



AEROSPACE INFORMATION REPORT

AIR1408™**REV. B**

Issued 1976-03
Revised 2019-05
Reaffirmed 2025-07

Superseding AIR1408A

(R) Aerospace Fuel System Specifications and Standards

RATIONALE

This report has been updated to reflect the current status of the most commonly used specifications and standards used for the development of aircraft fuel systems. It further details the status of these documents, active/withdrawn/cancelled, etc., and which may be used for current and new designs.

AIR1408B has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This report lists documents that aid and govern the design of aircraft and missile fuel systems. The report lists the military and industry specifications and standards and the most notable design handbooks that are commonly used in fuel system design. Note that only the principle fuel specifications for the U.S. and Europe (Military Specifications, ASTM, and Def Stan) have been included within this report.

The specifications and standards section has been divided into two parts: a master list arranged numerically of all industry and military specifications and standards, and a component list that provides a functional breakdown and a cross-reference of these documents. It is intended that this report be a supplement to specifications ARP8615, MIL-F-17874, and JSSG 2009.

Revisions and amendments which are correct for the specifications and standards are not listed.

The fuel system design handbooks are listed for fuels and for system and component design.

1.1 Availability of Documents

The following information pertains to the availability of specifications and standards.

1.1.1 Military Documents

Department of Defense Index of Specifications and Standards; prepared by DLA Document Services, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. This document is published annually, with bi-monthly cumulative supplements.

1.1.2 SAE Publications

SAE Aerospace Standards, Recommended Practices, Information Reports (AS, ARP, AIR) Index. Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

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SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

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SAE WEB ADDRESS:

Full document details: SAE AIR1408B

For more information on this standard, visit
<https://www.sae.org/standards/content/AIR1408B/>

Documents

Standard, visit Sharing Hub

1.1.3 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

1.1.4 FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835-5322, www.faa.gov.

1.1.5 Industry Documents

Available from appropriate company.

2. MASTER LIST OF DOCUMENTS

2.1 Air Force-Navy Aeronautical Standards

Copies of these documents are available online at <https://quicksearch.dla.mil>.

A-A-52557	Fuel Oil, Diesel; for Posts, Camps and Stations (Cancelled - Document superseded by ASTM D975)
A-A-59155	Nitrogen, High Purity, Special Purpose
A-A-59503	Nitrogen, Technical
AN2555	Nozzle - Aircraft Fueling (Cancelled - No replacement)
ANA-107	Inspection Standards for Stand and Dissection Tested Self-Sealing Fuel and Oil Cells (Cancelled - Document superseded by MIL-STD-801)
ANA-112	Acceptance Standards for Self-Sealing Fuel and Oil Cells (Cancelled - Document superseded by MIL-STD-801)
JSSG-2001	Air Vehicle
JSSG-2007	Engines, Aircraft, Turbine
JSSG-2009	Air Vehicle Subsystems

2.2 FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835-5322, www.faa.gov.

14 CFR Part 23	Code of Federal Regulations, Airworthiness Standards: Normal Category Airplanes
14 CFR Part 25	Code of Federal Regulations, Airworthiness Standards: Transport Category Airplanes
14 CFR Part 27	Code of Federal Regulations, Airworthiness Standards: Normal Category Rotorcraft
14 CFR Part 29	Code of Federal Regulations, Airworthiness Standards: Transport Category
14 CFR Part 33	Code of Federal Regulations, Airworthiness Standards: Aircraft Engines

AC 20-116	Marking Aircraft Fuel Filler Openings with Color Coded Decals
AC 20-119	Fuel Drain Valves
AC 20-122	Anti-Misfueling Devices: Their Availability and Use
AC 20-24	Approval of Propulsion Fuels, Additives, and Lubricating Oils
AC 20-53	Protection of Aircraft Fuel Systems Against Fuel Vapor Ignition Caused by Lightning
AC 23-10	Auxiliary Fuel Systems for Reciprocating and Turbine Powered Part 23 Airplanes
AC 25-30	Fuel Tank Strength in Emergency Landing Conditions
AC 25-8	Auxiliary Fuel Systems Installations
AC 25.963-1	Fuel Tank Access Covers
AC 25.975-1	Fuel Vent Fire Protection
AC 25.981-1	Fuel Tank Ignition Source Prevention Guidelines
AC 25.981-2	Fuel Tank Flammability
AC 25.994-1	Design Considerations to Protect Fuel Systems During a Wheels-Up Landing
TSO-C43	Temperature Instruments
TSO-C44	Fuel Flowmeters
TSO-C47	Fuel, Oil, and Hydraulic Pressure Instruments
TSO-C53	Fuel and Engine Oil System Hose Assemblies
TSO-C55	Fuel and Oil Quantity Instruments
TSO-C76	Fuel Drain Valves
TSO-C77	Gas Turbine Auxiliary Power Units
TSO-C80	Flexible Fuel and Oil Cell Material
TSO-C140	Aerospace Fuel, Engine Oil, and Hydraulic Fluid Hose Assemblies

2.3 Federal Specifications and Standards

Copies of these documents are available online at <https://quicksearch.dla.mil>.

BB-N-411	Nitrogen, Technical (Cancelled - Document superseded by A-A-59503 and A-A-59155)
FED-STD-595	Colors Used in Government Procurement (Cancelled - Document superseded by AMS-STD-595)
P-D-680	Dry Cleaning and Degreasing Solvent (Cancelled - Document superseded by MIL-PRF-680)
QQ-C-320	Chromium Plating (Electrodeposited) (Cancelled - Document superseded by AMS2460)

QQ-P-416	Plating, Cadmium (Electrodeposited) (Cancelled - Document superseded by AMS-QQ-P-416)
TT-S-735	Standard Test Fluids, Hydrocarbon (Cancelled - Document superseded by ASTM D471)
VV-F-800	Fuel Oil, Diesel (Cancelled - Document superseded by ASTM D975)
VV-F-815	Fuel Oil, Burner (Cancelled - Document superseded by ASTM D396)
VV-G-109	Gasoline, Unleaded (Cancelled - Document superseded by ASTM D4814)
VV-G-1690	Gasoline, Automotive, Leaded or Unleaded (Cancelled - Document superseded by ASTM D4814)
WW-T-700	Tube, Aluminum Alloy, Drawn, Seamless, General Specification for (Cancelled - Document superseded by AMS-WW-T-700)

2.4 Industry Specifications and Standards

AIA/NASM85449	Clamp Assembly, Saddle-Type, Cushion, General Specification for
ASME-Y14.100	Engineering Drawing Practices
ASME-Y14.24	Types and Applications of Engineering Drawings
ASME-Y14.34	Associated Lists
ASME-Y14.35	Revision of Engineering Drawings and Associated Documents
ASTM B210	Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes
ASTM D396	Standard Specification for Fuel Oils
ASTM D439	Standard Specification for Automotive Gasoline (Cancelled - Superseded by ASTM D4814)
ASTM D471	Standard Test Method for Rubber Property - Effect of Liquids
ASTM D910	Standard Specification for Leaded Aviation Gasolines
ASTM D975	Standard Specification for Diesel Fuel Oils
ASTM D1655	Standard Specification for Aviation Turbine Fuels
ASTM D2000	Standard Classification System for Rubber Products in Automotive Applications
ASTM D4054	Standard Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives
ASTM D4814	Standard Specification for Automotive Spark-Ignition Engine Fuel
ASTM D4865	Standard Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems
ASTM D6615	Standard Specification for Jet B Wide-Cut Aviation Turbine Fuel
ASTM D7566	Standard Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons



DDA/GM EMS64	Fuel, Turbine Engine Commercial Aircraft; Detroit Diesel Allison/General Motors Corporation
EMS 53111	Jet A Type Fuel Specification, Garrett Turbine Engines
EMS 53112	Jet A-1 and JP-8 Type Fuels Specification, Garrett Turbine Engines
EMS 53113	Jet B and JP Type Fuels Specification, Garrett Turbine Engines
EMS 53116	JP-5 Fuel Specification, Garrett Turbine Engines
G.E. D50TF2-54	Aviation Turbine Fuels; General Electric Company
ISO 725	ISO Inch Screw Threads - Basic Dimensions
ISO 10012	Measurement Management Systems - Requirements for Measurement Processes and Measuring Equipment
PWA 522	Fuel, Commercial Aircraft Turbine Engine; Pratt and Whitney Aircraft Group/United Technologies Service Bulletin No. 2016
RTCA/DO-160	Environmental Conditions and Test Procedures for Airborne Equipment
RTCA/DO-178	Software Considerations in Airborne Systems and Equipment Certification
RTCA/DO-254	Design Assurance Guidance for Airborne Electronic Hardware

2.5 Military Specifications

ARSAG 03-00-03R	Aerial Refueling Pressures Definitions and Terms, Design and Verification Guidance
MIL-A-5070	Adaptor, Hose to Tube, Pipe and Flange, Reusable - Hydraulic, Fuel, and Oil Lines, General Specification for (Superseded by MIL-DTL-5070)
MIL-A-6444	Adapter, Pressure Fuel Servicing, Type A-2 (Cancelled - Superseded by MIL-A-25896)
MIL-A-6445	Adapter, Pressure Fuel Servicing, Type A-3 (Cancelled - Superseded by MIL-A-25896)
MIL-A-6446	Adapter, Pressure Fuel Servicing, Type A-4 (Cancelled - Superseded by MIL-A-25896)
MIL-A-8625	Anodic Coatings for Aluminum and Aluminum Alloys
MIL-A-8865	Airplane Strength and Rigidity Miscellaneous Loads
MIL-A-19736	Air Refueling Systems, General Specification for
MIL-A-21180	Aluminum-Alloy Castings, High Strength (Cancelled - Document superseded by AMS-A-21180)
MIL-A-22847	Air Refueling Store System; D-704 (Not for new design)
MIL-A-25896	Adapter, Pressure Fuel Servicing, Nominal 2-1/2" Diameter

MIL-A-38301	Application Requirements for MIL-C-38300 Connector, Electrical (Cancelled - No superseding document)
MIL-A-38726	Adaptor Assembly, Reusable, Flexible Hose, Low Pressure (Superseded by MIL-DTL-38726)
MIL-B-5087	Bonding, Electrical, and Lightning Protection, for Aerospace Systems (Cancelled - Superseded by MIL-STD-464)
MIL-B-83054	Baffle and Inerting Material, Aircraft Fuel Tank (Not for new design - Superseded by MIL-DTL-83054)
MIL-B-87162	Baffle Material, Explosion Suppression, Expanded Aluminum Mesh, for Aircraft Fuel Tanks (Cancelled - No superseding document)
MIL-C-5541	Chemical Conversion Coatings on Aluminum and Aluminum Alloys (Superseded by MIL-DTL-5541)
MIL-C-6021	Casting, Classification and Inspection of (Cancelled - Document superseded by AMS2175)
MIL-C-7024	Calibrating Fluids, Aircraft Fuel System Components (Superseded by MIL-PRF-7024)
MIL-C-7244	Cap and Adapter Unit, Tank Filler (Cancelled - No superseding document)
MIL-C-7413	Couplings, Quick Disconnect, Automatic Shutoff, General Specification for (Cancelled - Document superseded by AS7413)
MIL-C-8603	Clamp, Loop Type, and Straps, Support (Not for new design)
MIL-C-8605	Cap; Pressure Fuel Servicing
MIL-C-8956	Clamp, Loop, Tube Support (Cancelled - Superseded by MIL-C-8603 and MIL-DTL-85052)
MIL-C-22263/1	Coupling, Type I, Rolled Bead Connecting Fluid Line, Flexible, Maximum Envelope and Weight (Cancelled - Superseded by MIL-DTL-85061)
MIL-C-22263/2	Coupling, Type II, Swaged Ferrule Connecting Fluid Line, Flexible, Maximum Envelope and Weight (Superseded by MIL-DTL-22263)
MIL-C-22263/3	Swage End Ferrule, Variable Cavity (Superseded by MIL-DTL-22263)
MIL-C-25162	Coupling, Reception, Flight Pressure Refueling, Type MA-2 (Cancelled - Superseded by MIL-PRF 81975)
MIL-C-27536	Coupling, Clamp, Grooved, V-Band (Cancelled - Document superseded by AS5355)
MIL-C-38373	Cap, Fluid Tank Filler (Cancelled - No superseding document)
MIL-C-38999	Connector, Electrical, Circular, Miniature, High Density, Quick Disconnect, Environment Resistant, Removable Crimp Contacts Backshell (Various) (Superseded by MIL-DTL-38999)

MIL-C-45662	Calibration System Requirements (Cancelled - Document superseded by ISO 10012)
MIL-C-81511	Connectors, Electrical, Circular, High Density, Quick Disconnect, Environment Resisting: and Accessories General Specification for (Various) (Cancelled - Document superseded by AS81511 family of documents)
MIL-C-81975	Coupling, Regulated, Aerial Pressure Refueling Type MA-3 (Superseded by MIL-PRF-81975)
MIL-C-83019	Coating, Polyurethane, for Protection of Integral Fuel Tank Sealing Compound (Not for new design)
MIL-C-83291	Covers, Self-Sealing, Fuel Line, Aircraft (Cancelled - No superseding document)
MIL-C-83413/7	Connectors and Assemblies, Electrical, Aircraft Grounding: Grounding Clamp Connector for Types I and III Grounding Assemblies, Aluminum Clip, Electrical (Superseded by MIL-DTL-83413/7)
MIL-C-83413/10	Connectors and Assemblies, Electrical, Aircraft Grounding: Jumper Cable Assembly, Aircraft to Fuel Nozzle, Discharger, Electrostatic (Superseded by MIL-DTL-83413/10)
MIL-C-85052	Clamp Support - Loop, Clamp (Superseded by MIL-DTL-85052)
MIL-C-85061	Coupling, Fuel Line, Flexible, 125 psi (Not for new design - Superseded by MIL-DTL-85061)
MIL-C-85449	Clamp Assembly, Saddle-Type, Cushion, General Specification for (Cancelled - Document superseded by AIA/NAS NASM85449)
MIL-D-1000	Drawings, Engineering and Associated Lists (Cancelled - Superseded by MIL-STD-31000)
MIL-D-8706	Data and Tests, Engineering, Contract Requirements for Aircraft Weapon Systems (Cancelled - No superseding document)
MIL-D-8708	Demonstration: Aircraft Weapon Systems, General Specification for
MIL-D-81298	Dye, Liquid for Detection of Leaks in Aircraft Fuel Systems (Superseded by MIL-PRF-81298)
MIL-E-5007	Engine, Aircraft, Turbojet and Turbofan, General Specification for (Not for new design)
MIL-E-5400	Electronic Equipment, Aerospace, General Specification for (Not for new design - Superseded by MIL-HDBK-5400)
MIL-E-6051	Electromagnetic Compatibility Requirements, System (Cancelled - Superseded by MIL-STD-464)
MIL-E-7080	Electric Equipment, Aircraft, Selection and Installation of (Superseded by MIL-STD-7080)
MIL-E-8593	Engine, Aircraft, Turboshift and Turboprop, General Specification for (Not for new design)

MIL-E-25499	Electrical Systems, Aircraft, Design and Installation of, General Specification for (Cancelled - No superseding document)
MIL-F-5577	Fitting, Tank, Powerplant Fluid, Removable, General Specification for (Cancelled - No superseding document)
MIL-F-7179	Finishes, Coatings, and Sealants for the Protection of Aerospace Weapon Systems (Superseded by MIL-STD-7179)
MIL-F-7190	Forging, Steel, for Aircraft/Aerospace and Special Ordinance Applications (Cancelled - Document superseded by AMS-F-7190)
MIL-F-8615	Fuel Systems Components, General Specification for (Cancelled - Document superseded by ARP8615)
MIL-F-17874	Fuel Systems: Aircraft, Installation and Test of
MIL-F-18280	Fittings, Flareless Tube, Fluid Connection (Cancelled - Document superseded by AS18280)
MIL-F-25524	Turbine Fuel, Aviation, Thermally Stable (Superseded by MIL-DTL-25524)
MIL-F-26364	Fitting, Tank, High Temperature, Non-Self-Sealing, Aircraft and Missile (Cancelled - No superseding document)
MIL-F-27351	Fluid, Calibrating, High Flash Point, Aircraft Fuel System Components (Cancelled - Superseded by MIL-PRF-7024)
MIL-F-38363	Fuel System, Aircraft, General Specification for (Cancelled - Document superseded by JSSG-2009)
MIL-F-87154	Fuel Systems, General Specification for (Cancelled - Document superseded by JSSG-2009)
MIL-F-87260	Foam Material, Explosion Suppression, Inherently Electrostatically Conductive, for Aircraft Fuel Tanks (Superseded by MIL-PRF-87260)
MIL-G-3056	Gasoline, Automotive, Combat (Cancelled - Document superseded by ASTM D4814)
MIL-G-5572	Gasoline, Aviation, Grades 80/87, 100/130, 115/145 (Cancelled - Document superseded by ASTM D910)
MIL-G-5672	Gages, Fuel and Oil Quantity, Float Type, Aircraft, General Specification for (Cancelled - No superseding document)
MIL-G-7940	Gages, Liquid Quantity, Capacitor Type, Installation and Calibration of (Cancelled - No superseding document)
MIL-G-26988	Gage, Liquid Quantity, Capacitor Type, Transistorized, General Specification for (Cancelled - No superseding document)
MIL-H-4495	Hose Assembly, Rubber, Aerial Refueling
MIL-H-6088	Heat Treatment of Aluminum Alloys (Cancelled - Document superseded by AMS2770, AMS2771, and AMS2772)

MIL-H-7061	Hose, Elastomeric, Aircraft, Self-Sealing, Aromatic Fuel (Superseded by MIL-PRF-7061)
MIL-H-8794	Hose, Elastomeric - Hydraulic Fluid, Fuel and Oil Resistant (Superseded by MIL-DTL-8794)
MIL-H-8795	Hose Assemblies, Elastomeric - Hydraulic Fluid, Fuel and Oil Resistant, General Specication for (Superseded by MIL-DTL-8795)
MIL-H-25579	Hose Assembly, Polytetrafluoroethylene, High Temperature, Medium Pressure General Specification for (Superseded by MIL-DTL-25579)
MIL-HDBK-310	Global Climatic Data for Developing Military Products
MIL-HDBK-470	Designing and Developing Maintainable Products and Systems
MIL-HDBK-510	Aerospace Fuels Certification
MIL-HDBK-516	Airworthiness Certification Criteria
MIL-HDBK-781	Reliability Test Methods, Plans and Environments for Engineering, Development Qualification and Production
MIL-HDBK-831	Preparation of Test Reports
MIL-I-6181	Interference Control Requirements, Aircraft Equipment (Cancelled - Superseded by MIL-STD-461)
MIL-I-7566	Indicator System, Fuel Flowmeter, General Specification for (Not for new design)
MIL-I-8500	Interchangeability and Replaceability of Component Parts for Aerospace Vehicles
MIL-I-18802	Fuel and Oil Lines, Aircraft, Installation of (Cancelled - Document superseded by AS18802)
MIL-I-25017	Inhibitor, Corrosion/Lubricity Improver, Fuel Soluble (Superseded by MIL-PRF-25017)
MIL-I-25906	Indicator, Rate of Flow EFU-3/A, Fuel, 0-15,000 PPH (Not for new design)
MIL-I-27686	Inhibitor, Icing, Fuel System (Cancelled - Superseded by MIL-DTL-85470)
MIL-I-45208	Inspection System Requirements (Cancelled - No superseding document)
MIL-I-83294	Installation Requirements, Aircraft Propulsion Systems, General Specification for (Cancelled - No superseding document)
MIL-J-5161	Jet Fuel, Referee (Cancelled - No superseding document)
MIL-J-25656	Jet Fuel, Grade JP-6 (Cancelled - No superseding document)

MIL-L-6503	Lighting Equipment, Aircraft, General Specifications for Installation of (Not for new design)
MIL-L-6730	Lighting Equipment; Exterior, Aircraft (General Requirements for) (Cancelled - No superseding document)
MIL-M-7969	Motors, Alternating Current, 400 Cycle, 115/200-Volt System, Aircraft, General Specification for (Not for new design)
MIL-M-8609	Motors, DC, 28 Volt System, Aircraft, General Specification for (Not for new design)
MIL-M-25047	Markings and Exterior Finish Colors for Airplanes, Airplane Parts, and Missiles (Ballistic Missiles Excluded) (Cancelled - No superseding document)
MIL-N-4180	Nozzles, Fuel and Oil Servicing (Cancelled - Superseded by MIL-N-87963)
MIL-N-5877	Nozzle, Pressure Fuel Servicing, Locking, Type D-1, D-1R and D-2R, Nominal 2-1/2" Diameter (Cancelled - Document superseded by AS5877)
MIL-N-25161	Nozzle, Aerial Pressure Refueling, Type MA-2
MIL-N-26978	Nozzle, Fuel - Oil Servicing, Over-the-Wing, Shockproof, Type MD-1, MD-2 (Cancelled - Superseded by MIL-N-87963)
MIL-N-52747	Nozzle Assembly, Closed-Circuit Refueling, Standard and Arctic Service (Superseded by MIL-PRF-52747)
MIL-N-52748	Nozzle, Adaptor, Closed-Circuit to Gravity Fill, Standard and Arctic Service (Superseded by MIL-PRF-52748)
MIL-N-87963	Nozzle: Fuel, Aircraft, Overwing: Type MD-3
MIL-P-5238	Pump, Centrifugal, Fuel Booster, Aircraft, General Specification for (Not for new design)
MIL-P-5315	Packing, Preformed, Hydrocarbon Fuel Resistant (Cancelled - Document superseded by AMS-P-5315)
MIL-P-6525	Pump, Fuel Transfer, Aerial Refueling, General Specification for (Not for new design)
MIL-P-6992	Pump Assembly, Fuel, Electrically Driven, Aircraft Heater (Cancelled - No superseding document)
MIL-P-8045	Plastic, Self-Sealing and Non-Self-Sealing Tank Backing Material (Not for new design)
MIL-P-8686	Power Units, Aircraft Auxiliary, Gas Turbine-Type, General Specifications for (Not for new design)
MIL-P-82522	Propellant, Jet Engine, T-H Dimer, Grade RJ-4 (Cancelled - No superseding document)
MIL-P-87107	Propellant, High Density Synthetic Hydrocarbon Type, Grade JP-10 (Superseded by MIL-DTL-87107)

MIL-P-87175	Packing, Preformed, Petroleum Hydraulic Fluid Resistant Phosphonitrilic Fluoroelastomer (Various) (Cancelled - No superseding document)
MIL-PRF-680	Degreasing Solvent
MIL-Q-9858	Quality Program Requirements (Cancelled - No superseding document)
MIL-R-3065	Rubber, Fabricated Products (Cancelled - Document superseded by ASTM D2000)
MIL-R-3390	Rings, Dee (Superseded by MIL-DTL-3390)
MIL-R-6800	Resin Coating, Permanent, for Aircraft Engine Parts, Application of (Cancelled - No superseding document)
MIL-R-6855	Rubber, Synthetic (Various) (Superseded by MIL-PRF-6855)
MIL-R-25897	Rubber, Fluorocarbon Elastomer, High Temperature, Fluid Resistant (Cancelled - Document superseded by AMS7259, AMS7276, AMS3216, and AMS3218)
MIL-R-25988	Rubber, Fluorosilicone Elastomer, Oil- and Fuel-Resistant, O-Rings (Class 1, 2 and 3) (Superseded by MIL-DTL-25988)
MIL-R-27521	Receptacle, Flying Boom, Aerial Refueling, General Specification for (Not for new design)
MIL-R-52255	Repair Kits and Repair Kit Components, for Collapsible Fabric Tanks, Drums and Boats (Not for new design)
MIL-R-83248	Rubber, Fluorocarbon Elastomer, High Temperature, Fluid and Compression Set Resistant ("O"Rings - Various) (Cancelled - Document superseded by AMS3216, AMS3218, AMS7259, and AMS7276)
MIL-S-4040	Solenoid, Electrical, General Specification for (Not for new design)
MIL-S-6758	Steel, Chrome-Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality) (Cancelled - Document superseded by AMS-S-6758)
MIL-S-7742	Screw Threads, Standard, Optimum Selected Series: General Specifications for (Not for new design)
MIL-S-8516	Sealing Compound, Synthetic Rubber, Electric Connectors and Electric Systems, Chemically Cured (Superseded by MIL-PRF-8516)
MIL-S-8710	Strainer, Aircraft Fuel System, General Specification for (Not for new design)
MIL-S-8802	Sealing Compound, Temperature-Resistant, Integral Fuel Tanks and Fuel Cell Cavities, High Adhesion (Cancelled - Document superseded by AMS-S-8802)
MIL-S-8879	Screw Threads, Controlled Radius Root with Increased Minor Diameter, General Specification for (Cancelled - Document superseded by AS8879)

MIL-S-9395	Switches, Pressure (Various), General Specification for (Superseded by MIL-DTL-9395)
MIL-S-25980	Switch, Float, Aircraft Fuel Level, General Specification for (Not for new design)
MIL-S-26390	Switch, Pressure, Aircraft Fuel (Cancelled - Superseded by MIL-DTL-9395)
MIL-S-38449	Signal and Signal/Intercommunication Amplifiers, Universal, Aerial Refueling (Not for new design - Superseded by MIL-DTL-38449)
MIL-T-5578	Tank, Fuel, Aircraft, Self-Sealing (Superseded by MIL-DTL-5578)
MIL-T-5624	Turbine Fuel, Aviation, Grades JP-4 and JP-5 (Superseded by MIL-DTL-5624)
MIL-T-6396	Tanks, Aircraft Propulsion Fluid System, Internal Removable, Non-Self-Sealing (Superseded by MIL-DTL-6396)
MIL-T-7378	Tank, Fuel, Aircraft, External, Auxiliary, Removable (Cancelled - No superseding document)
MIL-T-8606	Tubing, Steel, Corrosion-Resistant (18-8 Stabilized and Extra Low Carbon) (Not for new design - Document superseded by AMS5560, AMS5563, AMS5564, AMS5565, AMS5566, AMS5567, AMS5569, AMS5570, AMS5571, AMS5639, and AMS5668)
MIL-T-14442	Tank, Fuel, Engines: Non-Metallic, Non-Self-Sealing, for Military Vehicles (Superseded by MIL-PRF-14442)
MIL-T-18847	Tank, Fuel, Aircraft, Auxiliary External, Design and Installation of
MIL-T-25783	Tank, Fuel Aircraft and Missile, Non-Self-Sealing High Temperature, Removable (Cancelled - No superseding document)
MIL-T-25905	Transmitter, Rate of Flow TRU-7/A, Fuel, 0-15,000 PPH (Not for new design)
MIL-T-27422	Tank, Fuel, Crash-Resistant, Ballistic-Tolerant, Aircraft (Superseded by MIL-DTL-27422)
MIL-T-38144	Transmitter, Rate of Flow, Fuel (Not for new design)
MIL-T-38219	Turbine Fuel, Low Volatility, JP-7 (Not for new design - Superseded by MIL-DTL-38219)
MIL-T-46786	Tanks, Fuel, Engine: General Requirements for (Not for new design)
MIL-T-52983	Tank, Fabric, Collapsible, 3,000, 10,000, 20,000, and 50,000 Gallon, Fuel (Not for new design)
MIL-T-83133	Turbine Fuels, Aviation, Kerosene Type, NATO F-34 (JP-8), and NATO F-35, and JP-8+100 (Superseded by MIL-DTL-83133)
MIL-T-83219	Truck, Tank A/S32R-9 (Cancelled - No superseding document)

MIL-T-83240	Transmitter, Rate of Flow, Fuel TRU-113A (Cancelled - No superseding document)
MIL-T-83323	Tester, Universal Receptacle, Aerial Refueling (Superseded by MIL-PRF-83323)
MIL-V-5529	Valve, Hydraulic Directional Control, Rotary Selector (Cancelled - No superseding document)
MIL-V-5530	Valve, Aircraft Hydraulic Shuttle (Cancelled - No superseding document)
MIL-V-7899	Valves, Check, Aircraft Fuel System (Not for new design - Superseded by MIL-DTL-7899)
MIL-V-8608	Valves, Fuel Shutoff, Electric Motor Operated (Cancelled - No superseding document)
MIL-V-8610	Valves, Fuel Shutoff Solenoid Operated, 28 Volts DC (Not for new design)
MIL-V-25023	Valve, Fuel Drain, Self-Locking (Not for new design)
MIL-V-81356	Valve, Fuel System, Pressurization and Vent
MIL-W-5088	Wiring, Aerospace Vehicle (Not for new design - Document superseded by AS50881)

2.6 Military Standards

ATP-3.3.4.2	Air-to-Air Refueling ATP-56
ATP-3.3.4.5	Air-to-Air (Aerial) Refueling Equipment: Boom-Receptacle System Interface Requirements
ATP-3.3.4.6	Air-to-Air (Aerial) Refueling Equipment: Probe-Drogue Interface Characteristics
DEF STAN 91-091	Turbine Fuel, Aviation Kerosine Type, Jet A-1 (AVTUR)
DEF STAN 91-86	Turbine Fuel, Aviation Kerosine Type: High Flash Type, Containing Fuel System Icing Inhibitor (AVCAT/FSII)
DEF STAN 91-87	Turbine Fuel, Aviation Kerosine Type, Containing Fuel System Icing Inhibitor (AVTUR/FSII)
DEF STAN 91-88	Turbine Fuel, Aviation: Wide Cut Type, Containing Fuel System Icing Inhibitor (AVTAG/FSII)
MIL-STD-100	Standard Practices for Engineering Drawing (Cancelled - Document superseded by ASME-Y14.24, ASME-Y14.34, ASME-Y14.35, and ASME-Y14.100)
MIL-STD-129	Military Marking for Shipment and Storage
MIL-STD-130	Identification Marking of U.S. Military Property
MIL-STD-143	Standards and Specifications, Order of Precedence for the Selection of (Cancelled - No superseding document)
MIL-STD-190	Identification Marking of Rubber Products