

# **AERONAUTICAL AND ASTRONAUTICAL MATERIAL 13000 - 13999**

## **13000-13099 GENERAL**

13000 General  
13010 Aircraft Characteristics  
13011 Performance  
13012 Flying Qualities, Stability, and Control  
13013 Aerodynamics and hydrodynamics  
13014 Structural (loads)  
13020 Aircraft Maintenance  
13021 Organizational  
13022 Intermediate  
13023 Overhaul, Rework  
13024 Aircraft Battle Damage Repair (ABDR)  
13030 Airworthiness and Service Suitability  
13031 Test and Evaluation  
13032 Navy Preliminary Evaluation (NPE)  
13033 Service Suitability Trials  
13034 Aircraft Restrictions/Limitations  
13035 Aircraft/Stores Compatibility  
13040 Aircraft Survivability/Vulnerability  
13050 Configuration Control  
13051 Engineering Change Proposals  
13052 Changes and Bulletins  
13053 Change Kits  
13054 Fleet Proposals for Aircraft Modification  
13060 Weight and Balance  
13070 Reliability and Maintenance  
13080 Exterior/Interior Finish, Marking, and Lighting  
13090 Logs and Records

## **13100-13199 AIRCRAFT (Complete)**

13100 General (Use for more than one model of aircraft and for both aircraft and guided missiles. Use 8800 for complete guided missiles.)  
13120 Fixed Wing  
13121 Antisubmarine  
13122 Attack  
13123 Cargo/Transport  
13124 Fighter  
13125 Special Electronics

13126 Patrol  
13127 Trainer  
13128 Utility  
13130 Vertical Flight (Helicopters, V/STOL)  
13150 Research  
13160 Aircraft Targets

### **13200-13299 AVIONICS**

13200 General  
13205 Automatic Carrier Landing System  
13210 Electrical Power Distribution Components  
13220 Airborne Navigation, Automatic Flight Control and Instrument Systems and Systems  
13221 Navigational and Fuel Consumption Instruments and Computers  
13222 Flight Instruments  
13223 Automatic Pilot Mechanisms and Airborne Gyro Components (Use 10170 for training devices)  
13224 Engine Instruments  
13230 Communication and Identification (CNI) Systems  
13240 Airborne Weapon (Fire Control) Systems and Airborne Missile Guidance Systems (Gun Sights)  
13250 General Purpose Computers  
13260 Antisubmarine Warfare (ASW) Systems  
13270 Electronic Warfare (EW) Systems  
13280 Electric Power Generator, Inverter, Converter and Battery Systems, and Components  
13290 Airborne Radar

### **13300-13399 ASTRONAUTIC VEHICLES (Complete)**

13300 General  
13301 Satellites  
13302 Space Shuttle

### **13400-13599 AIRFRAME SYSTEMS, COMPONENTS, AND ACCESSORIES**

13400 General  
13410 Structural (includes materials)  
13411 Fuselage  
13412 Wing, Tail, Control Surfaces, Flaps, etc.  
13413 Windows, windshields, canopies  
13414 Doors, Hatches, Removable Panels  
13415 Nacelles, Radomes  
13416 Nuts, bolts, rivets, fasteners  
13420 Landing Gear, Wheels, and Brakes  
13421 Tires and Tubes

13430 Aircraft Components for Arresting and Launching  
13440 Hydraulic, Pneumatic, and Lubrication Systems  
13441 Pumps and Motors  
13442 Valves and Lines  
13443 Actuators  
13444 Fluidic devices  
13445 Lubrication (excluding engine)  
13446 Pitot-static System (excluding instruments)  
13450 De-icing, Anti-icing, and Anti-fogging  
13451 Airframe de-icing  
13452 Windshield de-icing, defogging, and rain removal  
13460 Environmental Control and Life Support  
13461 Heating and Air Conditioning  
13462 Oxygen  
13463 Pressurization  
13470 Fuel System (excluding engine)  
13471 Fuel Tanks, Internal  
13472 Fuel Tanks, External  
13473 In-flight refueling  
13480 Special Mission Systems  
13481 Internal Cargo  
13482 External Cargo (includes helicopter pickup and delivery systems)  
13483 Air-dropped Cargo Systems  
13484 Airborne Mine Countermeasures Systems  
13485 Aerial Towing (Targets gliders)  
13490 Fire Detection and Protection  
13500 Escape and Crew Systems (General)  
13510 Escape Systems  
13511 Ejection Seats  
13512 Parachutes  
13520 Crew Systems  
13521 Crew Station Design and Human Factors  
13522 Comfort (Galley, Bunks, Lavatories)  
13523 Emergency Equipment (Life Rafts, Mae Wests, Survival Kits)  
13524 Personal Flying Equipment

### **13660-13699 AERONAUTICAL GROUND SUPPORT EQUIPMENT**

13600 General  
13610 Common Ground Support Equipment  
13620 Peculiar Ground Support Equipment  
13630 Automatic Test Equipment  
13640 Calibration Ground Support Equipment  
13650 Aircraft Maintenance Material Readiness List (AMMRL) Program

13660 Repair Parts (shortages)  
13670 Mobile Facility Program  
13680 Rework, Maintenance, and Checkout  
13690 Avionics Support Equipment

**13700-13799 ENGINES AND ENGINE SYSTEMS (INCLUDING COMPONENTS AND ACCESSORIES)**

13700 General  
13710 Reciprocating  
13720 Turboshaft and Jet  
13730 Rocket  
13740 Nuclear  
13750 Engine Diagnostics  
13760 Engine Fuel Systems  
13770 Engine Electrical Systems  
13780 Engine Cooling Systems  
13790 Engine Systems Components

**13800-13899 LAUNCHING AND LANDING EQUIPMENT**

13800 General  
13810 Arresting, Barrier, and Barricade Recovery Equipment  
13820 Launching (Shipboard and Land-based)  
13830 Visual Landing Aids  
13840 Dynamic Interface Tests (DI Tests)  
13850 Ship Helicopter Operating Limits (SHOL)

**13900-13999 OTHER INSTRUMENTS AND LABORATORY EQUIPMENT**

13900 General  
13950 Meteorological Instruments and Equipment  
13980 Aircraft Alarm and Signal Systems (Include Oxygen, Pressure Signals and Warning Devices)  
13990 Combination and Miscellaneous Instruments