General Specification for No S/V Provisions	15 JUL 69	Crew sta	Triservice	U	82	6220	Gen	Gen	Gen	Gen	Gen
MIL-L-6503G (1) ... Lighting Equipment, Aircraft, General Specification for Installation of No S/V Provisions	27 AUG 70	Crew sta*	USAF	U	MI	6220	Gen	Gen	Gen	Gen	Gen

* Also Pass/cargo

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-L-6730C ... Lighting Equipment, Exterior, Installation of Aircraft (General Specification) No S/V Provisions	14 MAY 71	Config	USAF/Navy	U	AS	6220	Gen	Gen	Gen	Gen	Gen
MIL-L-8552C (2) ... Landing Gear, Aircraft Shock Absorber (Air-Oil Type) No S/V Provisions	10 DEC 68	Launch/rec	Triservice	U	II	1620	Gen	Gen	Gen	Gen	Gen
MIL-L-11992B ... Launcher for Guided Missiles, Ground and Airborne, General Specification for No S/V Provisions	18 NOV 70	Armament	Triservice	U	MI	1440	Gen	Gen	Gen	Gen	Gen
MIL-L-22769A ... Launcher, Weapons, Airborne and Associated Equipment, General Specification for No S/V Provisions	15 JAN 62	Armament	Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
MIL-L-25467C (1) ... Lighting, Integral, Aircraft Instrument, General Specification for No S/V Provisions	14 MAR 73	Crew sta	Triservice	U	AS	6220	Gen	Gen	Gen	Gen	Gen

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Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-L-27160C ... Lighting, Instrument, Integral, White, General Specification for No S/V Provisions	03 MAR 72	Crew sta	USAF	U	11	6620	Gen	Gen	Gen	Gen	Gen
MIL-L-50794 ... Linear Shaped Charge Assembly No S/V Provisions	22 JAN 73	Crew sta	USAF/Army	U	MU	1377	Gen	Gen	Gen	Gen	Gen
MIL-M-7969C ... Motor, Alternating Current, 400-Cycle, 115/200-Volt System, Aircraft, General Specification for No S/V Provisions	25 MAY 65	Fluid pwr*	USAF/Navy	U	AS	6105	Gen	Gen	Gen	Gen	Gen
MIL-M-7997B ... Motors, Aircraft Hydraulic, Constant Displacement General Specification for No S/V Provisions	15 OCT 73	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-M-8555B ... Missile, Guided, Design and Construction, General Specification for 1-Classification; 2-Ref Documents; 3.1.4-Vulnerability to Countermeasures; 4-Inspection and Tests; 6.1-Intended Use	14 JUN 66	Armament	Triservice	U	AS	1410	Gen	Gen	None	Spec	Gen

* Also Elec pwr

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-M-8609B Motor, Direct Current, 28 Volt System, Aircraft, General Specification for No S/V Provisions	26 JUL 65	Fluid pwr*	USAF/Navy	U	AS	6105	Gen	Gen	Gen	Gen	Gen
MIL-M-8910A (2) Manuals, Technical, Illustrated Parts Breakdown Preparation of No S/V Provisions	19 APR 72	Config	Navy	U	AS	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-M-25047C (1) Markings and Exterior Finish Colors for Airplanes, Airplane Parts and Missiles No S/V Provisions	12 NOV 68	Structure	USAF/Navy	U	11	1500	Gen	Gen	Gen	Gen	Gen
MIL-M-38780A (1) Manual, Technical, Nondestructive Inspection No S/V Provisions	04 APR 73	Config	USAF	U	16	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-M-38784 (1) Manual, Technical, General Requirements for Preparation of No S/V Provisions	17 SEP 73	Config	Triservice	U	16	TMSS	Gen	Gen	Gen	Gen	Gen

* Also Elec pwr

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-M-38799(USAF) ... Manuals, Technical, Schematic Block Diagrams (SBD) Maintenance Dependency Charts (MDC) No S/V Provisions	15 AUG 71	Config	USAF	U	15	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-M-38800 (1) ... Manual, Technical, Organizational Maintenance Instructions (For Aircraft) No S/V Provisions	01 APR 72	Config	USAF	U	16	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-M-63000C (1) ... Manuals, Technical, General Requirements for Manuscripts No S/V Provisions	01 SEP 71	Config	Army	U	TM	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-M-63026 (2) ... Manual, Technical, for Army Aircraft No S/V Provisions	15 APR 72	Config	Army	U	TM	TMSS	Gen	Gen	Gen	Gen	Gen
MIL-O-19838 (1) ... Oil Systems, Aircraft, Installation and Test of No S/V Provisions	04 APR 57	Propul/pwr*	Navy	U	AS	9150	Gen	Gen	Gen	Gen	Gen

* Also Pwr trains

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-O-27210D (2) ... Oxygen, Aviators Breathing, Liquid and Gas No S/V Provisions	30 MAR 72	Env cont	USAF/Navy	U	68	683G	Gen	Gen	Gen	Gen	Gen
MIL-O-38338C ... Oil Quantity Gaging System, Continuous Transistorized Nucleonic, General Specification for 1-Scope; 2-Ref Documents; 3.8.2-Containment of Gas Under Emergency Conditions; 4-Tests; 6.1-Intended Use	13 MAY 71	Propul/pwr	USAF	U	11	6680	Gen	Gen	None	Gen	Gen
MIL-O-55310 ... Oscillator, Crystal, General Specification for No S/V Provisions	04 DEC 70	Avionics	Triservice	U	EL	5955	Gen	Gen	Gen	Gen	Gen
MIL-P-5238B ... Pump, Centrifugal, Fuel Booster, Aircraft, General Specification for No S/V Provisions	02 FEB 61	Fuel sys	Triservice	U	11	2915	Gen	Gen	Gen	Gen	Gen
MIL-P-5518C(USAF) Interim Amendment 1 Pneumatic Systems, Aircraft, Design, Installation, and Data Requirements for 1-Airborne or Ground Charged Sys; 2-Ref Documents; 3.6.2-Separation of Lines, 3.8.1.1-Gunfire Test of Structural Members Used As Reservoir; 4.1-Intended Use	09 JUL 62 03 DEC 68	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	None	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-P-5954A (1) ... Pump Unit, Hydraulic, Electric Motor Driven Fixed Displacement No S/V Provisions	08 SEP 55 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-P-5994C ... Pump, Hydraulic, Electric Motor Driven, Variable Delivery, General Specification for No S/V Provisions	03 MAY 72 ...	Fluid pwr	Triservice	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-P-6525A Notice 1 Pump, Fuel Transfer, Air-To-Air Refueling, General Specification for No S/V Provisions	11 DEC 52 31 OCT 55	Fuel sys	USAF/Navy	U	11	2915	Gen	Gen	Gen	Gen	Gen
MIL-P-7858 (2) ... Pump, Hydraulic, Power Driven, Fixed Displacement No S/V Provisions	17 APR 56 ...	Fluid pwr	Triservice	U	84	4320	Gen	Gen	Gen	Gen	Gen
MIL-P-8045B (3) ... Plastic, Self-Sealing and Non-Self-Sealing Tank Backing Material No S/V Provisions	22 FEB 74 ...	Config*	Triservice	U	AS	8030	Gen	Gen	Gen	Gen	Gen

* Also Fuel sys

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Deficiencies

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MIL-P-8564D(ASG) ... Pneumatic System Components, Aeronautical, General Specification for No S/V Provisions	18 NOV 70	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-P-8686(ASG) ... Power Units, Aircraft Auxiliary, Gas-Turbine Type, General Specification for No S/V Provisions	04 NOV 55	Propul/pwr	Triservice	U	AS	2835	Gen	Gen	Gen	Gen	Gen
MIL-P-18617 ... Propellant, Double-Base, Type N-2 (JPN) No S/V Provisions	30 JUN 55	Propul/pwr	Navy	U	AS	1376	Gen	Gen	Gen	Gen	Gen
MIL-P-19692B ... Pump, Hydraulic, Variable Delivery, General Specification for No S/V Provisions	03 JUL 63	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-P-23377C (1) ... Primer Coating, Epoxy-Polyamide, Chemical and Solvent Resistant No S/V Provisions	31 MAR 72	Structure	Triservice	U	AS	8010	Gen	Gen	Gen	Gen	Gen

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Deficiencies

Document Number Amend/s Title Provisions Cited	Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-P-26292C (3) ... Pitot and Static Pressure Systems, Installation and Inspection of No S/V Provisions	15 JUN 72	Crew sta	USAF/Army	U	11	6610	Gen	Gen	Gen	Gen	Gen
MIL-P-26366A ... Propeller Systems, Aircraft, General Specification for No S/V Provisions	15 NOV 62	Propul/pwr	Triservice	U	11	1610	Gen	Gen	Gen	Gen	Gen
MIL-P-26517A (5) ... Power Supply, Transformer-Rectifier, Aircraft, General Specification for No S/V Provisions	13 OCT 71	Elec pwr	USAF/Army	U	11	6130	Gen	Gen	Gen	Gen	Gen
MIL-P-81279 Supplement 1A Power Supply, Miniature, General Specification for No S/V Provisions	01 AUG 65 01 MAY 68	Elec pwr	Navy	U	AS	6110	Gen	Gen	Gen	Gen	Gen
MIL-P-81338 ... Power Supply, Transistorized, Direct Current, Regulated, General Specification for No S/V Provisions	18 NOV 65	Elec pwr	Navy	U	AS	6130	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-P-81653 ... Power Controller, Solid State, General Specification for No S/V Provisions	17 NOV 69 ...	Elec pwr	Navy	U	AS	6110	Gen	Gen	Gen	Gen	Gen
MIL-P-83126 ... Propulsion System, Aircraft Crew Emergency Escape/Eject, General Design Specification for No S/V Provisions	15 MAY 73 ...	Crew sta	USAF/Army	U	11	1377	Gen	Gen	Gen	Gen	Gen
MIL-Q-9858A ... Quality Program Requirements No S/V Provisions	16 DEC 63 ...	Config	Triservice	U	01	MISC	Gen	Gen	Gen	Gen	Gen
MIL-R-5757F (4) ... Relay, Electrical (For Electronic and Communication Type Equipment) General Specification for No S/V Provisions	17 APR 73 ...	Elec pwr	Triservice	U	EC	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-6003A ... Regulator, Turbosupercharger, General Specification for No S/V Provisions	24 OCT 51 ...	Propul/pwr	Triservice	U	71	2950	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-R-6106F (1) ... Relay, Electric, Aerospace, General Specification for No S/V Provisions	27 JAN 70 ...	Elec pwr	U ^c AF/Navy	U	80	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-6809 Notice 1 Regulator, Voltage, 30-Volt, Direct Current Generator, General Specification for No S/V Provisions	14 JUL 50 14 DEC 55	Elec pwr	Triservice	U	AS	2925	Gen	Gen	Gen	Gen	Gen
MIL-R-7705A ... Radome, General Specification for No S/V Provisions	12 JAN 55 ...	Avionics	USAF/Navy	U	11	5840	Gen	Gen	Gen	Gen	Gen
MIL-R-8236C ... Reel, Shoulder Harness, Inertial Lock No S/V Provisions	30 JUN 65 ...	Crew sta	Triservice	U	AV	1680	Gen	Gen	Gen	Gen	Gen
MIL-R-8573A(ASG) (4) ... Reservoir, Air, Nonshatterable Steel 1-Types & Class; 2-Ref Documents: 3.4.1-Wall Thickness Gunfire Rqmts Not Considered; 4.4.1.1-Gunfire Conditions, 4.4.1.1.3-Gunfire Requirements: 6.1-Intended Use	14 MAR 68 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Spec	None	Gen

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MIL-R-8931 (1) ... Reservoirs, Aircraft and Missile, Hydraulic, Separated Type No S/V Provisions	10 MAY 72	Fluid pwr	Triservice	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-R-9208B ... Repair Material, For Self-Sealing Fuel Tanks No S/V Provisions	07 JUL 68	Fuel sys	Navy	U	AS	9320	Gen	Gen	Gen	Gen	Gen
MIL-R-9345 (1) ... Regulator, Air Pressure, Aircraft Cabin, General Specification for No S/V Provisions	08 FEB 57	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-R-19648B (2) ... Relay, Time Delay, Thermal, General Specification for No S/V Provisions	29 NOV 71	Elec pwr	Triservice	U	EC	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-19759A ... Regulator, Voltage, 28V, 120 Deg C, for 30V Direct Current Generator, General Specification for No S/V Provisions	31 MAR 58	Elec pwr	USAF/Navy	U	AS	2925	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-R-23761 ... Regulator, Voltage, Static, 28 V Direct Current Generator, General Specification for No S/V Provisions	07 MAY 63 ...	Elec pwr	Navy	U	AS	6110	Gen	Gen	Gen	Gen	Gen
MIL-R-25054 ... Regulator, Temperature, Aircraft-Cabin, General Specification for No S/V Provisions	18 MAY 56 ...	Env cont	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen
MIL-R-25532A (2) ... Rocket Motors, Aeronautical, General Specification for No S/V Provisions	05 MAR 65 ...	Crew sta*	USAF	U	12	1337	Gen	Gen	Gen	Gen	Gen
MIL-R-25533A ... Rocket Motor, Aeronautical, Model Specification for (Outline and Instructions for Preparation) No S/V Provisions	26 JUN 59 ...	Propul/pwr	USAF	U	12	1336	Gen	Gen	Gen	Gen	Gen
MIL-R-25572A ... Regulator, Oxygen, Automatic Pressure Breathing High Altitude, General Specification for No S/V Provisions	24 AUG 59 ...	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen

* Also Propul/pwr

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-R-25575A (1) Reducer, Oxygen Pressure, General Specification for No S/V Provisions	24 OCT 57	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-R-25916 (6) Regulator, Oxygen, Diluter-Demand, Automatic-Pressure-Breathing, General Specification for No S/V Provisions	24 OCT 68	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-R-27521A(USAF) Receptacle, Flying Boom, Aerial Refueling No S/V Provisor	24 JUN 71	Fuel sys	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen
MIL-R-28750 Relay, Solid State, Specification for No S/V Provisions	17 JUL 70	Elec pwr	Triservice	U	EC	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-28769 Relay, Electrical, Photosensitive, (For Control and Communication Type Equipment), General Specification for No S/V Provisions	18 JUN 71	Elec pwr	Triservice	U	EC	5945	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-R-28776 ... Relay, Hybrid, General Specification for No S/V Provisions	30 DEC 71 ...	Elec pwr	Triservice	U	EC	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-50781 ... Resolver, Electrical, Linear, General Specification for No S/V Provisions	25 OCT 72 ...	Elec pwr	Triservice	U	MU	5990	Gen	Gen	Gen	Gen	Gen
MIL-R-83056(USAF) ... Rain Repellents, In-Flight Applied, Aircraft Windshield No S/V Provisions	23 JAN 69 ...	Env cont	USAF	U	11	6850	Gen	Gen	Gen	Gen	Gen
MIL-R-83178 (2) ... Regulator, Oxygen, Diluter-Demand, Auto-Pressure-Breathing, General Specification for No S/V Provisions	11 APR 72 ...	Env cont	USAF	U	11	1660	Gen	Gen	Gen	Gen	Gen
MIL-R-83309 ... Repair Material, Natrile, Fuel, Bladder, Aircraft No S/V Provisions	27 JAN 71 ...	Fuel sys	USAF	U	11	9320	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-R-83368 (1) ... Relay, Electromagnetic, Emi Suppressed, General Specification for No S/V Provisions	01 JUN 72 ...	Elec pwr	USAF	U	11	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-83372 ... Relay, Electromagnetic, Hybrid, Emi Suppressed, General Specification for No S/V Provisions	31 MAY 72 ...	Elec pwr	USAF	U	11	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-83407 ... Relay, Reed (Mercury Wetted) General Specification for No S/V Provisions	26 DEC 72 ...	Elec pwr	USAF	U	11	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-83725A ... Relay, Vacuum, General Specification for No S/V Provisions	12 FEB 70 ...	Elec pwr	Triservice	U	80	5945	Gen	Gen	Gen	Gen	Gen
MIL-R-83726 ... Relay, Time Delay, Electric and Electronic, General Specification for No S/V Provisions	24 SEP 69 ...	Elec pwr	Triservice	U	80	5945	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-3786D Supplement 1 Switch, Rotary (Circuit Selector, Low-Current Capacity), General Specification for No S/V Provisions	07 JUN 73 07 JUN 73	Elec pwr	Triservice	U	80	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-3928C ... Switch, (Coaxial), Radio Frequency Transmission Line, General Specification for No S/V Provisions	22 AUG 73 ...	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-S-3950E (1) Supplement 1B Switch, Toggle, General Specification No S/V Provisions	03 OCT 72 12 APR 73	Elec pwr	Triservice	U	80	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-4040D (1) ... Solenoid, Electrical, General Specification for No S/V Provisions	02 FEB 71 ...	Elec pwr	Triservice	U	80	5945	Gen	Gen	Gen	Gen	Gen
MIL-S-5002C ... Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems No S/V Provisions	26 JUL 71 ...	Structure	Triservice	U	AS	MFFP	Gen	Gen	Gen	Gen	Gen

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MIL-S-5676A (1) ... Splicing, Cable Terminal, Process for Aircraft No S/V Provisions	21 APR 53 ...	Flt cont	USAF/Navy	U	84	5130	Gen	Gen	Gen	Gen	Gen
MIL-S-6144A ... Sound and Thermal Insulation for Aircraft General Specification for Installation of 1-Scope: 2-Ref Documents; 3.6-Fire Resistance Per MIL-I-7171; 4-Inspection; 6.1-Intended Use	12 MAY 66 ...	Env cont	Triservice	U	AS	1560	Gen	None	None	Gen	Gen
MIL-S-6625A ... Spray Equipment, Aircraft Windshield, Anti-Icing No S/V Provisions	26 MAR 53 ...	Env cont	USAF/Navy	U	AS	6850	Gen	Gen	Gen	Gen	Gen
MIL-S-6807D ... Switch, Rotary, Selector Power, General Specification for No S/V Provisions	25 SEP 68 ...	Elec pwr	Triservice	U	80	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-7470 ... Shaft, Power Transmission, Aircraft Accessory, General Specification for No S/V Provisions	13 JAN 53 ...	Pwr trains	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-7848C ... Starter, Engine, Air Turbine Type, General Specification for No S/V Provisions	28 JUL 58 ...	Propul/pwr	Navy	U	AS	2995	Gen	Gen	Gen	Gen	Gen
MIL-S-8698(ASG) (1) ... Structural Design Requirements, Helicopters No S/V Provisions	28 FEB 58 ...	Structure	USAF/Navy	U	AS	1520	Gen	Gen	Gen	Gen	Gen
MIL-S-8710B ... Strainer, Aircraft Fuel System, General Specification for No S/V Provisions	10 JUL 69 ...	Fuel sys	Triservice	U	11	2915	Gen	Gen	Gen	Gen	Gen
MIL-S-8784B ... Sealing Compound, Low Adhesion, for Removable Panels and Fuel Tank Inspection Plates No S/V Provisions	12 APR 71 ...	Fuel sys	Triservice	U	84	8030	Gen	Gen	Gen	Gen	Gen
MIL-S-8805C (2) ... Switches and Switch Assemblies, Sensitive and Push, Snap Action, General Specification for No S/V Provisions	16 FEB 71 ...	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-8812C ... Steering System, Aircraft General Requirements for 1-General Requirements for Steering System; 2-Ref Documents: 3:2-Design Per MIL-H-5440; 4-Test and Inspection; 6-Intended Use	16 JAN 69 ...	Launch/rec	Triservice	U	11	1620	Gen	Gen	Spec	Gen	Gen
MIL-S-8932 ... Switch, Pressure, Aircraft. General Specification for No S/V Provisions	28 JAN 65 ...	Elec pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-S-8959 ... Spring, Hydraulic, General Specification for No S/V Provisions	14 JUN 65 ...	Launch/rec	USAF/Navy	U	11	1620	Gen	Gen	Gen	Gen	Gen
MIL-S-9395D ... Switch., Pressure (Absolute Gauge and Differential), General Specification for No S/V Provisions	11 APR 73 ...	Elec pwr	Triservice	U	80	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-9479B (1) ... Seat System, Upward Ejection, Aircraft. General Specification for No S/V Provisions	20 OCT 71 ...	Crew sta	Triservice	U	11	1680	Gen	Gen	Gen	Gen	Gen

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												None	None
MIL-S-11356D (1)	13 APR 62	Armor mtl	USAF/Army	U	MR	9515	None	None	None	None	None	None	None
...	...												
Steel Armor, Cast, Homogeneous, Combat-Vehicle Type (1/4 to 12 Inches, Inclusive)													
1-Classification; 2-Ref Documents; 3.1.8-Ballistic Rqmts, 3.2.5-Ballistic Rqmts for Class I Cast Armor; 4.4.1.1, 4.4.2.4.3, 4.6.1.5, 4.6.2.3.4, and 4.7.2.2.4-Ballistic Testing; 6.1-Intended Use													
MIL-S-12560B (1)	16 FEB 67	Armor mtl	Army	U	MR	9515	None	Gen	None	Gen	Gen	Gen	Gen
...	...												
Steel Armor, Plate, Wrought, Homogeneous, Combat-Vehicle Type (1/4 to 6 Inches, Inclusive)													
1-Classification; 2-Ref Documents; 3.2.6-Ballistic Resistance Class-I Armor; 4.6.4-Ballistic Tests; 6.5-Definitions													
MIL-S-18471D (3)	20 APR 71	Crew sta	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen	Gen	Gen
...	...												
System, Aircrew Automated Escape. Ejection Seat Type, General Specification for No S/V Provisions													
MIL-S-19500E (4)	08 JAN 73	Avionics	Triservice	U	EC	5961	Gen	Gen	Gen	Gen	Gen	Gen	Gen
Supplement 1F	15 AUG 73												
Semiconductor Device, General Specification for No S/V Provisions													
MIL-S-19557C	11 SEP 72	Propul/pwr	Navy	U	AS	2995	Gen	Gen	Gen	Gen	Gen	Gen	Gen
...	...												
Starter, Aircraft Engine, Air Turbine No S/V Provisions													

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Document Number Amend/sup Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-20708C (2) ... Synchro, General Specification for No S/V Provisions	27 AUG 69 ...	Avionics	Triservice	U	AS	5990	None	None	None	None	None
MIL-S-21277A ... Switch, Liquid Level, General Specification for No S/V Provisions	09 OCT 61 ...	Elec pwr	Navy	U	AS	6680	Gen	Gen	Gen	Gen	Gen
MIL-S-22432 ... Servomotor, General Specification No S/V Provisions	15 MAR 63 ...	Avionics	Triservice	U	AS	6105	Gen	Gen	Gen	Gen	Gen
MIL-S-22518 (1) ... Starter and Accessory Drive, Combination, Aircraft Engine, Air Turbine, Specification for No S/V Provisions	01 JUN 62 ...	Propul/pwr	Navy	U	AS	2995	Gen	Gen	Gen	Gen	Gen
MIL-S-22710D ... Switch, Rotary (Printed Circuit), (Thumbwheel, Inline, and Pushbutton), General Specification for No S/V Provisions	15 DEC 72 ...	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-22885C Supplement 1 Switch, Push Button, Illuminated. General Specification for No S/V Provisions	06 JUL 71 06 JUL 71	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-23535 ... System, Integrated Flight Instrumentation No S/V Provisions	01 APR 63 ...	Crew sta	Navy	U	AS	6610	Gen	Gen	Gen	Gen	Gen
MIL-S-24236B ... Switch, Thermostatic, (Metallic and Bimetallic), General Specification for No S/V Provisions	26 APR 72 ...	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-24286 (2) ... Steel Armor Plate, Wrought, High-Hardness 1-Lightweight; 2-Ref Documents; 3-7-Ballistic Properties, 3.1.1-Ballistic Test Plate Information; 4.4.1.1-Ballistic Test Samples; 6.3-Ballistic Definitions	16 DEC 68 ...	Armor mtl	Navy	U	SH	9515	None	Gen	Gen	Gen	Gen
MIL-S-24317 Supplement 1A Switch, Multistation. Pushbutton, (Illuminated and Nonilluminated), General Specification for No S/V Provisions	15 MAR 68 25 AUG 72	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-24329A Switch, Stepping, Rotary, General Specification for No S/V Provisions	12 FEB 73	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-25057A Screen System, Air Inlet, Aircraft Turbine Engine, General Specification for I-Scope: 2-Ref Documents: 3.6.3(A) 7.6.2MM Empty Cartridge Case Impact Strength: 4.6.8-Object Retention, 4.6.10-Impact Resistance: 6.1-Intended Use	29 OCT 69	Propul/pwr	USAF	U	11	2840	Gen	Gen	None	None	None
MIL-S-25980A Switch, Float, Aircraft Fuel Level, General Specification for No S/V Provisions	15 JUN 65	Fuel sys	USAF	U	82	2915	Gen	Gen	Gen	Gen	Gen
MIL-S-26390A(USAF) Switch Assemblies, Pressure Fuel No S/V Provisions	20 MAY 69	Fuel sys	USAF	U	11	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-27172 Sensing Device, Airspeed, Escape System, Specification for No S/V Provisions	23 JUL 59	Crew sta	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-27266A	08 JUN 71	Propul/pwr	USAF	U	11	2995	Gen	Gen	Gen	Gen	Gen
...	...										
Starter, Engine, Cartridge and Pneumatic, Shaft Drive, General Specification for No S/V Provisions											
MIL-S-28705 (1)	04 APR 69	Elec pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen
...	...										
Switch, Leaf Spring (Pile-Up Contacts) (Lever, Push, Turn) (Illuminated), General Specification for No S/V Provisions											
MIL-S-28788	30 JUN 72	Fluid pwr	Triservice	U	EC	5930	Gen	Gen	Gen	Gen	Gen
...	...										
Switch, Air and Liquid Flow Sensing, General Specification for No S/V Provisions											
MIL-S-38249 (2)	19 NOV 68	Structure	USAF	U	11	8030	None	None	None	None	None
...	...										
Sealing Compound, Firewall 1-Flame Resistant; 2-Ref Documents; 3.3.1.2-Flame Resistant Self Extinguishing; 4.7.1.1-Flame Resistant Test; 6.1-Intended Use Suitable For Flash Temperatures Up to 2,000°F											
MIL-S-38399	16 FEB 65	Propul/pwr	USAF/Army	U	11	2995	Gen	Gen	Gen	Gen	Gen
...	...										
Starter, Pneumatic, Aircraft Engine, General Specification for No S/V Provisions											

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-46099A ... Steel Armor Plate, Roll-Bonded, Dual Hardness 1-Lightweight; 2-Ref Documents; 3.6-Ballistic Resistance; 4.4.1.1-Preproduction Ballistic Test Samples, 4.5.4-Production Ballistic Test Samples. 4.7.1-Ballistic Test Plates; 6.1-Intended Use	15 NOV 66 ...	Armor mtl	Triservice	U	MR	9515	None	Gen	None	None	None
MIL-S-55433A (2) ... Switch Capsules, Dry Reed Type, General Specification for No S/V Provisions	22 NOV 71 ...	Elec pwr	Triservice	U	EL	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-58095 ... Seat System, Crashworthy, Nonejection, Aircrew, General Specification for No S/V Provisions	27 AUG 71 ...	Crew sta	Army	U	AV	1680	Gen	Gen	Gen	Gen	Gen
MIL-S-81018A ... Survival Kit Container, Aircraft Seat, With Oxygen, General Specification for 1-Rigid Seat Survival Kit; 2-Ref Documents; 3.5.2.7.1.1-Emergency Oxygen Cylinder Per MIL-C-7905; 4-No Tests for Oxygen Cylinder; 6.1-Intended Use	05 AUG 66 ...	Crew sta	Navy	U	AS	1660	Gen	None	None	Gen	Gen
MIL-S-81551 Supplement 1A Switch, Toggle, Hermetically Sealed, General Specification for No S/V Provisions	14 JUN 68 05 MAR 70	Elec pwr	Triservice	U	AS	5930	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-81619A ... Switch, Solid State Transducer, General Specification for No S/V Provisions	08 OCT 69 ...	Elec pwr	Navy	U	AS	5930	Gen	Gen	Gen	Gen	Gen
MIL-S-81771 (1) ... Seat, Aircrew, Adjustable. Aircraft, General Specification for No S/V Provisions	11 MAR 71 ...	Crew sta	Navy	U	AS	1680	Gen	Gen	Gen	Gen	Gen
MIL-S-83249 ... Slide, Escape, Aircraft, Inflatable, General Specification for No S/V Provisions	11 FEB 70 ...	Pass/cargo	USAF	U	11	4240	Gen	Gen	Gen	Gen	Gen
MIL-S-83315 (1) ... Sealing Compound, Aluminum Structure, Pressure and Weather Sealing, Low Density No S/V Provisions	17 OCT 72 ...	Structure	USAF	U	11	8030	Gen	Gen	Gen	Gen	Gen
MIL-S-83395 ... Switch, Integral, Proximity, Sealed, General Specification for No S/V Provisions	06 OCT 72 ...	Elec pwr	USAF	U	11	5930	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-S-83731 Supplement 1B Switch, Toggle, Unsealed and Sealed Toggle, General Specification for No S/V Provisions	16 MAR 72 12 APR 73	Elec pwr	Triservice	U	80	5930	Gen	Gen	Gen	Gen	Gen
MIL-T-27C (1) ... Transformer and Inductor (Audio, Power, and High Power Pulse), General Specification for No S/V Provisions	14 OCT 69 ...	Elec pwr	Triservice	U	EL	5950	Gen	Gen	Gen	Gen	Gen
MIL-T-781B (1) ... Terminal, Wire Rope Swaging No S/V Provisions	24 MAY 65 ...	Launch/rec	Triservice	U	69	4030	Gen	Gen	Gen	Gen	Gen
MIL-T-5029 Notice 1 Tests: Aircraft Armament Installations and Accessories, Standard Minimum Proof 1.1-Determine Adequacy of Armament Installation; 2-Not Applicable; 3.1-Inspection of Armor Installation; 4-Not Applicable; 6.2-Intended Use	24 AUG 49 15 DEC 53	Armament	USAF/Navy	U	18	4925	None	None	None	None	None
MIL-T-5091 ... Transmission, Power, Constant Ratio. General Specification (Aircraft Use) No S/V Provisions	01 DEC 49 ...	Pwr trains	Navy	U	AS	3040	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-T-5350D (1) ... Transmitter, Synchro Operated. Aircraft, General Specification for No S/V Provisions	18 JUN 70 ...	Avionics	Triservice	U	11	6620	Gen	Gen	Gen	Gen	Gen
MIL-T-5422F ... Testing. Environmental, Aircraft Electronic Equipment No S/V Provisions	30 NOV 71 ...	Env cont*	Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
MIL-T-5522C ... Test Procedure for Aircraft Hydraulic and Pneumatic Systems, General No S/V Provisions	25 MAR 66 ...	Fluid pwr	Triservice	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-T-5578C (2) ... Tank. Fuel. Aircraft, Self-Sealing 1-Protection Levels; 2-Ref Documents; 3.5(D)-Hydraulic Surge Due to Gunfire; 4.6.5.3-Gunfire Resistance Phase I Cells, 4.6.12-Gunfire Resistance on Tank Installation; 6.1-Intended Use	15 NOV 68 ...	Fuel sys	Triservice	U	11	1560	None	Gen	None	None	None
MIL-T-5579 (1) ... Tank. Self-Sealing Oil, Aircraft 1-Types, Class & Style; 2-Ref Documents; 3.2(D)-Hydraulic Surge Due to Gunfire; 4.3.2.2.2-Aged Gunfire Resistance Test, 4.4.2.6-Gunfire Resistance Test on Installation; 6-Intended Use	14 JUN 56 ...	Propul/pwr**	Triservice	U	AS	1560	Gen	Gen	None	None	None

* Also Armament
** Also Pwr trains

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-T-5583B ... Transmitter, Position, 28-Volt Direct Current No S/V Provisions	24 SEP 63 ...	Flt cont	Triservice	U	71	6610	Gen	Gen	Gen	Gen	Gen
MIL-T-5683A ... Terminals, Tie Rod, Threaded Clevis Type, Aircraft No S/V Provisions	16 MAY 50 ...	Flt cont	USAF/Navy	U	AS	5985	Gen	Gen	Gen	Gen	Gen
MIL-T-5842A (1) ... Transparent Areas, Anti-Icing, Defrosting, and Defogging Systems, General Specification for 1-Scope; 2-Ref Documents; 3-3-Gunfire Damage Shall Not Create a Hazard to Aircraft Operation; 4-Tests; 6.1-Intended Use	13 JUL 53 ...	Env cont	Triservice	U	11	1650	Gen	Gen	None	Spec	None
MIL-T-5955C ... Transmission System, VTOL-STOL, General Requirements for No S/V Provisions	17 SEP 70 ...	Pwr trains	Triservice	U	10	1615	Gen	Gen	Gen	Gen	Gen
MIL-T-6053B(USAF) ... Tests, Impact, Shock Absorber Landing Gear, Aircraft No S/V Provisions	26 OCT 67 ...	Launch/rec	USAF	U	11	4920	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-T-6396C ... Tank, Fuel, Oil, Water-Alcohol, Coolant Fluid, Aircraft, Non-Self-Sealing, Removable I-Classification Types; 2-Ref Documents; 3-Rqmts; 4.6.19 and 4.6.24-Gunfire Tests Using .50 Cal and 20MM Projectiles; 6.1-Intended Use	07 JUN 65 ...	Fuel sys	USAF/Navy	U	11	1560	Gen	Gen	Spec	None	None
MIL-T-7101A ... Transmission, Power, Constant Speed, General Specification (Aircraft Use) No S/V Provisions	20 NOV 51 ...	Pwr trains	Navy	U	AS	3040	Gen	Gen	Gen	Gen	Gen
MIL-T-7378A (4) ... Tank, Fuel, Aircraft, External, Auxiliary, Removable No S/V Provisions	24 DEC 63 ...	Fuel sys	USAF	U	11	1640	Gen	Gen	Gen	Gen	Gen
MIL-T-8679 ... Test Requirements, Ground, Helicopter No S/V Provisions	05 MAR 54 ...	Config	Triservice	U	AS	1520	Gen	Gen	Gen	Gen	Gen
MIL-T-18606 (1) ... Test Procedures for Aircraft Environmental Systems No S/V Provisions	31 OCT 69 ...	Env cont	Navy	U	AS	1660	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-T-18607 Thermal Anti-Icing Equipment, Wing and Empennage No S/V Provisions	31 MAR 55	Env cont	Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-T-18847B (1) Tank, Fuel, Aircraft, Auxiliary External, Design and Installation of No S/V Provisions	10 JUN 68	Fuel sys	Navy	U	AS	1560	Gen	Gen	Gen	Gen	Gen
MIL-T-21038C (2) Supplement 1 Transformer, Pulse, Low Power, General Specification for No S/V Provisions	11 AUG 72 23 JAN 74	Elec pwr	Triservice	U	EC	5950	Gen	Gen	Gen	Gen	Gen
MIL-T-22821B Tachometer-Generator, AC, General Specification for No S/V Provisions	18 APR 69	Avionics	Triservice	U	AS	6680	Gen	Gen	Gen	Gen	Gen
MIL-T-25363C Tank Pneumatic Pressure, Aircraft, Glass Fiber 1-Scope; 2-Ref Documents: 3.4.7-Gunfire Test Tank Shall Remain in One Piece; 4.4.3-Gunfire Test for Qualification, 4.6.8 Thru 4.6.8.4-Gunfire Test Rqmts: 6.1-Intended Use	02 JUN 69	Fluid pwr	USAF	U	71	1650	Gen	Gen	None	None	None

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MIL-T-25435A (1) ... Transmitter, Pressure, Aircraft, Variable Reluctance Type, General Specification for No S/V Provisions	02 JUL 68 ...	Fluid pwr	USAF	U	11	6620	Gen	Gen	Gen	Gen	Gen
MIL-T-25783C ... Tank, Fuel, Aircraft and Missile Non-Self-Sealing, High Temperature I-Classification: 2-Ref Documents: 3.6(D)-Hydraulic Surge Due to Gunfire; 4-Tests; 6.1-Intended Use	31 MAR 66 ...	Fuel sys	USAF/Navy	U	11	1560	None	None	Gen	Spec	None
MIL-T-27422B (1) ... Tank, Fuel, Crash Resistant, Aircraft I.2-Classification and Protection Levels: 2-Ref Documents: 3.5(D)-Hydraulic Surge Due to Gunfire; 4.6.6.4-Gunfire Resistance on Phase I Cites, 4.6.7.8-Gunfire Resistance on Installation	13 APR 71 ...	Fuel sys	Triservice	U	11	1560	None	Gen	Gen	None	None
MIL-T-27493A ... Transformer, Variable, Single Phase 400 Cycles, General Specification for No S/V Provisions	30 OCT 64 ...	Elec pwr	USAF/Navy	U	11	5950	Gen	Gen	Gen	Gen	Gen
MIL-T-39013A ... Transformers and Inductors (Audio and Power) Established Reliability, General Specification for No S/V Provisions	02 MAR 70 ...	Elec pwr	Triservice	U	EL	5950	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-T-46077A ... Titanium Alloy Armor Plate, Weldable 1-Wrought Titanium; 2-Ref Documents; 3.4-Ballistic Properties; 4.4.1.1-Preproduction Ballistic Test Samples, 4.7.1-Ballistic Tests; 6.2 Thru 6.6-Ballistic Definitions	28 JUN 68 ...	Armor mtl	Triservice	U	MR	9535	None	Gen	None	None	None
MIL-T-46098A ... Tile, Ceramic, Alumina, High Strength 1-For Lightweight Composite Armor; 2-Ref Documents; 3-Material Requirements; 4-Tests; 6-Intended Use	29 SEP 67 ...	Armor mtl	Triservice	U	MR	9350	None	None	None	None	None
MIL-T-81838 ... Tank, Fuel, Aircraft, Auxiliary External 300 Gallon, Type Aero-1D No S/V Provisions	30 NOV 71 ...	Fuel sys	Navy	U	AS	1560	Gen	Gen	Gen	Gen	Gen
MIL-T-83275 ... Tank, Bulk Fuel, Air Delivery 1-Classification; 2-Ref Documents; 3.4.2(D)-Impact by Foreign Object; 4.6.17-Gunfire Phase I, 4.6.21-Gunfire Phase II; 6.1-Intended Use	17 JUN 70 ...	Fuel sys	USAF	U	11	4930	Gen	Gen	None	Gen	Gen
MIL-T-83720 (1) ... Transformer and Inductors, Non-Explosive, General Specification for No S/V Provisions	19 APR 71 ...	Elec pwr	USAF	U	80	5950	Gen	Gen	Gen	Gen	Gen

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MIL-T-83727 (1) ... Transolver, General Specification for No S/V Provisions	18 DEC 70 ...	Avionics	Triservice	U	80	5990	Gen	Gen	Gen	Gen	Gen
MIL-V-5379A (1) ... Valve, Safety, Cabin Air, General Specification for No S/V Provisions	10 SEP 57 ...	Env cont	USAF/Navy	U	17	1660	Gen	Gen	Gen	Gen	Gen
MIL-V-5519C (1) ... Valves, Aircraft Hydraulic Unloading No S/V Provisions	05 AUG 64 ...	Fluid pwr	Triservice	U	71	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-5525C (1) ... Valves, Aircraft Power Brake No S/V Provisions	21 JAN 74 ...	Launch/rec	Triservice	U	AS	1630	Gen	Gen	Gen	Gen	Gen
MIL-V-5527A ... Valves, Aircraft, Hydraulic Thermal Expansion Relief No S/V Provisions	14 MAY 51 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen

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MIL-V-5528A ... Valves, Hydraulic Controllable Check No S/V Provisions	26 SEP 51 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-5530C ... Valves, Aircraft Hydraulic Shuttle No S/V Provisions	19 SEP 73 ...	Fluid pwr	Triservice	U	71	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-6164C ... Valve, Aircraft, Air, High-Pressure No S/V Provisions	02 JUN 70 ...	Fluid pwr	Triservice	U	71	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-7908B ... Valves, Check, Aircraft Low Pressure Oxygen Systems No S/V Provisions	30 JAN 74 ...	Env cont	Triservice	U	71	1660	Gen	Gen	Gen	Gen	Gen
MIL-V-8608A (2) ... Valves, Fuel Shutoff. Electric Motor Operated No S/V Provisions	09 NOV 66 ...	Fuel sys	Triservice	U	11	2915	Gen	Gen	Gen	Gen	Gen

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MIL-V-8813 ... Valve, Aircraft, Hydraulic Pressure Relief, Type II Systems No S/V Provisions	20 NOV 57 ...	Fluid pwr	USAF/Navy	U	71	4820	Gen	Gen	Gen	Gen	Gen
MIL-V-19067A ... Valve, Aircraft Hydraulic Controllable Check (Type II Systems) No S/V Provisions	30 APR 57 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-19068A ... Valves, Shuttle, Hydraulic Aircraft, Type II Systems No S/V Provisions	30 APR 57 ...	Fluid pwr	USAF/Navy	U	AS	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-25023B (2) ... Valve, Fuel Drain, Self-Locking No S/V Provisions	08 JUL 69 ...	Fuel sys	Triservice	U	11	2915	Gen	Gen	Gen	Gen	Gen
MIL-V-25514C (1) ... Valve, Oxygen Check, for 70-psi Oxygen Converters No S/V Provisions	19 SEP 72 ...	Env cont	USAF	U	71	1660	Gen	Gen	Gen	Gen	Gen

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Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-V-25675B (4) ... Valves, Check, Miniature, Hydraulic, Aircraft and Missile No S/V Provisions	02 MAY 72	Fluid pwr	Triservice	U	11	1650	Gen	Gen	Gen	Gen	Gen
MIL-V-25962B ... Valve, Liquid Oxygen Drain No S/V Provisions	26 SEP 73	Env cont	USAF	U	71	1660	Gen	Gen	Gen	Gen	Gen
MIL-V-27162A ... Valve, Servo Control, Electro-Hydraulic, General Specification for No S/V Provisions	19 JAN 73	Fluid pwr	USAF	U	11	6615	Gen	Gen	Gen	Gen	Gen
MIL-V-27393A ... Valve, Safety, Fuel Cell Fitting, Crash Resistant, General Specification for 1-Classification; 2-Ref Documents; 3.6.2.1-Hydraulic Surge Due to Gunfire; 4.8-Test; 6.1-Intended Use	24 FEB 64	Fuel sys	Army/Navy	U	11	1560	Gen	Gen	Gen	Spec	None
MIL-V-38003 ... Valves, Fuel Level Control, Fuel Tank, Aircraft General Specification for No S/V Provisions	19 MAY 66	Fuel sys	Triservice	U	11	4820	Gen	Gen	Gen	Gen	Gen

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MIL-V-38398 ... Valve, Starter Control, Aircraft Engine, General Specification for No S/V Provisions	16 FEB 65 ...	Propul/pwr	Triservice	U	11	2995	Gen	Gen	Gen	Gen	Gen
MIL-W-85F ... Waveguide, Rigid, Rectangular, General Specification for No S/V Provisions	18 SEP 72 ...	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-W-3970A Supplement 1 Waveguide Assemblies, Rigid, General Specification for No S/V Provisions	18 SEP 63 15 OCT 63	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-W-5013H (1) ... Wheel and Brake Assemblies, Aircraft No S/V Provisions	14 SEP 71 ...	Launch/rec	Triservice	U	11	1630	Gen	Gen	Gen	Gen	Gen
MIL-W-5088E (1) ... Wiring, Aircraft, Selection and Installation of No S/V Provisions	07 JUN 73 ...	Elec pwr	Triservice	U	AS	1500	Gen	Gen	Gen	Gen	Gen

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-W-5424B (1) Wire Rope, Steel (Corrosion-Resisting) Flexible, Preformed (For Aeronautical Use) No S/V Provisions	10 JAN 72	Flt cont*	Triservice	U	82	4010	Gen	Gen	Gen	Gen	Gen
MIL-W-7233A Windshield Wiper System, Electric, Aircraft, General Requirements for No S/V Provisions	01 DEC 71	Env cont	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen
MIL-W-7622B Weapon Systems, Guided Missiles, General Specification for 1-Scope, 2-Ref Documents; 3.5-Vulnerability to Countermeasures; 4-Tests; 6-Notes	13 MAY 65	Armament	Triservice	U	AS	14GP	Gen	Gen	None	Gen	None
MIL-W-8160D (1) Wiring, Guided Missile, Installation of, General Specification for No S/V Provisions	24 DEC 63	Armament	Triservice	U	11	1420	Gen	Gen	Gen	Gen	Gen
MIL-W-13855D Weapon, Small Arms and Aircraft Armament Subsystems, General Specification for No S/V Provisions	21 FEB 72	Armament	Triservice	U	WC	1005	Gen	Gen	Gen	Gen	Gen

Also Launch/rec

Deficiencies

Document Number Amend/supp Title Provisior.s Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-W-23351 ... Waveguides, Single and Double Ridged (Bandwidth Ratios 3.6:1 and 2.4:1), General Specification for No S/V Provisions	09 JUN 62 ...	Avionics*	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-W-81560 ... Weapon, Biological and Chemical, General Design Specification for 1-Design Objectives; 2-Ref Documents; 3-Requirements; 4.5.7-Bullet Sensitivity Test .50 Cal M-2 API; 6.1-Intended Use	12 SEP 67 ...	Armament	Navy	U	AS	13GP	Gen	Gen	Spec	None	None
MIL-W-81752 ... Windshield System, Fixed Wing Aircraft, General Specification for 1-Scope; 2-Ref Documents; 3.6.6.2-Ballistic Impact Resistance of Forward Windshield and Side Windows; 4-Tests; 6.1.1-Intended Use	23 APR 70 ...	Crew sta	Navy	U	AS	1560	Gen	Gen	None	Spec	None
MIL-STD-109B ... Quality Assurance Terms and Definitions No S/V Provisions	04 APR 69 ...	Config	Triservice	U	SH	MISC	Gen	Gen	Gen	Gen	Gen
MIL-STD-143B ... Standards and Specifications, Order of Precedence for the Selection of No S/V Provisions	12 NOV 69 ...	Config	Triservice	U	11	MISC	Gen	Gen	Gen	Gen	Gen

* Also Armament

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MIL-STD-188C ... Military Communication System Technical Standards No S/V Provisions	24 NOV 69	Avionics	Triservice	U	EL	MISC	Gen	Gen	Gen	Gen	Gen
MIL-STD-203E ... Aircrew Station Controls and Displays for Fixed Wing Aircraft No S/V Provisions	01 AUG 67	Crew sta*	Triservice	U	AS	1510	Gen	Gen	Gen	Gen	Gen
MIL-STD-250C ... Aircrew Station Controls and Displays for Rotary Wing Aircraft No S/V Provisions	08 JUL 68	Crew sta	Triservice	U	11	1520	Gen	Gen	Gen	Gen	Gen
MIL-STD-401B ... Sandwich Constructions and Core Materials, General Test Methods No S/V Provisions	26 SEP 67	Structure	Triservice	U	AS	5680	Gen	Gen	Gen	Gen	Gen
MIL-STD-446B ... Environmental Requirements for Electronic Parts 1-Nuclear Radiation (Pulse); 2-Ref Documents; 5.1(P) Thru (U)-Nuclear Radiation; 6.18 Thru 6.22-Nuclear Radiation	02 SEP 70	Env cont	Triservice	U	11	MISC	None	Gen	None	None	None

* Also Env cont

Deficiencies

Document Number Amend./supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-STD-490 (1)	30 OCT 68	Config	Triservice	U	10	MISC	Gen	Gen	Gen	Gen	Gen
... Specification Practices No S/V Provisions	...										
MIL-STD-499 (1)	17 JUL 69	Config	USAF	U	10	MISC	Spec	Spec	Spec	Spec	Spec
... System Engineering Management No S/V Provisions	...										
MIL-STD-662B	23 JUL 71	Armor mtl	Triservice	U	MR	8470	None	None	None	None	None
... Ballistic Acceptance Test Method for Personal Armor Material 1-Establish Procedures to Determine VP50; 2-Ref Documents; 3-2-Test Methodology; 4-Test Equipment; 5-Detailed Requirements	...										
MIL-STD-698A	25 SEP 68	Launch/rec	Triservice	U	AV	2620	Gen	Gen	Gen	Gen	Gen
... Quality Standards for Aircraft Pneumatic Tires and Inner Tubes No S/V Provisions	...										
MIL-STD-721B	25 AUG 66	Config	Triservice	U	AS	MISC	Gen	None	Spec	None	None
Notice 1 Definition of Effectiveness Terms for Reliability, Maintainability, Human Factors, Safety 1-Give Terms a Common Meaning; 2-Not Applicable; 3-Definition of Survivability, None on Vulnerability; 4-Not Applicable; 6-Not Applicable	10 MAR 70										

Deficiencies

Document Number Amend/supp Title Provisions Cited	Date Date	Subsystem	Service	Class	Prep	FSC	Scope	Ref	Rqmt	QA	Def
MIL-STD-768	01 JUN 62	Structure	USAF/Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
... Instructions for Repair of Aircraft and Weapons Sandwich Structures, Part II, Metal Construction No S/V Provisions	...										
MIL-STD-768A	11 SEP 70	Structure	USAF/Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
... Instructions for Repair of Aircraft and Weapons Reinforced Plastic and Sandwich Structures No S/V Provisions	...										
MIL-STD-780D	01 JUL 72	Config	Navy	U	AS	MISC	Gen	Gen	Gen	Gen	Gen
... Work Unit Codes and Maintenance Engineering Analyses Control Numbers for Aeronautical Equipment! No S/V Provisions	...										
MIL-STD-801	27 MAY 59	Propul/pwr	Triservice	U	11	4730	Gen	Gen	Gen	Gen	Gen
... Acceptance Standards for Powerplant Fluid Tank Fittings No S/V Provisions	...										
MIL-STD-810B (4)	15 JUN 67	Config*	Triservice	U	11	MISC	Spec	Spec	Spec	Spec	Spec
... Environmental Test Methods No S/V Provisions	...										

* Also Fluid pwr and Armament

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MIL-STD-850B ... Aircrew Station Vision Requirements for Military Aircraft No S/V Provisions	03 NOV 70 ...	Crew sta	Triservice	U	11	1500	Gen	Gen	Gen	Gen	Gen
MIL-STD-872 ... Test Requirements and Procedures for Aircraft Emergency Ground and Ditch Escape Provisions No S/V Provisions	26 AUG 66 ...	Config	USAF	U	11	1500	Gen	Gen	Gen	Gen	Gen
MIL-STD-882 ... System Safety Program for Systems and Associated Subsystems and Equipment, Requirements for 5.8.2.1(9)-Safety From a Vulnerability and Survivability Standpoint by Use of Various Types Armor Fire Suppression Systems Subsystem Protection and System Redundancy	15 JUL 69 ...	Config	Triservice	U	10	MISC	Gen	Gen	None	Gen	Spec
MIL-STD-890 ... Environmental Control, Environmental Protection, and Engine Air Bleed Subsystem Analyses No S/V Provisions	07 JUL 70 ...	Env cont	USAF	U	11	MISC	Gen	Gen	Gen	Gen	Gen
MIL-STD-1247B ... Marking, Functions and Hazard Designations of Hose, Pipe, and Tube Lines for Aircraft No S/V Provisions	20 DEC 68 ...	Config	Triservice	U	MI	MISC	Gen	Gen	Gen	Gen	Gen

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MIL-STD-1286 ... Transformer, Inductors, and Coils Selection and Use of No S/V Provisions	11 JUN 70 ...	Elec pwr	Triservice	U	EL	5950	Gen	Gen	Gen	Gen	Gen
MIL-STD-1288 (1) Notice 1 Aircrew Protection Requirements Nonnuclear Weapons Threat 1-Protect Aircrew; 2-Ref Documents; 3-Definitions; 4-Gen Rqmt Primary/Secondary Threats; 5-Detail Rqmt for Seat/Body/Crew Station Armor; 6-Test Rqmt and Procedures	29 SEP 72 ...	Crew sta*	Triservice	U	AV	15GP	None	None	None	None	None
MIL-STD-1329 ... Switch, RF Coaxial, Selection of No S/V Provisions	01 FEB 68 ...	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-STD-1352 ... Attenuator, Fixed, Selection of No S/V Provisions	21 NOV 69 ...	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen
MIL-STD-1358 ... Waveguides, Rectangular, Ridged and Circular, Selection of No S/V Provisions	16 MAR 70 ...	Avionics	Triservice	U	EC	5985	Gen	Gen	Gen	Gen	Gen

* Also Armor mths

Deficiencies

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MIL-STD-1377	20 AUG 71	Armament	Navy	U	OS	MISC	Gen	Gen	Gen	Gen	Gen
... Effectiveness of Cable, Connector, and Weapon Enclosure Shielding and Filters in Precluding Hazards of Electromagnetic Radiation to Ordnance, Measurement of No S/V Provisions	...										
MIL-STD-1389	14 MAR 73	Avionics	Navy	U	EC	MISC	Gen	Gen	Gen	Gen	Gen
... Design Requirements for Standard Hardware Program, Electronic Modules No S/V Provisions	...										
MIL-STD-1390	02 JAN 73 01 JUN 73	Config	Navy	U	NM	MISC	Gen	Gen	Gen	Gen	Gen
... Notice 1 Level of Repair No S/V Provisions											
MIL-STD-1451A	16 JUN 72	Avionics	Triservice	U	MU	5990	Gen	Gen	Gen	Gen	Gen
... Resolver, Electrical, Selection of No S/V Provisions	...										
MIL-STD-1455	16 AUG 71	Armament	Triservice	U	MU	UOJK	None	None	None	None	None
... Dispenser and Sub-Munition, Air Delivered, Safety Design and Safety Qualification 1-Safety Criteria; 2-Ref Documents; 3-Definitions; 4.3.1.3(D)-Bullet Impact Damage Flight Environment Criteria, 4.3.1.5(D)-Logistics Handling Bullet Impact Criteria; 5-Test Methods Table I	...										

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MIL-STD-1472A ... Human Engineering Design Criteria for Military Systems, Equipment, and Facilities No S/V Provisions	15 MAY 70 ...	Config	Triservice	U	MI	MISC	Gen	Gen	Gen	Gen	Gen
MIL-STD-1511 ... Inflight Emergency Escape Systems, Aircraft, Requirements for No S/V Provisions	12 JAN 71 ...	Crew sta	USAF	U	11	1680	Gen	Gen	Gen	Gen	Gen
MIL-STD-1512 ... Electroexplosive Subsystems, Electrically Initiated, Design Requirements and Test Methods No S/V Provisions	21 MAR 72 ...	Armament	USAF	U	11	MISC	Gen	Gen	Gen	Gen	Gen
MIL-STD-1516 ... Coating For Aircraft and Missiles No S/V Provisions	02 APR 71 ...	Structure	USAF	U	84	8010	Gen	Gen	Gen	Gen	Gen
MIL-STD-1519 ... Test Requirements Document, Preparation of No S/V Provisions	17 SEP 71 ...	Config	USAF	U	11	MISC	Gen	Gen	Gen	Gen	Gen

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MIL-STD-1521	01 SEP 71	Config	Triservice	U	13	MISC	Gen	None	None	None	None
...	...										
Technical Reviews and Audits for Systems, Equipment, and Computer Programs 20.3.1.F, 30.2.1.K, 40.1.3.1.C(11)-Review S/V Requirements During SDR, PDR, and CDR; 20.3.1.2-System Compliance With Nuclear Hardening Requirements											
MIL-STD-1530	01 SEP 72	Structure	USAF	U	11	1500	None	None	None	None	None
...	...										
Aircraft Structural Integrity Program, Airplane Requirements 5.1.2-Battle Damage Criteria, 5.2.5-Battle Damage Tolerance Analysis, 5.2.10-Nuclear Weapons Effect Analysis, 5.2.11-Nonnuclear Weapons Effect Analysis, 5.3.2-Battle Damage Tolerance											
MIL-STD-1534	29 SEP 72	Propul/pwr	USAF	U	11	2840	None	None	None	None	None
...	...										
Engine, Aircraft, Gas Turbine, Technical Design Requirements 5.27-Survivability/Vulnerability and Suggested Methods of Protection											
MIL-STD-1535	01 DEC 72	Config	USAF	U	10	MISC	Gen	Gen	Gen	Gen	Gen
...	...										
Supplier Quality Assurance Program Requirements No S/V Provisions											
MIL-STD-1631	15 MAY 73	Elec pwr	Navy	U	EC	59GP	Gen	Gen	Gen	Gen	Gen
...	...										
Procedure for Selection of Electronic and Electrical Parts During Equipment Design No S/V Provisions											

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										QA	QA	Def
ADS-11	07 SEP 70	Config	Army	U	AV	...	None	None	None	None	None	None
... Aeronautical Design Standard Survivability/Vulnerability Program Requirements 1-Reduction of Vulnerability and Detection; 2-Ref Documents; 3-Definitions Contained in Text; 4-QA Not Applicable; 5-Detailed Requirements												
FTM-STD-151B	24 NOV 67	Config	Triservice	U	...	9500	Gen	Gen	Gen	Gen	Gen	Gen
... Metals: Test Methods No S/V Provisions												
FTM-STD-406	05 OCT 61	Config	Triservice	U	SH	9330	Gen	Gen	Gen	Gen	Gen	Gen
... Plastics: Methods of Testing No S/V Provisions												
SD-24K, VOL I	13 JUN 73	Config	Navy	U	AS	...	Gen	None	None	None	None	Gen
... General Specification for Design and Construction of Aircraft Weapon Systems, Fixed Wing 1-Scope; 2.1-Ref Documents; 3.2.12-Reduce Vulnerability Per NAVAIR-0025-524, 3.4.1.3-Damage Tolerance to Ballistic Threat, 3.18.1 and 3.18.9-Passive Defense Includes Armor Plate, Bullet Resistant Glass and Provisions for Flak Curtains; 4-Quality Assurance As Required by Contract; 6.1-Intended Use												
SD-24K, VOL II	06 DEC 71	Config	Navy	U	AS	...	Gen	None	None	None	None	Gen
... General Specification for Design and Construction of Aircraft Weapon Systems, Rotary Wing 1-Scope; 2-Ref Documents; 3.2.12-Reduce Vulnerability Per NAVAIR-0025-524, 3.4.1.3-Damage Tolerance to Ballistic Threat, 3.18.1 and 3.18.9-Passive Defense Includes Armor Plate, Bullet Resistant Glass and Provisions for Flak Curtains; 4-Quality Assurance as Required by Contract; 6.1-Intended Use												