



FEDERAL PROCUREMENT DATA SYSTEM
PRODUCT AND SERVICE CODES MANUAL

August 1998

Look inside for what
the government buys !



Prepared by
U.S. General Services Administration
Federal Procurement Data Center
Executive Agent for
Office of Management & Budget
Office of Federal Procurement Policy

Tip On Using The Electronic Version

This is a searchable document.. You can use the Find Button (binoculars) and the Find Again Button (binoculars with circular arrow) to locate a work, phrase, number, or anything else you need.

Example: To Find PSC Code “5640”

Press The **Binoculars** (Find) Button

Enter "5640" in the Find What box

Press the “**Find**” Button (searches to “Wallboard, Building Paper, and Thermal Insulation Materials” in the alphabetic listing)

Press the **Binoculars with Circular Arrow** Button (searches to “Wallboard, Building Paper, and Thermal Insulation Materials” in the numeric listing)

Press the **Binoculars with Circular Arrow** Button Again (searches to locate the text description for the code)

TABLE OF CONTENTS

	Page
I. Introduction	ii
II. Research and Development Codes (Section I, Part A).....	1 - 10
III. Service Codes (Section I, Part B)	11 - 30
IV. Supplies and Equipment Codes (Section I, Part C, & FS Group Desc.)	31 - 35
Alphabetical Listing by Product	36 - 51
4-Digit Supplies and Equipment Codes	52 - 75
V. Federal Supply Classification Code Descriptions (Section II).....	76 - 138
Appendix A Procedures for Changing FPDS Product and Service Codes	139 - 140
Appendix B Definitions Applicable to the General Science and Technology R&D ("AJ" Category).....	141 -147

INTRODUCTION

Public Law 93-400 requires the Administrator for Federal Procurement Policy, OMB, to establish a system for collecting, developing, and disseminating procurement data which takes into account the needs of the Congress, the executive branch, and the private sector. The Department of Defense was designated as the executive agent of the Office of Federal Procurement Policy to establish and operate the Federal Procurement Data System (FPDS) including a Federal Procurement Data Center. In April 1980, this responsibility was transferred to the General Services Administration.

This Manual has been developed in conjunction with the FPDS Reporting Manual for those who are responsible for preparing, coding, editing, or machine processing FPDS Individual Contract Action Report (SF-279). Only one code number shall be reported. If more than one is applicable, report the code which describes the predominant product or service procured. Category codes, denoted by parentheses will not be used for data entry. Asterisks are not for data entry; use appropriate code indicated.

Section I provides the product and service codes that will be used in the FPDS. The Section is divided into three parts. Part A contains a list of codes for research, development, test, and evaluation work. Part B lists codes for all services other than research and development work including purchase of structures and facilities. Part C lists codes for supplies and equipment.

Section II presents the classification structure of the Supplies and Equipment Codes, showing all groups and classes listed in the arrangement of the Federal Supply Classification (FSC) Numbering System. Where appropriate, the main inclusions and exclusions, which limit the coverage of a particular class, are shown immediately following the title for the class.

All suggestions, inquiries, and requests for additional codes shall be referred to the Federal Procurement Data Center, General Services Administration, 7th and D Streets, SW, Room 5652, Washington, DC 20407, telephone (202) 401-1529.

SECTION I - PART A
RESEARCH AND DEVELOPMENT CODES

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SECTION 1, PART A - RESEARCH AND DEVELOPMENT

If the action is for research and development (R&D) work, report an R&D code from this part of Section 1. Do not assign an R&D code to supplies or housekeeping services purchased in support of research and development work; such supplies shall be coded in accordance with Section I, Part C and the services in accordance with Section 1, Part B.

The R&D code is composed of two alphabetic and two numeric digits. The first digit is always the letter "A" to identify R&D, the second digit is alphabetic "A to Z" to identify the major category, the third digit is numeric 1 to 9 to identify a subdivision of the major category, and the fourth digit will be 1 to 6, to identify the appropriate stage of R&D shown below.

Stages of R&D Codes (4th Position)

Code	Meaning
1	Basic Research
2	Applied Research and Exploratory Development
3	Advanced Development
4	Engineering Development
5	Operational Systems Development
6	Management and Support

Procurement personnel responsible for R&D actions shall obtain sufficient information from requisitioning personnel to permit accurate classification.

When completing this item, the precise R&D Service being purchased shall be coded.

Example: A contract for research on air pollution by aircraft shall be shown under "Environmental Protection R&D (AH2*)" for air pollution, and not under aircraft.

Test and evaluation effort shall be coded under the stage of R&D involved. For example, the testing of a developmental prototype would generally be coded under Code 3, Advanced Development.

DEFINITIONS OF STAGES OF R&D

The following terms and categories relating to "research and development" are for management of R&D and RDT&E programs. The term "research and development" normally encompasses the "first" five categories below. For example, construction of recreational facilities at an installation used exclusively or generally for research and development would not normally be procurement of "research and development" but it is sometimes included in the sixth category in order to classify obligations according to the ultimate purpose of the procurement.

- (1) Basic Research - includes all scientific effort and experimentation directed toward increasing knowledge and understanding in those fields of the physical, engineering, environmental, social, and life sciences related to long-term national needs. It provides fundamental knowledge ultimately required for the solution of social, economic, political, physical, or military problems. It forms a part of the base for subsequent applied research and exploratory and advanced development in the various disciplines, and new or improved functional capabilities.
- (2) Applied Research and Exploratory Development - includes all effort directed toward the solution of specific problems, short of major development projects. This type of effort may vary from fairly fundamental applied research to quite sophisticated bread-board hardware, study, programming, and planning efforts. It would thus include investigations and minor development effort. The dominant characteristic of this category of effort is that it be pointed toward specific problem areas with a view toward developing and evaluating the feasibility and practicability of proposed solutions and determining their parameters.
- (3) Advanced Development - includes all effort directed toward projects which have moved into e.g. the development of hardware for test. The prime result of this type of effort is proof of design concept and/or prototype.
- (4) Engineering Development - includes those projects in full-scale engineering development for Government use but which have not yet received approval for production or had production funds included in the budget submission for the current or subsequent fiscal year. Thus are characterized by major line item projects.
- (5) Operational Systems Development - includes those projects still in full-scale engineering development but which have received approval for production, or production funds have been included in the budget submission for the current or subsequent fiscal year.
- (6) Management and Support - includes all effort directed toward support installations or operations required for general research and development. Included would be construction of a general nature unrelated to specific programs, maintenance and

support of laboratories, operation and maintenance of test ranges, and maintenance of test aircraft, equipment, or ships. Costs of laboratory personnel, either in house or contractor, would be assigned to appropriate projects or program areas above.

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SECTION 1, PART A - RESEARCH AND DEVELOPMENT

Category	Description	Page
AA	Agriculture	6
AB	Community Services and Development	6
AC	Defense Systems	6
AD	Defense - Other	7
AE	Economic Growth and Productivity.....	7
AF	Education	7
AG	Energy	7
AH	Environmental Protection	8
AJ	General Science and Technology	8
AK	Housing	8
AL	Income Security.....	8
AM	International Affairs and Cooperation.....	8
AN	Medical	9
AP	Natural Resources.....	9
AQ	Social Services	9
AR	Space	9
AS	Transportation, Modal	10
AT	Transportation, General	10
AV	Mining.....	10
AZ	Other Research and Development.....	10

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

Research and Development Codes

Code(*) Meaning

AGRICULTURE R&D (AA)

AA1_ Agriculture Insect and Disease Control
AA2_ Agriculture Marketing
AA3_ Agriculture Production
AA9_ Other Agriculture

COMMUNITY SERVICES AND DEVELOPMENT R&D (AB)

AB1_ Crime Prevention and Control
AB2_ Fire Prevention and Control
AB3_ Rural Community Services and Development
AB4_ Urban Community Services and Development
AB9_ Other Community Services and Development

DEFENSE SYSTEMS R&D (AC)

AC1_ Defense Aircraft
AC2_ Defense Missile and Space Systems
AC3_ Defense Ships
AC4_ Defense Tank - Automotive
AC5_ Weapons
AC6_ Defense Electronics and Communication Equipment
AC9_ Miscellaneous Defense Hard Goods

*For the fourth position (__) or low order position, enter one of the codes (1 through 6) for the stages of R&D (see page 2). Asterisks are not to be entered as part of the code.

Code(*) Meaning

DEFENSE - OTHER R&D (AD)

AD1_ Ammunition
AD2_ Services
AD3_ Subsistence
AD4_ Textiles, Clothing and Equipage
AD5_ Fuels and Lubricants
AD6_ Construction
AD9_ Other Defense

ECONOMIC GROWTH AND PRODUCTIVITY R&D (AE)

AE1_ Employment Growth and Productivity
AE2_ Product or Service Improvement
AE3_ Manufacturing Technology
AE9_ Other Economic Growth and Productivity

EDUCATION R&D (AF)

AF1_ Education

ENERGY R&D (AG)

AG1_ Coal
AG2_ Gas
AG3_ Geothermal
AG4_ Wind Energy
AG5_ Nuclear
AG6_ Petroleum
AG7_ Solar/Photovoltaic
AG8_ Conservation of Energy
AG9_ Other Energy

*For the fourth position () or low order position, enter one of the codes (1 through 6) for the stages of R&D (see page 2). Asterisks are not to be entered as part of the code.

Code(*) Meaning

ENVIRONMENTAL PROTECTION R&D (AH)

- AH1_ Pollution Control and Abatement
- AH2_ Air Pollution
- AH3_ Water Pollution
- AH4_ Noise Pollution
- AH9_ Other Environmental Protection

GENERAL SCIENCE AND TECHNOLOGY R&D (AJ)

- AJ1_ Physical Sciences
- AJ2_ Mathematical and Computer Sciences
- AJ3_ Environmental Sciences
- AJ4_ Engineering
- AJ5_ Life Sciences
- AJ6_ Psychological Sciences
- AJ7_ Social Sciences
- AJ9_ Other Sciences Not Elsewhere Classified

HOUSING R&D (AK)

- AK1_ Housing

INCOME SECURITY R&D (AL)

- AL1_ Employment
- AL2_ Income Maintenance
- AL9_ Other Income Security

INTERNATIONAL AFFAIRS AND COOPERATION R&D (AM)

- AM1_ International Affairs and Cooperation

*For the fourth position (__) or low order position, enter one of the codes (1 through 6) for the stages of R&D (see page 2). Asterisks are not to be entered as part of the code.

Code(*) Meaning

MEDICAL R&D (AN)

- AN1_ Biomedical
- AN2_ Drugs Dependency
- AN3_ Alcohol Dependency
- AN4_ Health Services
- AN5_ Mental Health
- AN6_ Rehabilitative Engineering
- AN7_ Specialized Medical Services
- AN8_ AIDS Research
- AN9_ Other Medical

NATURAL RESOURCES R&D (AP)

- AP2_ Land
- AP3_ Mineral
- AP4_ Recreation
- AP5_ Marine and Oceanographic
- AP6_ Marine Fisheries
- AP7_ Atmospheric
- AP9_ Other Natural Resources

SOCIAL SERVICES R&D (AQ)

- AQ1_ Geriatric (Other Than Medical)
- AQ9_ Other Social Services

SPACE R&D (AR)

- AR1_ Aeronautics and Space Technology
- AR2_ Space Science and Applications
- AR3_ Space Flight
- AR4_ Space Operations (Tracking and Data Acquisition)

*For the fourth position (__) or low order position, enter one of the codes (1 through 6) for the stages of R&D (see page 2). Asterisks are not to be entered as part of the code.

Code(*) Meaning

TRANSPORTATION - MODAL R&D (AS)

AS1_ Air Transportation
AS2_ Surface Motor Vehicles
AS3_ Rail Transportation
AS4_ Marine Transportation
AS9_ Other Modal Transportation

TRANSPORTATION - GENERAL R&D (AT)

AT1_ Highways, Roads, and Bridges
AT2_ Human Factors Concerning Transportation
AT3_ Navigation and Navigational Aids
AT4_ Passenger Safety and Security
AT5_ Pipeline Safety
AT6_ Traffic Management
AT7_ Tunnels and Other Subsurface Structures
AT8_ Transporting Hazardous Materials
AT9_ Other General Transportation

MINING ACTIVITIES R&D (AV)

AV1_ Subsurface Mining Equipment
AV2_ Surface Mining Equipment
AV3_ Subsurface Mining Methods
AV4_ Surface Mining Methods
AV5_ Mining Reclamation Methods
AV6_ Mining Safety
AV7_ Metallurgical
AV9_ Other Mining Activities

OTHER RESEARCH AND DEVELOPMENT R&D (AZ)

AZ1_ Other Research and Development

*For the fourth position (_) or low order position, enter one of the codes (1 through 6) for the stages of R&D (see page 2). Asterisks are not to be entered as part of the code.

SECTION I - PART B
SERVICE CODES

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SECTION I, PART B - SERVICES

All services except research and development work shall be coded in accordance with Part B. Each category is assigned a series of 4-digit codes for specific types of services. The code consists of a letter in the high order position which identifies one of the 23 categories of services listed below, and 3 numeric digits identifying a specific service within each category.

Category	Description	Page
B	Special Studies and Analyses - Not R&D.....	13
C	Architect and Engineering Services - Construction	14
D	Automatic Data Processing and Telecommunication Services	15
E	Purchase of Structures and Facilities.....	16
F	Natural Resources Management	16
G	Social Services.....	17
H	Quality Control, Testing and Inspection Services.....	17
J	Maintenance, Repair, and Rebuilding of Equipment.....	18
K	Modification of Equipment.....	18
L	Technical Representative Services.....	18
M	Operation of Government-Owned Facility	18
N	Installation Equipment.....	18
P	Salvage Services	19
Q	Medical Services	19
R	Professional, Administrative and Management Support Services.....	20
S	Utilities and Housekeeping Services	22
T	Photographic, Mapping, Printing, and Publication Services	23
U	Education and Training Services	23
V	Transportation, Travel and Relocation Services	23
W	Lease or Rental of Equipment.....	25
X	Lease or Rental of Facilities	26
Y	Construction of Structures and Facilities.....	26
Z	Maintenance, Repair or Alteration of Real Property.....	26
	MULTIPLE USE CODES FOR BUILDINGS AND FACILITIES.....	27

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SERVICE CODES

Code Meaning

SPECIAL STUDIES AND ANALYSES - NOT R&D (B)

B502 Air Quality Analyses
B503 Archeological/Paleontological Studies
B504 Chemical/Biological Studies and Analyses
B505 Cost Benefit AnalyseS
B506 Data Analyses (other than scientific)
B507 Economic Studies
B509 Endangered Species Studies - Plant and Animal
B510 Environmental Studies and Assessments
B513 Feasibility Studies (non-construction)
B516 Animal and Fisheries Studies
B517 Geological Studies
B518 Geophysical Studies
B519 Geotechnical Studies
B520 Grazing/Range Studies
B521 Historical Studies
B522 Legal Studies
B524 Mathematical/Statistical Analyses
B525 Natural Resource Studies
B526 Oceanological Studies
B527 Recreation Studies
B528 Regulatory Studies
B529 Scientific Data Studies
B530 Seismological Studies
B532 Soil Studies
B533 Water Quality Studies
B534 Wildlife Studies
B537 Medical and Health Studies
B538 Intelligence Studies
B539 Aeronautic/Space Studies
B540 Building Technology Studies
B541 Defense Studies

Code Meaning

- B542 Educational Studies and Analyses
- B543 Energy Studies
- B544 Technology Studies
- B545 Housing and Community Development Studies
- B546 Security Studies (Physical and Personal)
- B547 Accounting/Financial Management Studies
- B548 Trade Issue Studies
- B549 Foreign Policy/National Security Policy Studies
- B550 Organization/Administrative/Personnel Studies
- B551 Mobilization/Preparedness Studies
- B552 Manpower Studies
- B553 Communications Studies
- B554 Acquisition Policy/Procedures Studies
- B555 Elderly/Handicapped Studies
- B599 Other Special Studies and Analyses

ARCHITECT AND ENGINEERING SERVICES (C)

ARCHITECT AND ENGINEERING SERVICES - CONSTRUCTION (C1)

BUILDING AND FACILITY STRUCTURES (C11)

- C111 Administrative and Service Buildings
- C112 Airfield, Communication and Missile Facilities
- C113 Educational Buildings
- C114 Hospital Buildings
- C115 Industrial Buildings
- C116 Residential Buildings
- C117 Warehouse Buildings
- C118 Research and Development Facilities
- C119 Other Buildings

NON-BUILDING STRUCTURES (C12)

- C121 Conservation and Development
- C122 Highways, Roads, Streets, Bridges, and Railways
- C123 Electric Power Generation (EPG)
- C124 Utilities
- C129 Other Non-Building Structures

Code Meaning

C130 Restoration

ARCHITECT AND ENGINEERING SERVICES - GENERAL (C2)

- C211 Architect - Engineer Services (including landscaping, interior layout, and designing)
- C212 Engineering Drafting Services
- C213 A&E Inspection Services (non-construction)
- C214 A&E Management Engineering Services
- C215 A&E Production Engineering Services (including Design and Control, and Building Programming)
- C216 Marine Architect and Engineering Services
- C219 Other Architect and Engineering Services

AUTOMATIC DATA PROCESSING AND TELECOMMUNICATION SERVICES (D3)

- D301 ADP Facility Operation and Maintenance Services
- D302 ADP Systems Development Services
- D303 ADP Data Entry Services
- D304 ADP Telecommunications and Transmission Services
- D305 ADP Teleprocessing and Timesharing Services
- D306 ADP Systems Analysis Services
- D307 Automated Information System Design and Integration Services
- D308 Programming Services
- D309 Information and Data Broadcasting or Data Distribution Services
- D310 ADP Backup and Security Services
- D311 ADP Data Conversion Services
- D312 ADP Optical Scanning Services
- D313 Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
- D314 ADP System Acquisition Support Services. Includes preparation of statement of work, benchmarks, specifications, etc.
- D315 Digitizing Services. Includes cartographic and geographic information.
- D316 Telecommunications Network Management Services
- D317 Automated News Services, Data Services, or Other Information Services. Buying data, the electronic equivalent of books, periodicals, newspapers, etc.
- D399 Other ADP and Telecommunications Services (includes data storage on tapes, compact disks, etc.)

Code Meaning

PURCHASE OF STRUCTURES AND FACILITIES (E)

E*** Purchase of Structures and Facilities

NATURAL RESOURCES AND CONSERVATION SERVICES (F)

- F001 Aerial Fertilization/Spraying Services
- F002 Aerial Seeding Services
- F003 Forest/Range Fire Suppression/Presuppression Services
- F004 Forest/Range Fire Rehabilitation Services (non-construction)
- F005 Forest Tree Planting Services
- F006 Land Treatment Practices Services (plowing/clearing, etc.)
- F007 Range Seeding Services (ground equipment)
- F008 Recreation Site Maintenance Services (non-construction)
- F009 Seed Collection/Production Services
- F010 Seedling Production/Transplanting Services
- F011 Surface Mining Reclamation Services (non-construction)
- F012 Survey Line Clearing Services
- F013 Tree Breeding Services
- F014 Tree Thinning Services
- F015 Well Drilling/Exploratory Services
- F016 Wildhorse/Burro Control Services
- F018 Other Range/Forest Improvements Services (non-construction)
- F019 Other Wildlife Management Services
- F020 Fisheries Resources Management Services
- F021 Site Preparation
- F022 Fish Hatchery Services
- F099 Other Natural Resources and Conservation Services

ENVIRONMENTAL SYSTEMS PROTECTION (F1)

- F101 Air Quality Support Services
- F102 Industrial Investigation Surveys and Technical Support Related to Air Pollution

***In these three positions, enter the 3 digits of the multiple use codes at the end of this section. Asterisks are not to be entered as part of the code.

Code Meaning

- F103 Water Quality Support Services
- F104 Industrial Investigation Surveys and Technical Support Related to Water Pollution
- F105 Pesticides Support Services
- F106 Toxic Substances Support Services
- F107 Hazardous Substance Analysis
- F108 Hazardous Substance Removal, Cleanup, and Disposal Services and Operational Support
- F109 Leaking Underground Storage Tank Support Services
- F110 Development of Environmental Impact Statements and Assessments
- F111 Industrial Investigations, Surveys and Technical Support for Multiple Pollutants
- F112 Oil Spill Response including Cleanup, Removal, Disposal and Operational Support
- F999 Other Environmental Services, Studies, and Analytical Support

SOCIAL SERVICES (G)

- G001 Care of Remains and/or Funeral Services
- G002 Chaplain Services
- G003 Recreational Services
- G004 Social Rehabilitation Services
- G005 Geriatric Services
- G006 Government Life Insurance Programs
- G007 Government Health Insurance Programs
- G008 Other Government Insurance Programs
- G009 Non-Government Insurance Programs
- G010 Direct aid to tribal Governments and organizations provided by contract pursuant to Public Law (P.L.) 93-638
- G099 Other Social Services

QUALITY CONTROL, TESTING, AND INSPECTION SERVICES (H)

- H1** Quality Control Services
- H2** Equipment and Materials Testing

**In these two positions, enter first 2 digits of FSC Code from Part C, or 99 for miscellaneous or general work. Asterisks are not to be entered as part of the code.

Code Meaning

- H3** Inspection Services (including commercial testing and laboratory services, except medical/dental)
- H9** Other Quality Control, Testing and Inspection Services

MAINTENANCE, REPAIR AND REBUILDING OF EQUIPMENT (J)

- J0** Maintenance, Repair and Rebuilding of Equipment
- J998 Non-nuclear Ship Repair (East) Ship repair (including overhauls and conversions) performed on non-nuclear propelled and nonpropelled ships east of the 108th meridian
- J999 Non-nuclear Ship Repair (West) Ship repair (including overhauls and conversions) performed on. non-nuclear propelled and nonpropelled ships west of the 108th meridian

MODIFICATION OF EQUIPMENT (K)

- K0** Modification of Equipment

TECHNICAL REPRESENTATIVE SERVICES (L)

- L0** Technical Representation Services

OPERATION OF GOVERNMENT-OWNED FACILITIES (M)

- M*** Operation of Government-Owned Facilities

INSTALLATION OF EQUIPMENT (N)

- N0** Installation of Equipment

**In these two positions, enter first 2 digits of FSC Code from Part C, or 99 for miscellaneous or general work. Asterisks are not to be entered as part of the code.

***In these three positions, enter the 3 digits of the multiple use codes at the end of this section. Asterisks are not to be entered as part of the code.

Code Meaning

SALVAGE SERVICE (P)

- P100 Preparation and Disposal of Excess and Surplus Property
- P200 Salvage of Aircraft
- P300 Salvage of Marine Vessels
- P400 Demolition of Buildings
- P500 Demolition of Structures or Facilities (Other than Buildings)
- P999 Other Salvage Services

MEDICAL SERVICES (Q)

- Q101 Dependent Medicare Services
- Q201 General Health Care Services
- Q301 Laboratory Testing Services
- Q401 Nursing Services
- Q402 Nursing Home Care Contracts
- Q403 Evaluation and Screening
- Q501 Anesthesiology Services
- Q502 Cardio-Vascular Services
- Q503 Dentistry Services
- Q504 Dermatology Services
- Q505 Gastroenterology Services
- Q506 Geriatric Services
- Q507 Gynecology Services
- Q508 Hematology Services
- Q509 Internal Medicine Services
- Q510 Neurology Services
- Q511 Ophthalmology Services
- Q512 Optometry Services
- Q513 Orthopedic Services
- Q514 Otolaryngology Services
- Q515 Pathology Services
- Q516 Pediatric Services
- Q517 Pharmacology Services
- Q518 Physical Medicine and Rehabilitation Services
- Q519 Psychiatry Services
- Q520 Podiatry Services
- Q521 Pulmonary Services
- Q522 Radiology Services
- Q523 Surgery Services

Code Meaning

- Q524 Thoracic Services
- Q525 Urology Services
- Q526 Medical/Psychiatric Consultation Services
- Q527 Nuclear Medicine
- Q999 Other Medical Services

PROFESSIONAL, ADMINISTRATIVE AND MANAGEMENT SUPPORT SERVICES (R)

PROFESSIONAL SERVICE (R4)

- R401 Personal Care Services (includes such services as barber and beauty shop, shoe repairs, tailoring, etc.)
- R402 Real Estate Brokerage Services
- R404 Land Surveys, Cadastral Services (non-construction)
- R405 Operations Research and Quantitative Analysis Services
- R406 Policy Review/Development Services
- R407 Program Evaluation Services
- R408 Program Management/Support Services
- R409 Program Review/Development Services
- R411 Real Property Appraisals Services (SIC 6531)
- R412 Simulation
- R413 Specifications Development Services
- R414 Systems Engineering Services
- R415 Technology Sharing/Utilization Services
- R416 Veterinary/Animal Care Services
- R418 Legal Services
- R419 Educational Services
- R420 Certifications and Accreditations for products and institutions other than educational institutions
- R421 Technical Assistance
- R422 Market Research and Public Opinion Services (includes telephone and field interviews, focus testing, and surveys)
- R423 Intelligence Services
- R424 Expert Witness
- R425 Engineering and Technical Services
- R426 Communications Services
- R427 Weather Reporting/Observation Services
- R428 Industrial Hygienics
- R497 Personal Services Contracts
- R498 Patent and Trademark Services

Code Meaning

- R499 Other Professional Services

ADMINISTRATIVE SUPPORT SERVICES (R6)

- R602 Courier and Messenger Services
- R603 Transcription Services
- R604 Mailing and Distribution Services
- R605 Library Services
- R606 Court Reporting Services
- R607 Word Processing/Typing Services
- R608 Translation and Interpreting Services(Including Sign Language)
- R609 Stenographic Services
- R610 Personal Property Management Services
- R611 Credit Reporting Services
- R612 Information Retrieval
- R613 Post Office Services
- R614 Paper Shredding Services
- R699 Other Administrative Support Services

MANAGEMENT SUPPORT SERVICES (R7)

- R701 Advertising Services
- R702 Data Collection Services
- R703 Accounting Services (NOTE: New code created for Financial Services See R710 below)
- R704 Auditing Services
- R705 Debt Collection Services
- R706 Logistics Support Services
- R707 Contract, Procurement, and Acquisition Support Services
- R708 Public Relations Services(includes writing services, event planning and management, media relations, radio and television analysis, and press services)
- R709 Ongoing Audit Operations Support
- R710 Financial Services (includes credit card services and any other financial services. See revision to description for code R703 above)
- R711 Banking Services(includes accepting and cashing government checks and other payment instruments, accepting direct deposits, accepting payments to the government from the public such as excise taxes and duties, maintaining bank accounts)
- R712 Coin Minting

Code Meaning

- R713 Banknote Printing
- R799 Other Management Support Services

UTILITIES AND HOUSEKEEPING SERVICES (S)

UTILITIES (S1)

- S111 Gas Services
- S112 Electric Services
- S113 Telephone and/or Communications Services (includes Telegraph, Telex, and Cablevision Services)
- S114 Water Services
- S119 Other Utilities

HOUSEKEEPING SERVICES (S2)

- S201 Custodial Janitorial Services
- S202 Fire Protection Services
- S203 Food Services
- S204 Fueling and Other Petroleum Services - Excluding Storage
- S205 Trash/Garbage Collection Services - Including Portable Sanitation Services
- S206 Guard Services
- S207 Insect and Rodent Control Services
- S208 Landscaping/Groundskeeping Services
- S209 Laundry and DryCleaning Services
- S211 Surveillance Services
- S212 Solid Fuel Handling Services
- S214 Carpet Laying and Cleaning
- S215 Warehousing and Storage Services
- S216 Facilities Operations Support Services
- S217 Interior Plantscaping
- S218 Snow Removal/Salt Service (also spreading aggregate or other snow melting material)
- S222 Waste Treatment and Storage
- S299 Other Housekeeping Services

Code Meaning

PHOTOGRAPHIC, MAPPING, PRINTING, AND PUBLICATION SERVICES (T)

- T001 Arts/Graphics Services

T002 Cartography Services
T003 Cataloging Services
T004 Charting Services
T005 Film Processing Services
T006 Film/Video Tape Production Services
T007 Microform Services
T008 Photogrammetry Services
T009 Aerial Photographic Services
T010 General Photographic Services - Still
T011 Print/Binding Services
T012 Reproduction Services
T013 Technical Writing Services
T014 Topography Services
T015 General Photographic Services - Motion
T016 Audio/Visual Services
T099 Other Photographic, Mapping, Printing, and Publication Services

EDUCATION AND TRAINING SERVICES (U)

U001 Lectures For Training
U002 Personnel Testing
U003 Reserve Training (Military)
U004 Scientific and Management Education
U005 Tuition, Registration, and Membership Fees
U006 Vocational/Technical
U007 Faculty Salaries for Dependent Schools
U008 Training/Curriculum Development
U009 Education Services
U010 Certifications and Accreditations for Educational Institutions
U011 AIDS Training
U012 ADP Software, Equipment, and Telecommunications Training
U099 Other Education and Training Services

TRANSPORTATION, TRAVEL AND RELOCATION SERVICES (V)

V002 Motor Pool Operations
V003 Packing/Crating Services
Code Meaning

TRANSPORTATION OF THINGS (V1)

CARGO AND FREIGHT SERVICES (V11)

- V111 Air Freight
- V112 Motor Freight
- V113 Rail Freight
- V114 Stevedoring
- V115 Vessel Freight
- V119 Other Cargo and Freight Services

VEHICLE CHARTER FOR TRANSPORTATION OF THINGS (V12)

- V121 Air Charter for Things
- V122 Motor Charter for Things
- V123 Rail Charter for Things
- V124 Marine Charter for Things
- V125 Vessel Towing Service
- V126 Space Transportation and Launch Services
- V127 Security Vehicle Services
- V129 Other Vehicle Charter for Transportation of Things

TRAVEL OF PERSONS (V2)

PASSENGER SERVICES (V21)

- V211 Air Passenger Service
- V212 Motor Passenger Services
- V213 Rail Passenger Service
- V214 Marine Passenger Service

VEHICLE CHARTER FOR PASSENGERS (WITH OPERATORS) (V22)

- V221 Passenger Air Charter Service
- V222 Passenger Motor Charter Service
- V223 Passenger Rail Charter Service
- V224 Passenger Marine Charter Service
- V225 Ambulance Service
- V226 Taxicab Services

Code Meaning

- V227 Navigational Aid and Pilotage Services

LODGING - HOTEL/MOTEL (V23)

V231 Lodging - Hotel/Motel

**MILITARY PERSONNEL RECRUITMENT (INCLUDING SUBSISTENCE AND/OR LODGING)
(V24)**

V241 Military Personnel Recruitment

CIVILIAN PERSONNEL RECRUITMENT (V25)

V251 Civilian Personnel Recruitment

OTHER TRANSPORTATION TRAVEL AND RELOCATION SERVICES (V3)

V301 Relocation Services

V302 Travel Agent Services

V999 Other Transportation Travel and Relocation Services

LEASE OR RENTAL OF EQUIPMENT (W)

W0** Lease or Rental of Equipment

**In these two positions, enter first 2 digits of FSC Code from Part C, or 99 for miscellaneous or general work. Asterisks are not to be entered as part of the code.

***In these three positions, enter the 3 digits of the multiple use codes at the end of this section. Asterisks are not to be entered as part of the code.

Code Meaning

LEASE OR RENTAL OF FACILITIES (X)

X*** Lease or Rental of Facilities

CONSTRUCTION OF STRUCTURES AND FACILITIES (Y)

Y*** Construction of Structures and Facilities

MAINTENANCE, REPAIR, OR ALTERATION OF REAL PROPERTY (Z)

Z*** Maintenance, Repair or Alteration of Real Property

**In these two positions, enter first 2 digits of FSC Code from Part C, or 99 for miscellaneous or general work. Asterisks are not to be entered as part of the code.

***In these three positions, enter the 3 digits of the multiple use codes at the end of this section. Asterisks are not to be entered as part of the code.

MULTIPLE USE CODES FOR BUILDINGS AND FACILITIES

Use the three digit identifiers shown below preceded by the appropriate Category Letter "E" for purchase of Structure and Facilities; "M" for Operation of Government-Owned Facilities; "X" for Lease or Rental of Facilities; "Y" for Construction of Structures and Facilities; or "Z" for Maintenance, Repair or Alteration of Real Property.

Code Meaning

ADMINISTRATIVE FACILITIES AND SERVICE BUILDINGS

- 111 Office Buildings
- 112 Conference Space and Facilities
- 119 Other Administrative Facilities and Service Buildings

AIRFIELD, COMMUNICATIONS, AND MISSILE FACILITIES

- 121 Air Traffic Control Towers
- 122 Air Traffic Control Training Facilities
- 123 Radar and Navigational Facilities
- 124 Airport Runways
- 125 Airport Terminals
- 126 Missile System Facilities
- 127 Electronic and Communications Facilities
- 129 Other Airfield Structures

EDUCATIONAL BUILDINGS

- 131 Schools
- 139 Other Educational Buildings

HOSPITAL BUILDINGS

- 141 Hospitals and Infirmaries
- 142 Laboratories and Clinics
- 149 Other Hospital Buildings

Code Meaning

INDUSTRIAL BUILDINGS

- 151 Ammunition Facilities
- 152 Maintenance Buildings
- 153 Production Buildings
- 154 Ship Construction and Repair Facilities
- 155 Tank Automotive Facilities
- 159 Other Industrial Buildings

RESIDENTIAL BUILDINGS

- 161 Family Housing Facilities
- 162 Recreational Buildings
- 163 Troop Housing Facilities
- 164 Dining Facilities
- 165 Religious Facilities
- 166 Penal Facilities
- 169 Other Residential Buildings

WAREHOUSE BUILDINGS

- 171 Ammunition Storage Buildings
- 172 Food or Grain Storage Buildings
- 173 Fuel Storage Buildings
- 174 Open Storage Facilities
- 179 Other Warehouse Buildings

RESEARCH AND DEVELOPMENT FACILITIES

- 181 Government-Owned Contractor-Operated (GOCO) R&D Facilities
- 182 Government-Owned Government-Operated (GOGO) R&D Facilities
- 183 GOCO Environmental Laboratories
- 184 GOGO Environmental Laboratories

Code Meaning

OTHER BUILDINGS

- 191 Museums and Exhibition Buildings
- 192 Testing and Measurement Buildings
- 199 Miscellaneous Buildings

CONSERVATION AND DEVELOPMENT FACILITIES

- 211 Dams
- 212 Canals
- 213 Mine Fire Control Facilities
- 214 Mine Subsidence Control Facilities
- 215 Surface Mine Reclamation Facilities
- 216 Dredging
- 219 Other Conservation and Development Facilities

HIGHWAYS, ROADS, STREETS, BRIDGES, AND RAILWAYS

- 221 Airport Service Roads
- 222 Highways, Roads, Streets, Bridges, and Railways (includes resurfacing)
- 223 Tunnels and Subsurface Structures
- 224 Parking Facilities Conservation

ELECTRIC POWER GENERATION (EPG) FACILITIES

- 231 EPG Facilities - Coal
- 232 EPG Facilities - Gas
- 233 EPG Facilities - Geothermal
- 234 EPG Facilities - Hydro
- 235 EPG Facilities - Nuclear
- 236 EPG Facilities - Petroleum
- 237 EPG Facilities - Solar
- 239 EPG Facilities - Other, Including Transmission

UTILITIES

- 241 Fuel Supply Facilities

Code Meaning

- 242 Heating and Cooling Plants
- 243 Pollution Abatement and Control Facilities
- 244 Sewage and Waste Facilities
- 245 Water Supply Facilities
- 249 Other Utilities

OTHER NON-BUILDING FACILITIES

- 291 Recreation Facilities (Non-Building)
- 292 Exhibit Design (Non-Building)
- 293 Unimproved Real Property (Land)
- 294 Waste Treatment and Storage Facilities
- 299 Other Non-Building Facilities

RESTORATION ACTIVITIES

- 300 Restoration of real property (public or private). All actions necessary to restore, rehabilitate, or reclaim property subsequent to an accident, incident, construction, test, dumping, waste storage, natural disaster, act of war, Government action, or direction by a court of competent jurisdiction.

SECTION I - PART C
SUPPLIES AND EQUIPMENT CODES

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

PART C - SUPPLIES AND EQUIPMENT

All supplies and equipment procurement shall be coded in accordance with Part C. This Part lists supplies and equipment codes of the Federal Supply Classification (FSC) which were developed for use in classifying items of supply identified under the Federal Cataloging Program.

The FSC is a commodity classification designed to serve the functions of supply and is sufficiently comprehensive in scope to permit the classification of all items of personal property. In order to accomplish this, groups and classes have been established for the universe of commodities, with emphasis on the items known to be in the supply systems of the Federal Government.

The structure of the FSC, as presently established, consists of 78 groups, which are subdivided into 685 classes. Each class covers a relatively homogeneous area of commodities, in respect to their physical or performance characteristics, or in the respect that the items included therein are such as are usually requisitioned or issued together, or constitute a related grouping for supply management purpose.

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SECTION I, PART C - SUPPLIES AND EQUIPMENT

FS Group	Description	Page
10	Weapons.....	52
11	Nuclear Ordnance.....	52
12	Fire Control Equipment.....	53
13	Ammunition and Explosives.....	53
14	Guided Missiles.....	54
15	Aircraft and Airframe Structural Components.....	54
16	Aircraft Components and Accessories.....	54
17	Aircraft Launching, Landing, and Ground Handling Equipment.....	55
18	Space Vehicles.....	55
19	Ships, Small Craft, Pontoons, and Floating Docks.....	55
20	Ship and Marine Equipment.....	55
21	Unassigned.....	
22	Railway Equipment.....	56
23	Ground Effect Vehicles, Motor Vehicles, Trailers, and Cycles.....	56
24	Tractors.....	56
25	Vehicular Equipment Components.....	56
26	Tires and Tubes.....	57
27	Unassigned.....	
28	Engines, Turbines, and Components.....	57
29	Engine Accessories.....	57
30	Mechanical Power Transmission Equipment.....	58
31	Bearings.....	58
32	Woodworking Machinery and Equipment.....	58
33	Unassigned.....	
34	Metalworking Machinery.....	58
35	Service and Trade Equipment.....	59
36	Special Industry Machinery.....	59
37	Agricultural Machinery and Equipment.....	60
38	Construction, Mining, Excavating, and Highway Maintenance Equipment.....	60
39	Materials Handling Equipment.....	61
40	Rope, Cable, Chain, and Fittings.....	61
41	Refrigeration, Air Conditioning, and Air Circulating Equipment.....	61
42	Fire Fighting, Rescue, and Safety Equipment; and Environmental Protection Equipment and Materials.....	61
43	Pumps and Compressors.....	62
44	Furnace, Steam Plant, and Drying Equipment; and Nuclear Reactors.....	62
45	Plumbing, Heating, and Waste Disposal Equipment.....	62
46	Water Purification and Sewage Treatment Equipment.....	62

FS Group	Description	Page
47	Pipe, Tubing, Hose, and Fittings	62
48	Valves	63
49	Maintenance and Repair Shop Equipment	63
50	Unassigned	
51	Hand Tools.....	63
52	Measuring Tools	63
53	Hardware and Abrasives	64
54	Prefabricated Structures and Scaffolding	64
55	Lumber, Millwork, Plywood, and Veneer	64
56	Construction and Building Materials	65
57	Unassigned	
58	Communication, Detection, and Coherent Radiation Equipment	65
59	Electrical and Electronic Equipment Components	66
60	Fiber Optics Materials, Components, Assemblies, and Accessories	66
61	Electric Wire, and Power and Distribution Equipment	67
62	Lighting Fixtures and Lamps	67
63	Alarm, Signal, and Security Detection Systems	67
64	Unassigned	
65	Medical, Dental, and Veterinary Equipment and Supplies	68
66	Instruments and Laboratory Equipment	68
67	Photographic Equipment.....	69
68	Chemicals and Chemical Products.....	69
69	Training Aids and Devices.....	69
70	Automatic Data Processing Equipment (Including Firmware), Software, Supplies and Support Equipment.....	69
71	Furniture	70
72	Household and Commercial Furnishings and Appliances.....	70
73	Food Preparation and Serving Equipment.....	70
74	Office Machines, Text Processing Systems and Visible Record Equipment.....	70
75	Office Supplies and Devices	71
76	Books, Maps, and Other Publications	71
77	Musical Instruments, Phonographs, and Home-Type Radios.....	71
78	Recreational and Athletic Equipment	71
79	Cleaning Equipment and Supplies	71
80	Brushes, Paints, Sealers, and Adhesives.....	72
81	Containers, Packaging, and Packing Supplies	72
82	Unassigned	
83	Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags	72
84	Clothing, Individual Equipment, and Insignia.....	72
85	Toiletries	73
86	Unassigned	
87	Agricultural Supplies	73
88	Live Animals.....	73
89	Subsistence	73
90	Unassigned	
91	Fuels, Lubricants, Oils, and Waxes.....	74

FS Group	Description	Page
92	Unassigned.....	
93	Nonmetallic Fabricated Materials	74
94	Nonmetallic Crude Materials	74
95	Metal Bars, Sheets, and Shapes	75
96	Ores, Minerals, and Their Primary Products.....	75
97	Unassigned.....	
98	Unassigned.....	
99	Miscellaneous	75

Alphabetical Listing By Product

FSC Product Name

5350 Abrasive Materials
3461 Accessories for Secondary Metalworking Machinery
7420 Accounting and Calculating Machines
9630 Additive Metal Materials
8040 Adhesives
7641 Aeronautical Maps, Charts and Geodetic Products
4120 Air Conditioning Equipment
4460 Air Purification Equipment
1660 Aircraft Air Conditioning, Heating, and Pressurizing Equipment
6340 Aircraft Alarm and Signal Systems
1280 Aircraft Bombing Fire Control Components
1730 Aircraft Ground Servicing Equipment
1270 Aircraft Gunnery Fire Control Components
1650 Aircraft Hydraulic, Vacuum, and De-icing System Components
1710 Aircraft Landing Equipment
1620 Aircraft Landing Gear Components
1720 Aircraft Launching Equipment
4920 Aircraft Maintenance and Repair Shop Specialized Equipment
1610 Aircraft Propellers and Components
1630 Aircraft Wheel and Brake Systems
1510 Aircraft, Fixed Wing
1520 Aircraft, Rotary Wing
1740 Airfield Specialized Trucks and Trailers
1560 Airframe Structural Components
8140 Ammunition and Nuclear Ordnance Boxes, Packages and Special Containers
4925 Ammunition Maintenance, Repair, and Checkout Specialized Equipment
1320 Ammunition, over 125 mm
1310 Ammunition, over 30 mm up to 75 mm
1305 Ammunition, through 30 mm
1315 Ammunition, 75 mm through 125 mm
5996 Amplifiers
5985 Antennas, Waveguides, and Related Equipment
6920 Armament Training Devices
8470 Armor, Personal
1090 Assemblies Interchangeable Between Weapons in Two or More Classes
7810 Athletic and Sporting Equipment
6615 Automatic Pilot Mechanisms and Airborne Gyro Components
7020 ADP Central Processing Unit (CPU, Computer), Analog
7021 ADP Central Processing Unit (CPU, Computer), Digital
7022 ADP Central Processing Unit (CPU, Computer), Hybrid
7050 ADP Components

Alphabetical Listing By Product

FSC Product Name

7025 ADP Input/Output and Storage Devices
7030 ADP Software
7045 ADP Supplies
7035 ADP Support Equipment
7010 ADPE System Configuration
8455 Badges and Insignia
8105 Bags and Sacks
8920 Bakery and Cereal Products
6250 Ballasts, Lampholders, and Starters
1930 Barges and Lighters, Cargo
1935 Barges and Lighters, Special Purpose
9510 Bars and Rods
9530 Bars and Rods, Nonferrous Base Metal
6135 Batteries, Nonrechargeable
6140 Batteries, Rechargeable
3110 Bearings, Antifriction, Unmounted
3130 Bearings, Mounted
3120 Bearings, Plain, Unmounted
3030 Belting, Drive Belts, Fan Belts, and Accessories
3441 Bending and Forming Machines
8965 Beverages, Alcoholic
8960 Beverages, Nonalcoholic
3940 Blocks, Tackle, Rigging, and Slings
5306 Bolts
1325 Bombs
7610 Books and Pamphlets
3411 Boring Machines
8125 Bottles and Jars
8115 Boxes, Cartons, and Crates
5341 Brackets
5420 Bridges, Fixed and Floating
3412 Broaching Machines
7920 Brooms, Brushes, Mops, and Sponges
5670 Building Components, Prefabricated
1376 Bulk Explosives
2050 Buoys
5365 Bushings, Rings, Shims, and Spacers
7125 Cabinets, Lockers, Bins, and Shelving
5995 Cable, Cord, and Wire Assemblies: Communication Equipment
6710 Cameras, Motion Picture

Alphabetical Listing By Product

FSC Product Name

6720 Cameras, Still Picture
1080 Camouflage and Deception Equipment
5910 Capacitors
1915 Cargo and Tanker Vessels
1377 Cartridge and Propellant Actuated Devices and Components
4330 Centrifugals, Separators, and Pressure and Vacuum Filters
4010 Chain and Wire Rope
3650 Chemical and Pharmaceutical Products Manufacturing Machinery
6630 Chemical Analysis Instruments
1040 Chemical Weapons and Equipment
6810 Chemicals
8450 Children's and Infants' Apparel and Accessories
5925 Circuit Breakers
3630 Clay and Concrete Products Industries Machinery
3694 Clean Work Stations, Controlled Environment, and Related Equipment
7930 Cleaning and Polishing Compounds and Preparations
8415 Clothing, Special Purpose
8955 Coffee, Tea, and Cocoa
5360 Coil, Flat, Leaf, and Wire Springs
5950 Coils and Transformers
5419 Collective Modular Support System
9915 Collectors' and/or Historical Items
1905 Combat Ships and Landing Vessels
2350 Combat, Assault, and Tactical Vehicles, Tracked
6695 Combination and Miscellaneous Instruments
8120 Commercial and Industrial Gas Cylinders
2060 Commercial Fishing Equipment
6940 Communication Training Devices
5810 Communications Security Equipment and Components
8970 Composite Food Packages
4310 Compressors and Vacuum Pumps
8950 Condiments and Related Products
5935 Connectors, Electrical
1130 Conversion Kits, Nuclear Ordnance
6130 Converters, Electrical, Nonrotating
6125 Converters, Electrical, Rotating
3910 Conveyors
3815 Crane and Crane-Shovel Attachments
3810 Cranes and Crane-Shovels
9410 Crude Grades of Plant Materials
3635 Crystal and Glass Industries Machinery

Alphabetical Listing By Product

FSC Product Name

7340 Cutlery and Flatware
3456 Cutting and Forming Tools for Secondary Metalworking Machinery
3455 Cutting Tools for Machine Tools
8910 Dairy Foods and Eggs
3730 Dairy, Poultry, and Livestock Equipment
2030 Deck Machinery
4230 Decontaminating and Impregnating Equipment
1075 Degaussing and Mine Sweeping Equipment
1375 Demolition Materials
6520 Dental Instruments, Equipment, and Supplies
1361 Depth Charge Explosive Components
1360 Depth Charge Inert Components
4923 Depth Charges and Underwater Mines Maintenance, Repair, and Checkout Specialized Equipment
2815 Diesel Engines and Components
7644 Digital Maps, Charts and Geodetic Products
5345 Disks and Stones, Abrasive
6675 Drafting, Surveying, and Mapping Instruments
7230 Draperies, Awnings, and Shades
7650 Drawings and Specifications
1955 Dredges
4440 Driers, Dehydrators, and Anhydrators
5133 Drill Bits, Counterbores, and Countersinks: Hand and Machine
3413 Drilling and Tapping Machines
1550 Drones
6505 Drugs and Biologicals
8110 Drums and Cans
6820 Dyes
3805 Earth Moving and Excavating Equipment
9925 Ecclesiastical Equipment, Furnishings, and Supplies
3431 Electric Arc Welding Equipment
6240 Electric Lamps
6230 Electric Portable and Hand Lighting Equipment
3432 Electric Resistance Welding Equipment
6220 Electric Vehicular Lights and Fixtures
5998 Electrical and Electronic assemblies, Boards, Cards, and Associated Hardware
6625 Electrical and Electronic Properties Measuring and Testing Instruments
3410 Electrical and Ultrasonic Erosion Machines
5977 Electrical Contact Brushes and Electrodes
6110 Electrical Control Equipment

Alphabetical Listing By Product

FSC Product Name

5975 Electrical Hardware and Supplies
5970 Electrical Insulators and Insulating Materials
5960 Electron Tubes and Associated Hardware
5865 Electronic Countermeasures, Counter-Countermeasures and Quick
Reaction Capability Equipment
5963 Electronic Modules
2945 Engine Air and Oil Filters, Cleaners, Aircraft Prime Moving
2940 Engine Air and Oil Filters, Strainers, and Cleaners, Nonaircraft
2930 Engine Cooling System Components, Nonaircraft
2925 Engine Electrical System Components, Aircraft Prime Moving
2920 Engine Electrical System Components, Nonaircraft
2915 Engine Fuel System Components, Aircraft and Missile Prime Movers
2910 Engine Fuel System Components, Nonaircraft
6620 Engine Instruments
2935 Engine System Cooling Components, Aircraft Prime Moving
6636 Environmental Chambers and Related Equipment
1145 Explosive and Pyrotechnic Components, Nuclear Ordnance
4140 Fans, Air Circulators, and Blower Equipment
5325 Fastening Devices
5660 Fencing, Fences, Gates and Components
8720 Fertilizers
6070 Fiber Optic Accessories and Supplies
6020 Fiber Optic Cable Assemblies and Harnesses
6015 Fiber Optic Cables
6010 Fiber Optic Conductors
6030 Fiber Optic Devices
6060 Fiber Optic Interconnectors
6080 Fiber Optic Kits and Sets
6032 Fiber Optic Light Sources and Photo Detectors
6035 Fiber Optic Light Transfer and Image Transfer Devices
6021 Fiber Optic Switches
4020 Fiber Rope, Cordage, and Twine
9420 Fibers: Vegetable, Animal, and Synthetic
6770 Film, Processed
5915 Filters and Networks
1220 Fire Control Computing Sights and Devices
1260 Fire Control Designating and Indicating Equipment
1210 Fire Control Directors
4931 Fire Control Maintenance and Repair Shop Specialized Equipment
1285 Fire Control Radar Equipment, except Airborne
1287 Fire Control Sonar Equipment

Alphabetical Listing By Product

FSC Product Name

1250 Fire Control Stabilizing Mechanisms
 1230 Fire Control Systems, Complete
 1265 Fire Control Transmitting and Receiving Equipment, except Airborne
 4210 Fire Fighting Equipment
 1920 Fishing Vessels
 4030 Fittings for Rope, Cable, and Chain
 8345 Flags and Pennants
 6610 Flight Instruments
 1950 Floating Drydocks
 7220 Floor Coverings
 7910 Floor Polishers and Vacuum Cleaning Equipment
 7310 Food Cooking, Baking, and Serving Equipment
 3605 Food Products Machinery and Equipment
 8945 Food, Oils and Fats
 8430 Footwear, Men's
 8435 Footwear, Women's
 8710 Forage and Feed
 3446 Forging Machinery and Hammers
 3680 Foundry Machinery, Related Equipment and Supplies
 3960 Freight Elevators
 8915 Fruits and Vegetables
 4530 Fuel Burning Equipment Units
 6116 Fuel Cell Power Units, Components, and Accessories
 9140 Fuel Oils
 9110 Fuels, Solid
 8325 Fur Materials
 5920 Fuses, Arrestors, Absorbers, and Protectors
 1390 Fuzes and Primers
 1135 Fuzing and Firing Devices, Nuclear Ordnance
 7820 Games, Toys, and Wheeled Goods
 3750 Gardening Implements and Tools
 3655 Gas Generating and Dispensing Systems, Fixed or Mobile
 2840 Gas Turbines and Jet Engines, Aircraft, Prime Moving; and Components
 2835 Gas Turbines and Jet Engines, Non-Aircraft; and Components
 3433 Gas Welding, Heat Cutting, and Metalizing Equipment
 6830 Gases: Compressed and Liquefied
 2810 Gasoline Reciprocating Engines, Aircraft Prime Mover; and Components
 2805 Gasoline Reciprocating Engines, Except Aircraft; and Components
 2850 Gasoline Rotary Engines and Components
 3414 Gear Cutting and Finishing Machines.
 3020 Gears, Pulleys, Sprockets, and Transmission Chain

Alphabetical Listing By Product

FSC Product Name

6115 Generators and Generator Sets, Electrical
 6655 Geophysical Instruments
 9340 Glass Fabricated Materials
 1540 Gliders
 1330 Grenades
 3415 Grinding Machines
 2305 Ground Effect Vehicles
 1337 Guided Missile and Space Vehicle Explosive Propulsion Units, Solid Fuel;
 and Components
 1338 Guided Missile and Space Vehicle Inert Propulsion Units, Solid Fuel; and
 Components
 1420 Guided Missile Components
 1450 Guided Missile Handling and Servicing Equipment
 4935 Guided Missile Maintenance, Repair, and Checkout Specialized Equipment
 1430 Guided Missile Remote Control Systems
 1427 Guided Missile Subsystems
 1425 Guided Missile Systems, Complete
 1336 Guided Missile Warheads and Explosive Components
 1410 Guided Missiles
 1020 Guns, over 125 mm through 150 mm
 1025 Guns, over 150 mm through 200 mm
 1030 Guns, over 200 mm through 300 mm
 1010 Guns, over 30 mm up to 75 mm
 1035 Guns, over 300 mm
 1005 Guns, through 30 mm
 1015 Guns, 75 mm through 125 mm
 5110 Hand Tools, Edged, Nonpowered
 5120 Hand Tools, Nonedged, Nonpowered
 5130 Hand Tools, Power Driven
 5340 Hardware, Commercial
 5342 Hardware, Weapon System
 3720 Harvesting Equipment
 6665 Hazard-Detecting Instruments and Apparatus
 4235 Hazardous Material Spill Containment and Clean-up Equipment and
 Material
 5964 Headsets, Handsets, Microphones and Speakers
 4420 Heat Exchangers and Steam Condensers
 1615 Helicopter Rotor Blades, Drive Mechanisms and Components.
 8440 Hoisery, Handwear, and Clothing Accessories, Men's
 8445 Hoisery, Handwear, and Clothing Accessories, Women's
 4720 Hose and Flexible Tubing

Alphabetical Listing By Product

FSC Product Name

4730 Hose, Pipe, Tube, Lubrication, and Railing Fittings

6532 Hospital and Surgical Clothing and Related Special Purpose Items
 6530 Hospital Furniture, Equipment, Utensils, and Supplies
 7240 Household and Commercial Utility Containers
 7210 Household Furnishings
 7105 Household Furniture
 3442 Hydraulic and Pneumatic Presses, Power Driven
 7642 Hydrographic Maps, Charts and Geodetic Products
 6550 In Vitro Diagnostic Substances, Reagents, Test Kits and Sets
 8465 Individual Equipment
 6210 Indoor and Outdoor Electric Lighting Fixtures
 3693 Industrial Assembly Machines
 4410 Industrial Boilers
 4430 Industrial Furnaces, Kilns, Lehrs, and Ovens
 3611 Industrial Marking Machines
 3530 Industrial Sewing Machines and Mobile Textile Repair Shops
 3660 Industrial Size Reduction Machinery
 5220 Inspection Gages and Precision Layout Tools
 5831 Intercommunication and Public Address Systems, Airborne
 5830 Intercommunication and Public Address Systems, Except Airborne
 9640 Iron and Steel Primary and Semifinished Products
 9670 Iron and Steel Scrap
 8930 Jams, Jellies, and Preserves
 9910 Jewelry
 7320 Kitchen Equipment and Appliances
 7330 Kitchen Hand Tools and Utensils
 5355 Knobs and Pointers
 6640 Laboratory Equipment and Supplies
 1345 Land Mines
 3416 Lathes
 1440 Launchers, Guided Missile
 1055 Launchers, Rocket and Pyrotechnic
 1045 Launchers, Torpedo and Depth Charge
 3510 Laundry and Dry Cleaning Equipment
 8330 Leather
 3645 Leather Tanning and Leather Working Industries Machinery
 6680 Liquid and Gas Flow, Liquid Level, and Mechanical Motion
 Measuring Instruments
 9135 Liquid Propellant Fuels and Oxidizers, Chemical Base
 9130 Liquid Propellants and Fuels, Petroleum Base
 8820 Live Animals, Not Raised for Food

Alphabetical Listing By Product

FSC Product Name

8810 Live Animals, Raised for Food
 2240 Locomotive and Rail Car Accessories and Components

2210 Locomotives
 4930 Lubrication and Fuel Dispensing Equipment
 8460 Luggage
 5940 Lugs, Terminals, and Terminal Strips
 5510 Lumber and Related Basic Wood Materials
 3470 Machine Shop Sets, Kits, and Outfits
 3460 Machine Tool accessories
 3450 Machine Tools, Portable
 3408 Machining Centers and Way-Type Machines
 3444 Manual Presses
 7640 Maps, Atlases, Charts, and Globes
 2040 Marine Hardware and Hull Items
 4220 Marine Lifesaving and Diving Equipment
 3920 Material Handling Equipment, Nonself-Propelled
 3915 Materials Feeders
 5210 Measuring Tools, Craftsmen's
 8905 Meat, Poultry, and Fish
 3443 Mechanical Presses, Power Driven
 6515 Medical and Surgical Instruments, Equipment, and Supplies
 6508 Medicated Cosmetics and Toiletries
 9930 Memorials; Cemeterial and Mortuary Equipment and Supplies
 3426 Metal Finishing Equipment
 3424 Metal Heat Treating and Non-Thermal Treating Equipment
 5335 Metal Screening
 6660 Meteorological Instruments and Apparatus
 5962 Microcircuits, Electronic
 7670 Microfilm, Processed
 1365 Military Chemical Agents
 3417 Milling Machines
 5520 Millwork
 5610 Mineral Construction Materials, Bulk
 9620 Minerals, Natural and Synthetic
 7042 Mini and Micro Computer Control Devices
 3820 Mining, Rock Drilling, Earth Boring, and Related Equipment
 1680 Miscellaneous Aircraft Accessories and Components
 6350 Miscellaneous Alarm, Signal, and Security Detection Systems
 1395 Miscellaneous Ammunition
 6160 Miscellaneous Battery Retaining Fixtures and Liners
 6850 Miscellaneous Chemical Specialties

Alphabetical Listing By Product

FSC Product Name

5895 Miscellaneous Communication Equipment
 3895 Miscellaneous Construction Equipment
 5680 Miscellaneous Construction Materials

9440 Miscellaneous Crude Agricultural and Forestry Products
 9430 Miscellaneous Crude Animal Products, Inedible
 6150 Miscellaneous Electric Power and Distribution Equipment
 5999 Miscellaneous Electrical and Electronic Components
 2995 Miscellaneous Engine Accessories, Aircraft
 2990 Miscellaneous Engine Accessories, Nonaircraft
 2895 Miscellaneous Engines and Components
 9390 Miscellaneous Fabricated Nonmetallic Materials
 6099 Miscellaneous Fiber Optic Components
 1290 Miscellaneous Fire Control Equipment
 7195 Miscellaneous Furniture and Fixtures
 7290 Miscellaneous Household and Commercial Furnishings and Appliances
 9999 Miscellaneous Items
 3419 Miscellaneous Machine Tools
 4940 Miscellaneous Maintenance and Repair Shop Specialized Equipment
 3990 Miscellaneous Materials Handling Equipment
 1195 Miscellaneous Nuclear Ordnance
 7490 Miscellaneous Office Machines
 3040 Miscellaneous Power Transmission Equipment
 5450 Miscellaneous Prefabricated Structures
 7690 Miscellaneous Printed Matter
 3449 Miscellaneous Secondary Metal Forming and Cutting Machines
 3590 Miscellaneous Service and Trade Equipment
 2090 Miscellaneous Ship and Marine Equipment
 3695 Miscellaneous Special Industry Machinery
 2590 Miscellaneous Vehicular Components
 1990 Miscellaneous Vessels
 9160 Miscellaneous Waxes, Oils, and Fats
 1095 Miscellaneous Weapons
 3438 Miscellaneous Welding Equipment
 3439 Miscellaneous Welding, Soldering, and Brazing Supplies and Accessories
 4910 Motor Vehicle Maintenance and Repair Shop Specialized Equipment
 2340 Motorcycles, Motor Scooters, and Bicycles
 6105 Motors, Electrical
 4970 Multiple Guided Weapons Specialized Maintenance and Repair Shop Equipment
 7720 Musical Instrument Parts and Accessories
 7710 Musical Instruments

Alphabetical Listing By Product

FSC Product Name

6605 Navigational Instruments
 1070 Nets and Booms, Ordnance
 7630 Newspapers and Periodicals
 5855 Night Vision Equipment, Emitted and Reflected Radiation

6260 Nonelectrical Lighting Fixtures
 9650 Nonferrous Base Metal Refinery and Intermediate Forms
 9680 Nonferrous Scrap
 9450 Nonmetallic Scrap, Except Textile
 5675 Nonwood Construction Lumber and Related Materials
 8315 Notions and Apparel Findings
 1105 Nuclear Bombs
 1140 Nuclear Components
 1125 Nuclear Demolition Charges
 1120 Nuclear Depth Charges
 1110 Nuclear Projectiles
 4470 Nuclear Reactors
 1127 Nuclear Rockets
 1115 Nuclear Warheads and Warhead Sections
 5310 Nuts and Washers
 5331 O-Ring
 7520 Office Devices and Accessories
 7110 Office Furniture
 7435 Office Information System Equipment
 7510 Office Supplies
 7450 Office Type Sound Recording and Reproducing Machines
 9150 Oils and Greases: Cutting, Lubricating, and Hydraulic
 6930 Operation Training Devices
 6540 Ophthalmic Instruments, Equipment, and Supplies
 6650 Optical Instruments, Test Equipment, Components and Accessories
 1240 Optical Sighting and Ranging Equipment
 5980 Optoelectronic Devices and Associated Hardware
 9610 Ores
 5955 Oscillators and Piezoelectric Crystals
 5811 Other Cryptologic Equipment and Components
 8405 Outerwear, Men's
 8410 Outerwear, Women's
 8135 Packaging and Packing Bulk Materials
 5330 Packing and Gasket Materials
 8320 Padding and Stuffing Materials
 8020 Paint and Artists' Brushes
 8010 Paints, Dopes, Varnishes, and Related Products

Alphabetical Listing By Product

FSC Product Name

9310 Paper and Paperboard
 1670 Parachutes; Aerial Pick Up, Delivery, Recovery Systems; and Cargo Tie
 Down Equipment
 2310 Passenger Motor Vehicles
 8510 Perfumes, Toilet Preparations, and Powders

8530 Personal Toiletry Articles
6840 Pest Control Agents and Disinfectants
3740 Pest, Disease, and Frost Control Equipment
3835 Petroleum Production and Distribution Equipment
7740 Phonograph Records
7730 Phonographs, Radios, and Television Sets: Home Type
6740 Photographic Developing and Finishing Equipment
6760 Photographic Equipment and Accessories
6730 Photographic Projection Equipment
6780 Photographic Sets, Kits, and Outfits
6750 Photographic Supplies
6635 Physical Properties Testing and Inspection
5630 Pipe and Conduit, Nonmetallic
4710 Pipe, Tube and Rigid Tubing
3418 Planers and Shapers
9330 Plastics Fabricated Materials
9535 Plate, Sheet, Strip, and Foil; Nonferrous Base Metal
9515 Plate, Sheet, Strip, Foil, and Leaf
9545 Plate, Sheet, Strip, Foil, and Wire: Precious Metal
4510 Plumbing Fixtures and Accessories
5530 Plywood and Veneer
1945 Pontoons and Floating Docks
4320 Power and Hand Pumps
9660 Precious Metals Primary Forms
5410 Prefabricated and Portable Buildings
5445 Prefabricated Tower Structures
8030 Preservative and Sealing Compounds
6685 Pressure, Temperature, and Humidity Measuring and Controlling Instruments
3610 Printing, Duplicating, and Bookbinding Equipment
3465 Production Jigs, Fixtures, and Templates
3615 Pulp and Paper Industries Machinery
7040 Punched Card Equipment
3445 Punching and Shearing Machines
1370 Pyrotechnics
5841 Radar Equipment, Airborne

Alphabetical Listing By Product

FSC Product Name

5840 Radar Equipment, Except Airborne
5821 Radio and Television Communication Equipment, Airborne
5820 Radio and Television Communication Equipment, Except Airborne
5826 Radio Navigation Equipment, Airborne
5825 Radio Navigation Equipment, Except Airborne
2220 Rail Cars
6330 Railroad Signal and Warning Devices
7830 Recreational and Gymnastic Equipment
4250 Recycling and Reclamation Equipment
8130 Reels and Spools
9350 Refractories and Fire Surfacing Materials
4130 Refrigeration and Air Conditioning Components
4110 Refrigeration Equipment
5945 Relays and Solenoids
6545 Replenishable Field Medical Sets, Kits, and Outfits
5905 Resistors
2020 Rigging and Rigging Gear
2230 Right-of-Way Construction and Maintenance Equipment, Railroad
5411 Rigid Wall Shelters
3448 Riveting Machines
5320 Rivets
3825 Road Clearing, Cleaning, and Marking Equipment
2845 Rocket Engines and Components
4927 Rocket Maintenance, Repair and Checkout Specialized Equipment
1340 Rockets, Rocket Ammunition and Rocket Components
3422 Rolling Mills and Drawing Machines
5650 Roofing and Siding Materials
3620 Rubber and Plastics Working Machinery
9320 Rubber Fabricated Materials
3770 Saddlery, Harness, Whips, and Related Animal Furnishings
4240 Safety and Rescue Equipment
3210 Sawmill and Planing Mill Machinery
3405 Saws and Filing Machines
5440 Scaffolding Equipment and Concrete Forms
6670 Scales and Balances
5305 Screws
8730 Seeds and Nursery Stock
5961 Semiconductor Devices and Associated Hardware
5180 Sets, Kits, and Outfits of Hand Tools

Alphabetical Listing By Product

FSC Product Name

5280 Sets, Kits, and Outfits of Measuring Tools
7360 Sets, Kits, Outfits and Modules, Food Preparation and Serving
4630 Sewage Treatment Equipment
7660 Sheet and Book Music
2010 Ship and Boat Propulsion Components
6320 Shipboard Alarm and Signal Systems
8335 Shoe Findings and Soling Materials
3520 Shoe Repairing Equipment
9905 Signs, Advertising Displays, and Identification Plates
1940 Small Craft
9920 Smokers' Articles and Matches
3710 Soil Preparation Equipment
6117 Solar Electric Power Systems
5835 Sound Recording and Reproducing Equipment
8935 Soups and Bouillons
4520 Space and Water Heating Equipment
1860 Space Survival Equipment
1820 Space Vehicle Components
1850 Space Vehicle Handling and Servicing Equipment
1840 Space Vehicle Launchers
4960 Space Vehicle Maintenance, Repair, and Checkout Specialized Equipment
1830 Space Vehicle Remote Control Systems
1810 Space Vehicles
8940 Special Dietary Foods and Food Specialty Preparations
1925 Special Service Vessels
3690 Specialized Ammunition and Ordnance Machinery and Related Equipment
1398 Specialized Ammunition Handling and Servicing Equipment
8475 Specialized Flight Clothing and Accessories
3685 Specialized Metal Container Manufacturing Machinery and Related Equipment
3670 Specialized Semiconductor, Microcircuit, and Printed Circuit Board
Manufacturing Machinery
8145 Specialized Shipping and Storage Containers
1190 Specialized Test and Handling Equipment, Nuclear Ordnance
7540 Standard Forms
7530 Stationery and Record Forms
2820 Steam Engines, Reciprocating; and Components
2825 Steam Turbines and Components
5860 Stimulated Coherent Radiation Devices, Components, and Accessories
5430 Storage Tanks
9520 Structural Shapes

Alphabetical Listing By Product

FSC Product Name

9540 Structural Shapes, Nonferrous Base Metal
5307 Studs
8925 Sugar, Confectionery, and Nuts
1385 Surface Use Explosive Ordnance Disposal Tools and Equipment
6510 Surgical Dressing Materials
5930 Switches
5990 Synchros and Resolvers
7350 Tableware
5136 Taps, Dies, and Collets; Hand and Machine
5805 Telephone and Telegraph Equipment
5815 Teletype and Facsimile Equipment
8340 Tents and Tarpaulins
8305 Textile Fabrics
3625 Textile Industries Machinery
5620 Tile, Brick and Block
6645 Time Measuring Instruments
2640 Tire Rebuilding and Tire and Tube Repair Materials
2620 Tires and Tubes, Pneumatic, Aircraft
2610 Tires and Tubes, Pneumatic, Except Aircraft
2630 Tires, Solid and Cushion
3640 Tobacco Manufacturing Machinery
8975 Tobacco Products
8520 Toilet Soap, Shaving Preparations, and Dentifrices
8540 Toiletry Paper Products
5140 Tool and Hardware Boxes
3230 Tools and Attachments for Woodworking Machinery
7643 Topographic Maps, Charts and Geodetic Products
1356 Torpedo Explosive Components
1355 Torpedo Inert Components
4921 Torpedo Maintenance, Repair, and Checkout Specialized Equipment
3010 Torque Converters and Speed Changers
2250 Track Material, Railroad
2410 Tractor, Full Tracked, Low Speed
2430 Tractors, Full Tracked, High Speed
2420 Tractors, Wheeled
6310 Traffic and Transit Signal Systems
2330 Trailers
6910 Training Aids
6120 Transformers: Distribution and Power Station
1910 Transport Vessels, Passenger and Troop
3830 Truck and Tractor Attachments

Alphabetical Listing By Product

FSC Product Name

2320 Trucks and Truck Tractors, Wheeled
2950 Turbosupercharger and Components
7430 Typewriters and Office Type Composing Machines
1351 Underwater Mine Explosive Components
1350 Underwater Mine Inert Components
5845 Underwater Sound Equipment
1386 Underwater Use Explosive Ordnance Disposal and Swimmer Weapons
Systems Tools and Equipment
8420 Underwear and Nightwear, Men's
8425 Underwear and Nightwear, Women's
4820 Valves, Nonpowered
4810 Valves, Powered
2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components
2510 Vehicular Cab, Body, and Frame Structural Components
2540 Vehicular Furniture and Accessories
2520 Vehicular Power Transmission Components
3550 Vending and Coin Operated Machines
5836 Video Recording and Reproducing Equipment
5850 Visible and Invisible Light Communication Equipment
7460 Visible Record Equipment
4150 Vortex Tubes and Other Related Cooling Tubes
5640 Wallboard, Building Paper, and Thermal Insulation Materials
3930 Warehouse Trucks and Tractors, Self-Propelled
4540 Waste Disposal Equipment
4620 Water Distillation Equipment, Marine and Industrial
4610 Water Purification Equipment
2830 Water Turbines and Water Wheels; and Components
4933 Weapons Maintenance and Repair Shop Specialized Equipment
2541 Weapons Systems Specific Vehicular Accessories
3436 Welding Positioners and Manipulators
3950 Winches, Hoists, Cranes, and Derricks
6145 Wire and Cable, Electrical
3447 Wire and Metal Ribbon Forming Machines
9505 Wire, Nonelectrical
9525 Wire, Nonelectrical, Nonferrous Base Metal
3220 Woodworking Machines
3540 Wrapping and Packaging Machinery
6525 X-ray Equipment and Supplies: Medical, Dental, Veterinary
8310 Yarn and Thread

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

Supplies and Equipment Codes

Code Meaning

WEAPONS (10)

1005 Guns, through 30 mm
1010 Guns, over 30 mm up to 75 mm
1015 Guns, 75 mm through 125 mm
1020 Guns, over 125 mm through 150 mm
1025 Guns, over 150 mm through 200 mm
1030 Guns, over 200 mm through 300 mm
1035 Guns, over 300 mm
1040 Chemical Weapons and Equipment
1045 Launchers, Torpedo and Depth Charge
1055 Launchers, Rocket and Pyrotechnic
1070 Nets and Booms, Ordnance
1075 Degaussing and Mine Sweeping Equipment
1080 Camouflage and Deception Equipment
1090 Assemblies Interchangeable Between Weapons in Two or More Classes
1095 Miscellaneous Weapons

NUCLEAR ORDNANCE (11)

1105 Nuclear Bombs
1110 Nuclear Projectiles
1115 Nuclear Warheads and Warhead Sections
1120 Nuclear Depth Charges
1125 Nuclear Demolition Charges
1127 Nuclear Rockets
1130 Conversion Kits, Nuclear Ordnance
1135 Fuzing and Firing Devices, Nuclear Ordnance
1140 Nuclear Components
1145 Explosive and Pyrotechnic Components, Nuclear Ordnance
1190 Specialized Test and Handling Equipment, Nuclear Ordnance
1195 Miscellaneous Nuclear Ordnance

Code Meaning

FIRE CONTROL EQUIPMENT (12)

- 1210 Fire Control Directors
- 1220 Fire Control Computing Sights and Devices
- 1230 Fire Control Systems, Complete
- 1240 Optical Sighting and Ranging Equipment
- 1250 Fire Control Stabilizing Mechanisms
- 1260 Fire Control Designating and Indicating Equipment
- 1265 Fire Control Transmitting and Receiving Equipment, except Airborne
- 1270 Aircraft Gunnery Fire Control Components
- 1280 Aircraft Bombing Fire Control Components
- 1285 Fire Control Radar Equipment, except Airborne
- 1287 Fire Control Sonar Equipment
- 1290 Miscellaneous Fire Control Equipment

AMMUNITION AND EXPLOSIVES (13)

- 1305 Ammunition, through 30 mm
- 1310 Ammunition, over 30 mm up to 75 mm
- 1315 Ammunition, 75 mm through 125 mm
- 1320 Ammunition, over 125 mm
- 1325 Bombs
- 1330 Grenades
- 1336 Guided Missile Warheads and Explosive Components
- 1337 Guided Missile and Space Vehicle Explosive Propulsion Units, Solid Fuel; and Components
- 1338 Guided Missile and Space Vehicle Inert Propulsion Units, Solid Fuel; and Components
- 1340 Rockets, Rocket Ammunition and Rocket Components
- 1345 Land Mines
- 1350 Underwater Mine Inert Components
- 1351 Underwater Mine Explosive Components
- 1355 Torpedo Inert Components
- 1356 Torpedo Explosive Components
- 1360 Depth Charge Inert Components
- 1361 Depth Charge Explosive Components
- 1365 Military Chemical Agents
- 1370 Pyrotechnics
- 1375 Demolition Materials
- 1376 Bulk Explosives

Code Meaning

- 1377 Cartridge and Propellant Actuated Devices and Components

- 1385 Surface Use Explosive Ordnance Disposal Tools and Equipment
- 1386 Underwater Use Explosive Ordnance Disposal and Swimmer Weapons Systems Tools and Equipment
- 1390 Fuzes and Primers
- 1395 Miscellaneous Ammunition
- 1398 Specialized Ammunition Handling Servicing Equipment

GUIDED MISSILES (14)

- 1410 Guided Missiles
- 1420 Guided Missile Components
- 1425 Guided Missile Systems, Complete
- 1427 Guided Missile Subsystems
- 1430 Guided Missile Remote Control Systems
- 1440 Launchers, Guided Missile
- 1450 Guided Missile Handling and Servicing Equipment

AIRCRAFT AND AIRFRAME STRUCTURAL COMPONENTS (15)

- 1510 Aircraft, Fixed Wing
- 1520 Aircraft, Rotary Wing
- 1540 Gliders
- 1550 Drones
- 1560 Airframe Structural Components

AIRCRAFT COMPONENTS AND ACCESSORIES (16)

- 1610 Aircraft Propellers and Components
- 1615 Helicopter Rotor Blades, Drive Mechanisms and Components
- 1620 Aircraft Landing Gear Components
- 1630 Aircraft Wheel and Brake Systems
- 1650 Aircraft Hydraulic, Vacuum, and De-icing System Components
- 1660 Aircraft Air Conditioning, Heating, and Pressurizing Equipment
- 1670 Parachutes; Aerial Pick Up, Delivery, Recovery Systems; and Cargo Tie Down Equipment
- 1680 Miscellaneous Aircraft Accessories and Components

Code Meaning

AIRCRAFT LAUNCHING, LANDING, AND GROUND HANDLING EQUIPMENT (17)

- 1710 Aircraft Landing Equipment
- 1720 Aircraft Launching Equipment
- 1730 Aircraft Ground Servicing Equipment
- 1740 Airfield Specialized Trucks and Trailers

SPACE VEHICLES (18)

- 1810 Space Vehicles
- 1820 Space Vehicle Components
- 1830 Space Vehicle Remote Control Systems
- 1840 Space Vehicle Launchers
- 1850 Space Vehicle Handling and Servicing Equipment
- 1860 Space Survival Equipment

SHIPS, SMALL CRAFT, PONTOONS, AND FLOATING DOCKS (19)

- 1905 Combat Ships and Landing Vessels
- 1910 Transport Vessels, Passenger and Troop
- 1915 Cargo and Tanker Vessels
- 1920 Fishing Vessels
- 1925 Special Service Vessels
- 1930 Barges and Lighters, Cargo
- 1935 Barges and Lighters, Special Purpose
- 1940 Small Craft
- 1945 Pontoons and Floating Docks
- 1950 Floating Drydocks
- 1955 Dredges
- 1990 Miscellaneous Vessels

SHIP AND MARINE EQUIPMENT (20)

- 2010 Ship and Boat Propulsion Components
- 2020 Rigging and Rigging Gear

Code Meaning

- 2030 Deck Machinery
- 2040 Marine Hardware and Hull Items
- 2050 Buoys

- 2060 Commercial Fishing Equipment
- 2090 Miscellaneous Ship and Marine Equipment

RAILWAY EQUIPMENT (22)

- 2210 Locomotives
- 2220 Rail Cars
- 2230 Right-of-Way Construction and Maintenance Equipment, Railroad
- 2240 Locomotive and Rail Car Accessories and Components
- 2250 Track Material, Railroad

GROUND EFFECT VEHICLES, MOTOR VEHICLES, TRAILERS, AND CYCLES (23)

- 2305 Ground Effect Vehicles
- 2310 Passenger Motor Vehicles
- 2320 Trucks and Truck Tractors, Wheeled
- 2330 Trailers
- 2340 Motorcycles, Motor Scooters, and Bicycles
- 2350 Combat, Assault, and Tactical Vehicles, Tracked

TRACTORS (24)

- 2410 Tractors, Full Tracked, Low Speed
- 2420 Tractors, Wheeled
- 2430 Tractors, Full Tracked, High Speed

VEHICULAR EQUIPMENT COMPONENTS (25)

- 2510 Vehicular Cab, Body, and Frame Structural Components
- 2520 Vehicular Power Transmission Components
- 2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components
- 2540 Vehicular Furniture and Accessories
- 2541 Weapons Systems Specific Vehicular Accessories**
- 2590 Miscellaneous Vehicular Components

Code Meaning

TIRES AND TUBES (26)

- 2610 Tires and Tubes, Pneumatic, Except Aircraft
- 2620 Tires and Tubes, Pneumatic, Aircraft
- 2630 Tires, Solid and Cushion
- 2640 Tire Rebuilding and Tire and Tube Repair Materials

ENGINES, TURBINES, AND COMPONENT'S (28)

- 2805 Gasoline Reciprocating Engines, Except Aircraft; and Components
- 2810 Gasoline Reciprocating Engines, Aircraft Prime Mover; and Components
- 2815 Diesel Engines and Components
- 2820 Steam Engines, Reciprocating; and Components
- 2825 Steam Turbines and Components
- 2830 Water Turbines and Water Wheels; and Components
- 2835 Gas Turbines and Jet Engines, Non-Aircraft; and Components
- 2840 Gas Turbines and Jet Engines, Aircraft; Prime Moving, and Components
- 2845 Rocket Engines and Components
- 2850 Gasoline Rotary Engines and Components
- 2895 Miscellaneous Engines and Components

ENGINE ACCESSORIES (29)

- 2910 Engine Fuel System Components, Nonaircraft
- 2915 Engine Fuel System Components, Aircraft and Missile Prime Movers
- 2920 Engine Electrical System Components, Nonaircraft
- 2925 Engine Electrical System Components, Aircraft Prime Moving
- 2930 Engine Cooling System Components, Nonaircraft
- 2935 Engine Cooling System Components, Aircraft Prime Moving
- 2940 Engine Air and Oil Filters, Strainers, and Cleaners, Nonaircraft
- 2945 Engine Air and Oil Filters, Cleaners, Aircraft Prime Moving
- 2950 Turbosuperchargers and components
- 2990 Miscellaneous Engine Accessories, Nonaircraft
- 2995 Miscellaneous Engine Accessories, Aircraft

Code Meaning

MECHANICAL POWER TRANSMISSION EQUIPMENT (30)

- 3010 Torque Converters and Speed Changers
- 3020 Gears, Pulleys, Sprockets, and Transmission Chain
- 3030 Belting, Drive Belts, Fan Belts, and Accessories
- 3040 Miscellaneous Power Transmission Equipment

BEARINGS (31)

- 3110 Bearings, Antifriction, Unmounted
- 3120 Bearings, Plain, Unmounted
- 3130 Bearings, Mounted

WOODWORKING MACHINERY AND EQUIPMENT (32)

- 3210 Sawmill and Planing Mill Machinery
- 3220 Woodworking Machines
- 3230 Tools and Attachments for Woodworking Machinery

METALWORKING MACHINERY (34)

- 3405 Saws and Filing Machines
- 3408 Machining Centers and Way-Type Machines
- 3410 Electrical and Ultrasonic Erosion Machines
- 3411 Boring Machines
- 3412 Broaching Machines
- 3413 Drilling and Tapping Machines
- 3414 Gear Cutting and Finishing Machines
- 3415 Grinding Machines
- 3416 Lathes
- 3417 Milling Machines
- 3418 Planers and Shapers
- 3419 Miscellaneous Machine Tools
- 3422 Rolling Mills and Drawing Machines
- 3424 Metal Heat Treating and Non-Thermal Treating Equipment
- 3426 Metal Finishing Equipment
- 3431 Electric Arc Welding Equipment
- 3432 Electric Resistance Welding Equipment
- 3433 Gas Welding, Heat Cutting, and Metalizing Equipment

Code Meaning

- 3436 Welding Positioners and Manipulators
- 3438 Miscellaneous Welding Equipment
- 3439 Miscellaneous Welding, Soldering, and Brazing Supplies and Accessories
- 3441 Bending and Forming Machines
- 3442 Hydraulic and Pneumatic Presses, Power Driven
- 3443 Mechanical Presses, Power Driven
- 3444 Manual Presses
- 3445 Punching and Shearing Machines
- 3446 Forging Machinery and Hammers
- 3447 Wire and Metal Ribbon Forming Machines
- 3448 Riveting Machines
- 3449 Miscellaneous Secondary Metal Forming and Cutting Machines
- 3450 Machine Tools, Portable
- 3455 Cutting Tools for Machine Tools
- 3456 Cutting and Forming Tools for Secondary Metalworking Machinery
- 3460 Machine Tool Accessories
- 3461 Accessories for Secondary Metalworking Machinery
- 3465 Production Jigs, Fixtures, and Templates
- 3470 Machine Shop Sets, Kits, and Outfits

SERVICE AND TRADE EQUIPMENT (35)

- 3510 Laundry and Dry Cleaning Equipment
- 3520 Shoe Repairing Equipment
- 3530 Industrial Sewing Machines and Mobile Textile Repair Shops
- 3540 Wrapping and Packaging Machinery
- 3550 Vending and Coin Operated Machines
- 3590 Miscellaneous Service and Trade Equipment

SPECIAL INDUSTRY MACHINERY (36)

- 3605 Food Products Machinery and Equipment
- 3610 Printing, Duplicating, and Bookbinding Equipment
- 3611 Industrial Marking Machines
- 3615 Pulp and Paper Industries Machinery
- 3620 Rubber and Plastics Working Machinery
- 3625 Textile Industries Machinery
- 3630 Clay and Concrete Products Industries Machinery
- 3635 Crystal and Glass Industries Machinery
- 3640 Tobacco Manufacturing Machinery

Code Meaning

- 3645 Leather Tanning and Leather Working Industries Machinery
- 3650 Chemical and Pharmaceutical Products Manufacturing Machinery
- 3655 Gas Generating and Dispensing Systems, Fixed or Mobile
- 3660 Industrial Size Reduction Machinery
- 3670 Specialized Semiconductor, Microcircuit, and Printed Circuit Board Manufacturing Machinery
- 3680 Foundry Machinery, Related Equipment and Supplies
- 3685 Specialized Metal Container Manufacturing Machinery and Related Equipment
- 3690 Specialized Ammunition and Ordnance Machinery and Related Equipment
- 3693 Industrial Assembly Machines
- 3694 Clean Work Stations, Controlled Environment and Related Equipment
- 3695 Miscellaneous Special Industry Machinery

AGRICULTURAL MACHINERY AND EQUIPMENT (37)

- 3710 Soil Preparation Equipment
- 3720 Harvesting Equipment
- 3730 Dairy, Poultry, and Livestock Equipment
- 3740 Pest, Disease, and Frost Control Equipment
- 3750 Gardening Implements and Tools
- 3770 Saddlery, Harness, Whips, and Related Animal Furnishings

CONSTRUCTION, MINING, EXCAVATING, AND HIGHWAY MAINTENANCE EQUIPMENT (38)

- 3805 Earth Moving and Excavating Equipment
- 3810 Cranes and Crane-Shovels
- 3815 Crane and Crane-Shovel Attachments
- 3820 Mining, Rock Drilling, Earth Boring and Related Equipment
- 3825 Road Clearing, Cleaning and Marking Equipment
- 3830 Truck and Tractor Attachments
- 3835 Petroleum Production and Distribution Equipment
- 3895 Miscellaneous Construction Equipment

Code Meaning

MATERIALS HANDLING EQUIPMENT (39)

- 3910 Conveyors
- 3915 Materials Feeders
- 3920 Material Handling Equipment, Nonself-Propelled
- 3930 Warehouse Trucks and Tractors, Self-Propelled
- 3940 Blocks, Tackle, Rigging, and Slings
- 3950 Winches, Hoists, Cranes, and Derricks
- 3960 Freight Elevators
- 3990 Miscellaneous Materials Handling Equipment

ROPE, CABLE, CHAIN, AND FITTINGS (40)

- 4010 Chain and Wire Rope
- 4020 Fiber Rope, Cordage, and Twine
- 4030 Fittings for Rope, Cable, and Chain

REFRIGERATION, AIR CONDITIONING, AND AIR CIRCULATING EQUIPMENT (41)

- 4110 Refrigeration Equipment
- 4120 Air Conditioning Equipment
- 4130 Refrigeration and Air Conditioning Components
- 4140 Fans, Air Circulators, and Blower Equipment
- 4150 Vortex Tubes and Other Related Cooling Tubes

FIRE FIGHTING, RESCUE, AND SAFETY EQUIPMENT; AND ENVIRONMENTAL PROTECTION EQUIPMENT AND MATERIALS (42)

- 4210 Fire Fighting Equipment
- 4220 Marine Lifesaving and Diving Equipment
- 4230 Decontaminating and Impregnating Equipment
- 4235 Hazardous Material Spill Containment and Clean-up Equipment and Material
- 4240 Safety and Rescue Equipment
- 4250 Recycling and Reclamation Equipment

Code Meaning

PUMPS AND COMPRESSORS (43)

- 4310 Compressors and Vacuum Pumps
- 4320 Power and Hand Pumps
- 4330 Centrifugals, Separators, and Pressure and Vacuum Filters

FURNACE, STEAM PLANT, AND DRYING EQUIPMENT; AND NUCLEAR REACTORS (44)

- 4410 Industrial Boilers
- 4420 Heat Exchangers and Steam Condensers
- 4430 Industrial Furnaces, Kilns, Lehrs, and Ovens
- 4440 Driers, Dehydrators, and Anhydrators
- 4460 Air Purification Equipment
- 4470 Nuclear Reactors

PLUMBING, HEATING, AND WASTE DISPOSAL EQUIPMENT (45)

- 4510 Plumbing Fixtures and Accessories
- 4520 Space and Water Heating Equipment
- 4530 Fuel Burning Equipment Units
- 4540 Waste Disposal Equipment

WATER PURIFICATION AND SEWAGE TREATMENT EQUIPMENT (46)

- 4610 Water Purification Equipment
- 4620 Water Distillation Equipment, Marine and Industrial
- 4630 Sewage Treatment Equipment

PIPE, TUBING, HOSE, AND FITTINGS (47)

- 4710 Pipe, Tube and Rigid Tubing
- 4720 Hose and Flexible Tubing
- 4730 Hose, Pipe, Tube, Lubrication, and Railing Fittings

Code Meaning

VALVES (48)

- 4810 Valves, Powered
- 4820 Valves, Nonpowered

MAINTENANCE AND REPAIR SHOP EQUIPMENT (49)

- 4910 Motor Vehicle Maintenance and Repair Shop Specialized Equipment
- 4920 Aircraft Maintenance and Repair Shop Specialized Equipment
- 4921 Torpedo Maintenance, Repair, and Checkout Specialized Equipment
- 4923 Depth Charges and Underwater Mines Maintenance, Repair, and Checkout Specialized Equipment
- 4925 Ammunition Maintenance, Repair, and Checkout Specialized Equipment
- 4927 Rocket Maintenance, Repair, and Checkout Specialized Equipment
- 4930 Lubrication and Fuel Dispensing Equipment
- 4931 Fire Control Maintenance and Repair Shop Specialized Equipment
- 4933 Weapons Maintenance and Repair Shop Specialized Equipment
- 4935 Guided Missile Maintenance, Repair, and Checkout Specialized Equipment
- 4940 Miscellaneous Maintenance and Repair Shop Specialized Equipment
- 4960 Space Vehicle Maintenance, Repair, and Checkout Specialized Equipment
- 4970 *Multiple Guided Weapons, Specialized Maintenance and Repair Shop Equipment***

HAND TOOLS (51)

- 5110 Hand Tools, Edged, Nonpowered
- 5120 Hand Tools, Nonedged, Nonpowered
- 5130 Hand Tools, Power Driven
- 5133 Drill Bits, Counterbores, and Counter-sinks; Hand and Machine
- 5136 Taps, Dies, and Collets; Hand and Machine
- 5140 Tool and Hardware Boxes
- 5180 Sets, Kits, and Outfits of Hand Tools

MEASURING TOOLS (52)

- 5210 Measuring Tools, Craftsmen's
- 5220 Inspection Gages and Precision Layout Tools
- 5280 Sets, Kits, and Outfits of Measuring Tools

Code Meaning

HARDWARE AND ABRASIVES (53)

- 5305 Screws
- 5306 Bolts
- 5307 Studs
- 5310 Nuts and Washers
- 5315 Nails, Machine Keys, and Pins
- 5320 Rivets
- 5325 Fastening Device
- 5330 Packing and Gasket Materials
- 5331 O-Ring**
- 5335 Metal Screening
- 5340 Hardware, Commercial
- 5341 Brackets**
- 5342 Hardware, Weapon System**
- 5345 Disks and Stones, Abrasive
- 5350 Abrasive Materials
- 5355 Knobs and Pointers
- 5360 Coil, Flat, Leaf, and Wire Springs
- 5365 Bushings, Rings, Shims, and Spacers

PREFABRICATED STRUCTURES AND SCAFFOLDING (54)

- 5410 Prefabricated and Portable Buildings
- 5411 Rigid Wall Shelters
- 5419 Collective Modular Support System
- 5420 Bridges, Fixed and Floating
- 5430 Storage Tanks
- 5440 Scaffolding Equipment and Concrete Forms
- 5445 Prefabricated Tower Structures
- 5450 Miscellaneous Prefabricated Structures

LUMBER, MILLWORK, PLYWOOD, AND VENEER (55)

- 5510 Lumber and Related Basic Wood Materials
- 5520 Millwork
- 5530 Plywood and Veneer

Code Meaning

CONSTRUCTION AND BUILDING MATERIALS (56)

- 5610 Mineral Construction Materials, Bulk
- 5620 Tile, Brick, and Block
- 5630 Pipe and Conduit, Nonmetallic
- 5640 Wallboard, Building Paper, and Thermal Insulation Materials
- 5650 Roofing and Siding Materials
- 5660 Fencing, Fences, Gates and Components
- 5670 Building Components, Prefabricated
- 5675 *Nonwood Construction Lumber and Related Materials***
- 5680 Miscellaneous Construction Materials

**COMMUNICATION, DETECTION AND COHERENT RADIATION
EQUIPMENT (58)**

- 5805 Telephone and Telegraph Equipment
- 5810 Communications Security Equipment and Components
- 5811 Other Cryptologic Equipment and Components
- 5815 Teletype and Facsimile Equipment
- 5820 Radio and Television Communication Equipment, Except Airborne
- 5821 Radio and Television Communication Equipment, Airborne
- 5825 Radio Navigation Equipment, Except Airborne
- 5826 Radio Navigation Equipment, Airborne
- 5830 Intercommunication and Public Address Systems, Except Airborne
- 5831 Intercommunication and Public Address Systems, Airborne
- 5835 Sound Recording and Reproducing Equipment
- 5836 Video Recording and Reproducing Equipment
- 5840 Radar Equipment, Except Airborne
- 5841 Radar Equipment, Airborne
- 5845 Underwater Sound Equipment
- 5850 Visible and Invisible Light Communication Equipment
- 5855 Night Vision Equipment, Emitted and Reflected Radiation
- 5860 Stimulated Coherent Radiation Devices, Components and Accessories
- 5865 *Electronic Countermeasures, Counter-Countermeasures and Quick Reaction Capability Equipment***
- 5895 Miscellaneous Communication Equipment

Code Meaning

ELECTRICAL AND ELECTRONIC EQUIPMENT COMPONENTS (59)

- 5905 Resistors
- 5910 Capacitors
- 5915 Filters and Networks
- 5920 Fuses, Arresters, Absorbers, and Protectors
- 5925 Circuit Breakers
- 5930 Switches
- 5935 Connectors, Electrical
- 5940 Lugs, Terminals, and Terminal Strips
- 5945 Relays and Solenoids
- 5950 Coils and Transformers
- 5955 Oscillators and Piezoelectric Crystals
- 5960 Electron Tubes and Associated Hardware
- 5961 Semiconductor Devices and Associated Hardware
- 5962 Microcircuits, Electronic
- 5963 Electronic Modules
- 5965 Headsets, Handsets, Microphones and Speakers
- 5970 Electrical Insulators and Insulating Materials
- 5975 Electrical Hardware and Supplies
- 5977 Electrical Contact Brushes and Electrodes
- 5980 Optoelectronic Devices and Associated Hardware
- 5985 Antennas, Waveguides, and Related Equipment
- 5990 Synchros and Resolvers
- 5995 Cable, Cord, and Wire Assemblies: Communications Equipment
- 5996 Amplifiers
- 5998 Electrical and Electronic assemblies, Boards, Cards, and Associated Hardware
- 5999 Miscellaneous Electrical and Electronic Components

FIBER OPTICS MATERIALS, COMPONENTS, ASSEMBLIES, AND ACCESSORIES (60)

- 6010 Fiber Optic Conductors
- 6015 Fiber Optic Cables
- 6020 Fiber Optic Cable Assemblies and Harnesses
- 6021 Fiber Optic Switches
- 6030 Fiber Optic Devices
- 6032 Fiber Optic Light Sources and Photo Detectors
- 6035 Fiber Optic Light Transfer and Image Transfer Devices
- 6060 Fiber Optic Interconnectors

Code Meaning

- 6070 Fiber Optic Accessories and Supplies
- 6080 Fiber Optic Kits and Sets
- 6099 Miscellaneous Fiber Optic Components

ELECTRIC WIRE, AND POWER AND DISTRIBUTION EQUIPMENT (61)

- 6105 Motors, Electrical
- 6110 Electrical Control Equipment
- 6115 Generators and Generators Sets, Electrical
- 6116 Fuel Cell Power Units, Components, and Accessories
- 6117 Solar Electric Power Systems
- 6120 Transformers: Distribution and Power Station
- 6125 Converters, Electrical, Rotating
- 6130 Converters, Electrical, Nonrotating
- 6135 Batteries, Nonrechargeable
- 6140 Batteries, Rechargeable
- 6145 Wire and Cable, Electrical
- 6150 Miscellaneous Electric Power and Distribution Equipment
- 6160 Miscellaneous Battery Retaining Fixtures and Liners

LIGHTING FIXTURES AND LAMPS (62)

- 6210 Indoor and Outdoor Electric Lighting Fixtures
- 6220 Electric Vehicular Lights and Fixtures
- 6230 Electric Portable and Hand Lighting Equipment
- 6240 Electric Lamps
- 6250 Ballasts, Lampholders, and Starters
- 6260 Nonelectrical Lighting Fixtures

ALARM, SIGNAL, AND SECURITY DETECTION SYSTEMS (63)

- 6310 Traffic and Transit Signal Systems
- 6320 Shipboard Alarm and Signal Systems
- 6330 Railroad Signal and Warning Devices
- 6340 Aircraft Alarm and Signal Systems
- 6350 Miscellaneous Alarm, Signal and Security Detection Systems

Code Meaning

MEDICAL, DENTAL, AND VETERINARY EQUIPMENT AND SUPPLIES (65)

- 6505 Drugs and Biologicals
- 6508 Medicated Cosmetics and Toiletries
- 6510 Surgical Dressing Materials
- 6515 Medical and Surgical Instruments, Equipment, and Supplies
- 6520 Dental Instruments, Equipment, and Supplies
- 6525 X-Ray Equipment and Supplies: Medical, Dental, Veterinary
- 6530 Hospital Furniture, Equipment, Utensils, and Supplies
- 6532 Hospital and Surgical Clothing and Related Special Purpose Items
- 6540 Ophthalmic Instruments, Equipment, and Supplies
- 6545 Replenishable Field Medical Sets, Kits, and Outfits
- 6550 In Vitro Diagnostic Substances, Reagents, Test Kits, and Sets

INSTRUMENTS AND LABORATORY EQUIPMENT (66)

- 6605 Navigational Instruments
- 6610 Flight Instruments
- 6615 Automatic Pilot Mechanisms and Airborne Gyro Components
- 6620 Engine Instruments
- 6625 Electrical and Electronic Properties Measuring and Testing Instruments
- 6630 Chemical Analysis Instruments
- 6635 Physical Properties Testing and Inspection
- 6636 Environmental Chambers and Related Equipment
- 6640 Laboratory Equipment and Supplies
- 6645 Time Measuring Instruments
- 6650 Optical Instruments, Test Equipment, Components and Accessories
- 6655 Geophysical Instruments
- 6660 Meteorological Instruments and Apparatus
- 6665 Hazard-Detecting Instruments and Apparatus
- 6670 Scales and Balances
- 6675 Drafting, Surveying, and Mapping Instruments
- 6680 Liquid and Gas Flow, Liquid Level, and Mechanical Motion Measuring Instruments
- 6685 Pressure, Temperature, and Humidity Measuring and Controlling Instruments
- 6695 Combination and Miscellaneous Instruments

Code Meaning

PHOTOGRAPHIC INSTRUMENTS (67)

- 6710 Cameras, Motion Picture
- 6720 Cameras, Still Picture
- 6730 Photographic Projection Equipment
- 6740 Photographic Developing and Finishing Equipment
- 6750 Photographic Supplies
- 6760 Photographic Equipment and Accessories
- 6770 Film, Processed
- 6780 Photographic Sets, Kits, and Outfits

CHEMICALS AND CHEMICAL PRODUCTS (68)

- 6810 Chemicals
- 6820 Dyes
- 6830 Gases: Compressed and Liquefied
- 6840 Pest Control Agents and Disinfectants
- 6850 Miscellaneous Chemical Specialties

TRAINING AIDS AND DEVICES (69)

- 6910 Training Aids
- 6920 Armament Training Devices
- 6930 Operation Training Devices
- 6940 Communication Training Devices

AUTOMATIC DATA PROCESSING EQUIPMENT (INCLUDING FIRMWARE), SOFTWARE, SUPPLIES AND SUPPORT EQUIPMENT (70)

- 7010 ADPE System Configuration
- 7020 ADP Central Processing Unit (CPU, Computer), Analog
- 7021 ADP Central Processing Unit (CPU, Computer), Digital
- 7022 ADP Central Processing Unit (CPU, Computer), Hybrid
- 7025 ADP Input/Output and Storage Devices
- 7030 ADP Software
- 7035 ADP Support Equipment
- 7040 Punched Card Equipment
- 7042 Mini and Micro Computer Control Devices

Code Meaning

- 7045 ADP Supplies
- 7050 ADP Components

FURNITURE (71)

- 7105 Household Furniture
- 7110 Office Furniture
- 7125 Cabinets, Lockers, Bins, and Shelving
- 7195 Miscellaneous Furniture and Fixtures

HOUSEHOLD AND COMMERCIAL FURNISHINGS AND APPLIANCES (72)

- 7210 Household Furnishings
- 7220 Floor Coverings
- 7230 Draperies, Awnings, and Shades
- 7240 Household and Commercial Utility Containers
- 7290 Miscellaneous Household and Commercial Furnishings and Appliances

FOOD PREPARATION AND SERVING EQUIPMENT (73)

- 7310 Food Cooking, Baking, and Serving Equipment
- 7320 Kitchen Equipment and Appliances
- 7330 Kitchen Hand Tools and Utensils
- 7340 Cutlery and Flatware
- 7350 Tableware
- 7360 Sets, Kits, Outfits, and Modules, Food Preparation and Serving

OFFICE MACHINES, TEXT PROCESSING SYSTEMS AND VISIBLE RECORD EQUIPMENT (74)

- 7420 Accounting and Calculating Machines
- 7430 Typewriters and Office Type Composing Machines
- 7435 Office Information System Equipment
- 7450 Office Type Sound Recording and Reproducing Machines
- 7460 Visible Record Equipment
- 7490 Miscellaneous Office Machines

Code Meaning

OFFICE SUPPLIES AND DEVICES (75)

- 7510 Office Supplies
- 7520 Office Devices and Accessories
- 7530 Stationery and Record Forms
- 7540 Standard Forms

BOOKS, MAPS, AND OTHER PUBLICATIONS (76)

- 7610 Books and Pamphlets
- 7630 Newspapers and Periodicals
- 7640 Maps, Atlases, Charts, and Globes
- 7641 Aeronautical Maps, Charts and Geodesic Products
- 7642 Hydrographic Maps, Charts and Geodesic Products
- 7643 Topographic Maps, Charts and Geodesic Products
- 7644 *Digital Maps, Charts & Geoditic Products***
- 7650 Drawings and Specifications
- 7660 Sheet and Book Music
- 7670 Microfilm, Processed
- 7690 Miscellaneous Printed Matter

MUSICAL INSTRUMENTS, PHONOGRAPHS, AND HOME-TYPE RADIOS (77)

- 7710 Musical Instruments
- 7720 Musical Instrument Parts and Accessories
- 7730 Phonographs, Radio and Television Sets: Home Type
- 7740 Phonograph Records

RECREATIONAL AND ATHLETIC EQUIPMENT (78)

- 7810 Athletic and Sporting Equipment
- 7820 Games, Toys and Wheeled Goods
- 7830 Recreational and Gymnastic Equipment

CLEANING EQUIPMENT AND SUPPLIES (79)

- 7910 Floor Polishers and Vacuum Cleaning Equipment
- 7920 Brooms, Brushes, Mops, and Sponges

Code Meaning

7930 Cleaning and Polishing Compounds and Preparations

BRUSHES, PAINTS, SEALERS, AND ADHESIVES (80)

8010 Paints, Dopes, Varnishes, and Related Products
8020 Paint and Artists' Brushes
8030 Preservative and Sealing Compounds
8040 Adhesives

CONTAINERS, PACKAGING, AND PACKING SUPPLIES (81)

8105 Bags and Sacks
8110 Drums and Cans
8115 Boxes, Cartons, and Crates
8120 Commercial and Industrial Gas Cylinders
8125 Bottles and Jars
8130 Reels and Spools
8135 Packaging and Packing Bulk Materials
8140 Ammunition and Nuclear Ordnance Boxes, Packages and Special Containers
8145 Specialized Shipping and Storage Containers

TEXTILES, LEATHER, FURS, APPAREL AND SHOE FINDINGS, TENTS AND FLAGS (83)

8305 Textile Fabrics
8310 Yarn and Thread
8315 Notions and Apparel Findings
8320 Padding and Stuffing Materials
8325 Fur Materials
8330 Leather
8335 Shoe Findings and Soling Materials
8340 Tents and Tarpaulins
8345 Flags and Pennants

CLOTHING, INDIVIDUAL EQUIPMENT, AND INSIGNIA (84)

8405 Outerwear, Men's
8410 Outerwear, Women's
Code Meaning

- 8415 Clothing, Special Purpose
- 8420 Underwear and Nightwear, Men's
- 8425 Underwear and Nightwear, Women's
- 8430 Footwear, Men's
- 8435 Footwear, Women's
- 8440 Hosiery, Handwear, and Clothing Accessories, Men's
- 8445 Hosiery, Handwear, and Clothing Accessories, Women's
- 8450 Children's and Infants' Apparel and Accessories
- 8455 Badges and Insignia
- 8460 Luggage
- 8465 Individual Equipment
- 8470 Armor, Personal
- 8475 Specialized Flight Clothing and Accessories

TOILETRIES (85)

- 8510 Perfumes, Toilet Preparations, and Powders
- 8520 Toilet Soap, Shaving Preparations, and Dentifrices
- 8530 Personal Toiletry Articles
- 8540 Toiletry Paper Products

AGRICULTURAL SUPPLIES (87)

- 8710 Forage and Feed
- 8720 Fertilizers
- 8730 Seeds and Nursery Stock

LIVE ANIMALS (88)

- 8810 Live Animals, Raised for Food
- 8820 Live Animals, Not Raised for Food

SUBSISTENCE (89)

- 8905 Meat, Poultry, and Fish
- 8910 Dairy Foods and Eggs
- 8915 Fruits and Vegetables
- 8920 Bakery and Cereal Products

Code Meaning

- 8925 Sugar, Confectionery, and Nuts
- 8930 Jams, Jellies, and Preserves
- 8935 Soups and Bouillons
- 8940 Special Dietary Foods and Food Specialty Preparations
- 8945 Food, Oils and Fats
- 8950 Condiments and Related Products
- 8955 Coffee, Tea, and Cocoa
- 8960 Beverages, Nonalcoholic
- 8965 Beverages, Alcoholic
- 8970 Composite Food Packages
- 8975 Tobacco Products

FUELS, LUBRICANTS, OILS AND WAXES (91)

- 9110 Fuels, Solid
- 9130 Liquid Propellants and Fuels, Petroleum Base
- 9135 Liquid Propellant Fuels and Oxidizers, Chemical Base
- 9140 Fuel Oils
- 9150 Oils and Greases: Cutting, Lubricating, and Hydraulic
- 9160 Miscellaneous Waxes, Oils, and Fats

NONMETALLIC FABRICATED MATERIALS (93)

- 9310 Paper and Paperboard
- 9320 Rubber Fabricated Materials
- 9330 Plastics Fabricated Materials
- 9340 Glass Fabricated Materials
- 9350 Refractories and Fire Surfacing Materials
- 9390 Miscellaneous Fabricated Nonmetallic Materials

NONMETALLIC CRUDE MATERIALS (94)

- 9410 Crude Grades of Plant Materials
- 9420 Fibers: Vegetables, Animal, and Synthetic
- 9430 Miscellaneous Crude Animal Products, Inedible
- 9440 Miscellaneous Crude Agricultural and Forestry Products
- 9450 Nonmetallic Scrap, Except Textile

Code Meaning

METAL BARS, SHEETS, AND SHAPES (95)

- 9505 Wire, Nonelectrical
- 9510 Bars and Rods
- 9515 Plate, Sheet, Strip, Foil; and Leaf
- 9520 Structural Shapes
- 9525 Wire, Nonelectrical, Nonferrous Base Metal
- 9530 Bars and Rods, Nonferrous Base Metal
- 9535 Plate, Sheet, Strip, and Foil; Nonferrous Base Metal
- 9540 Structural Shapes, Nonferrous Base Metal
- 9545 Plate, Sheet, Strip, Foil, and Wire; Precious Metal

ORES, MINERALS, AND THEIR PRIMARY PRODUCTS (96)

- 9610 Ores
- 9620 Minerals, Natural and Synthetic
- 9630 Additive Metal Materials
- 9640 Iron and Steel Primary and Semifinished Products
- 9650 Nonferrous Base Metal Refinery and Intermediate Forms
- 9660 Precious Metals Primary Forms
- 9670 Iron and Steel Scrap
- 9680 Nonferrous Scrap

MISCELLANEOUS (99)

- 9905 Signs, Advertising Displays, and Identification Plates
- 9910 Jewelry
- 9915 Collectors' and/or Historical Items
- 9920 Smokers' Articles and Matches
- 9925 Ecclesiastical Equipment, Furnishings, and Supplies
- 9930 Memorials: Cemeterial and Mortuary Equipment and Supplies
- 9999 Miscellaneous Items

SECTION II
FEDERAL SUPPLY CLASSIFICATION CODE DESCRIPTIONS

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

SECTION II, FEDERAL SUPPLY CLASSIFICATION CODES

FS Group	Description	Page
10	Weapons.....	81
11	Nuclear Ordnance.....	81
12	Fire Control Equipment.....	83
13	Ammunition and Explosives.....	84
14	Guided Missiles.....	86
15	Aircraft and Airframe Structural Components.....	87
16	Aircraft Components and Accessories.....	88
17	Aircraft Launching, Landing, and Ground Handling Equipment.....	89
18	Space Vehicles.....	90
19	Ships, Small Craft, Pontoons, and Floating Docks.....	91
20	Ship and Marine Equipment.....	91
21	Unassigned.....	
22	Railway Equipment.....	92
23	Ground Effect Vehicles, Motor Vehicles, Trailers, and Cycles.....	92
24	Tractors.....	93
25	Vehicular Equipment Components.....	93
26	Tires and Tubes.....	94
27	Unassigned.....	
28	Engines, Turbines, and Components.....	94
29	Engine Accessories.....	95
30	Mechanical Power Transmission Equipment.....	97
31	Bearings.....	97
32	Woodworking Machinery and Equipment.....	97
33	Unassigned.....	
34	Metalworking Machinery.....	98
35	Service and Trade Equipment.....	99
36	Special Industry Machinery.....	100
37	Agricultural Machinery and Equipment.....	102
38	Construction, Mining, Excavating, and Highway Maintenance Equipment.....	102
39	Materials Handling Equipment.....	103
40	Rope, Cable, Chain, and Fittings.....	103
41	Refrigeration, Air Conditioning, and Air Circulating Equipment.....	104
42	Fire Fighting, Rescue, and Safety; and Environmental Protection Equipment and Materials.....	105
43	Pumps and Compressors.....	105
44	Furnace, Steam Plant, and Drying Equipment; and Nuclear Reactors.....	106
45	Plumbing, Heating, and Sanitation Equipment.....	106
46	Water Purification and Sewage Treatment Equipment.....	107
47	Pipe, Tubing, Hose, and Fittings.....	107

FS Group	Description	Page
48	Valves	107
49	Maintenance and Repair Shop Equipment	107
50	Unassigned	
51	Hand Tools.....	110
52	Measuring Tools	110
53	Hardware and Abrasives	110
54	Prefabricated Structures and Scaffolding	112
55	Lumber, Millwork, Plywood, and Veneer	113
56	Construction and Building Materials	113
57	Unassigned	
58	Communication, Detection, and Coherent Radiation Equipment.....	114
59	Electrical and Electronic Equipment Components	116
60	Fiber Optics Materials, Components, Assemblies, and Accessories	118
61	Electric Wire, and Power and Distribution Equipment	119
62	Lighting Fixtures and Lamps	120
63	Alarm, Signal, and Security Detection Systems	121
64	Unassigned.....	
65	Medical, Dental, and Veterinary Equipment and Supplies	121
66	Instruments and Laboratory Equipment	122
67	Photographic Equipment.....	124
68	Chemicals and Chemical Products.....	125
69	Training Aids and Devices.....	125
70	Automatic Data Processing Equipment (Including Firmware), Software, Supplies and Support Equipment.....	126
71	Furniture	127
72	Household and Commercial Furnishings and Appliances.....	128
73	Food Preparation and Serving Equipment.....	128
74	Office Machines, Text Processing Systems and Visible Record Equipment.....	129
75	Office Supplies and Devices	129
76	Books, Maps, and Other Publications	130
77	Musical Instruments, Phonographs, and Home-Type Radios.....	130
78	Recreational and Athletic Equipment	130
79	Cleaning Equipment and Supplies	131
80	Brushes, Paints, Sealers, and Adhesives.....	131
81	Containers, Packaging, and Packing Supplies.....	131
82	Unassigned.....	
83	Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags	132
84	Clothing, Individual Equipment, and Insignia.....	133
85	Toiletries	134
86	Unassigned.....	
87	Agricultural Supplies	134
88	Live Animals.....	134
89	Subsistence	135
90	Unassigned.....	
91	Fuels, Lubricants, Oils, and Waxes.....	135
92	Unassigned.....	
FS Group	Description	Page

93	Nonmetallic Fabricated Materials	136
94	Nonmetallic Crude Materials	136
95	Metal Bars, Sheets, and Shapes	136
96	Ores, Minerals, and Their Primary Products.....	137
97	Unassigned.....	
98	Unassigned.....	
99	Miscellaneous	138

FEDERAL PROCUREMENT DATA SYSTEM

PRODUCT AND SERVICE CODES

Federal Supply Classification Codes

GROUP 10 Weapons

NOTE: This group includes combat weapons as well as weapon—like noncombat items, such as line throwing devices and pyrotechnic pistols. Also included in this group are weapon neutralizing equipment, such as degaussers, and deception equipment, such as camouflage nets. Excluded from this group are fire control and night devices classifiable in groups 12 or 58.

- 1005 Guns, through 30 mm
Includes Machine guns; Brushes, Machine Gun and Pistol.
Excludes Turrets, Aircraft.
- 1010 Guns, over 30 mm up to 75 mm
Includes Breech Mechanisms; Mounts Grenade Launchers for Integral-Cartridge Grenades, Single-Shot or Auto-Loading or Automatic-Firing.
- 1015 Guns, 75 mm through 125 mm
Includes Breech Mechanisms; Mounts; Rammers.
- 1020 Guns, over 125 mm through 150 mm
Includes Breech Mechanisms, Power Drives; Gun Shields.
- 1025 Guns, over 150 mm through 200 mm
Includes Firing Platforms; Mounts; Gun Shields.
- 1030 Guns, over 200 mm through 300 mm
Includes Gun Yokes; Rammers; Reflectors.
- 1035 Guns, over 300 mm
Includes Breech Mechanisms; Training Gears; Power Drives.
- 1040 Chemical Weapons and Equipment
Includes Flame Throwers; Smoke Generators.
- 1045 Launchers, Torpedo and Depth Charge
Includes Depth Charge Tracks; Torpedo Tubes.
- 1055 Launchers, Rocket and Pyrotechnic

Includes Airborne Rocket Launchers adaptable to guided missile use.
Excludes Specifically designed Airborne Guided Missile Launchers; Jettisonable Rocket Launchers; Launcher Fairings designed for specific airframes; Rifle Grenade Launchers; Grenade Launchers for Integral-Cartridge Grenades, Single-Shot or Auto Loading or Automatic Firing.

- 1070 Nets and Booms, Ordnance
NOTE: This class includes nets and booms for harbor defense only.
- 1075 Degaussing and Mine Sweeping Equipment
- 1080 Camouflage and Deception Equipment
Includes Dummy Artillery, Aircraft and Vehicles; Garnished Nets.
- 1090 Assemblies Interchangeable Between Weapons in Two or More Classes
Includes Components and Accessories used on or with weapons falling in two or more classes of group 10.
- 1095 Miscellaneous Weapons
Includes Line Throwing Guns; Catapult Guns; Bayonets; Saluting Guns; Signal Guns; Flare Guns; Barrage Balloons; Accessories, not elsewhere classifiable, for Weapons in this group; Expendable Bomb Dispensers.

GROUP 11 Nuclear Ordnance

NOTE: This group includes, in particular, nuclear ordnance training weapons, practice ballistic units, and all components specially designed therefore, when not specifically classified elsewhere. Also included in the group are specially designed simulators and mockups, which are integral parts of the above. Excluded from this group are general purpose nose cones, case sections, flare sections or center sections designed to carry payloads other than nuclear and/or for use on a missile, rocket, or re-entry vehicle to attain the necessary aerodynamic configuration.

- 1105 Nuclear Bombs

	<p>NOTE: This class includes nuclear weapons (including bombs), which are designed to be dropped from an aircraft. <i>Includes</i> Ballistic cases, tail assemblies, retardation devices, and other peculiar components which are not classifiable elsewhere.</p> <p><i>Excludes</i> Parachute canopies and canopy hardware.</p>		
1110	<p>Nuclear Projectiles</p> <p>NOTE: This class includes nuclear weapons which are designed to be propelled from a recoilless rifle, gun, howitzer, or the like, and which are not designed to be self propelled. <i>Includes</i> Ogive sections, body sections, bases, and other peculiar components which are not classifiable elsewhere.</p>	1127	<p>Nuclear Rockets</p> <p>NOTE: This class includes nuclear weapons, consisting of rocket bodies assembled with nuclear warheads, which comprise a single item of supply and are issued as such. <i>Includes</i> Components peculiar to assembled rockets which are not classifiable elsewhere.</p> <p><i>Excludes</i> Rocket Motors; Warhead Components; Rocket Components classified in other FSC classes.</p>
1115	<p>Nuclear Warheads and Warhead Sections</p> <p>NOTE: This class includes nuclear warheads (without or assembled with case sections, adaption kits, and/or fuzing and firing components) which are to be used in or with bombs, rockets, projectiles, missiles, demolition charges, or the like. Also includes case sections, nose cones, flare sections, center sections, and auxiliary structural components of missiles, rockets, and re-entry vehicles which are designed or constructed for exclusive use with or for housing of nuclear warheads and/or warhead sections. <i>Includes</i> Components and parts peculiar to the warhead or warhead section, which are not classifiable in more specific classes. <i>Excludes</i> Such components as fuzing and firing devices, nuclear components, high explosive components, classifiable in more specific classes, and items such as projectiles and bombs which include the entire outer case of a weapon.</p>	1130	<p>Conversion Kits, Nuclear Ordnance</p> <p>NOTE: This class Includes collections of items used for the purpose of converting nuclear weapons from one configuration to another.</p>
		1135	<p>Fuzing and Firing Devices, Nuclear Ordnance</p> <p><i>Includes</i> Such items as fuzes, power supplies, firing sets, X-units, cables, safing devices, adaption kits, and re-entry vehicle nuclear ordnance arming and fuzing systems.</p>
		1140	<p>Nuclear Components</p> <p><i>Includes</i> All components which contain or simulate nuclear active materials. <i>Excludes</i> End items, such as bombs, projectiles, warheads, and the like.</p>
1120	<p>Nuclear Depth Charges</p> <p>NOTE: This class includes nuclear weapons which consist of depth charge bodies assembled with nuclear warheads. It includes training weapons and all specially designed components which are not classifiable elsewhere.</p>	1145	<p>Explosive and Pyrotechnic Components, Nuclear Ordnance</p> <p>NOTE: This class includes actual and simulated explosive and pyrotechnic components peculiar to all nuclear ordnance end items such as bombs, demolition charges, rockets, projectiles, warheads, and related systems. Excluded from this class are all explosive and pyrotechnic components designed for other than nuclear ordnance applications.</p>
1125	<p>Nuclear Demolition Charges</p> <p>NOTE: This class includes nuclear weapons which are designed to be emplaced in or near a structure, area or the</p>	1190	<p>Specialized Test and Handling Equipment, Nuclear Ordnance</p> <p><i>Includes</i> Specially designed trucks and trailers for nuclear ordnance; Specially designed slings and hoists; Operational,</p>

test, and setting devices, and cradles; Conditioning Kits and Sets, Controlled Environment.
Excludes Hand tools; Instruments for use on both nuclear ordnance and other equipment; Basic types of electrical and electronic test instruments, including those specially designed, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments, as shown in the indexes in the FSC.

1195 Miscellaneous Nuclear Ordnance
Includes Items common to more than one class or items not properly fitting into the foregoing classes of nuclear ordnance

**GROUP 12
 Fire Control Equipment**

NOTE: Fire Control assemblies, subassemblies, and components are classified:

a. In appropriate classes of this group when: (1) Designed for multiple applications to different kinds of fire control equipment. (2) Modified for use with guided missile remote control systems. (3) Designed specifically for shipborne guided missile remote control systems. (4) Radar equipment, designed specifically for fire control systems. (5) Both day and night viewing characteristics are incorporated into an integral unit. b. In class 1270 or 1280, when designed specifically for aircraft gunnery or aircraft bombing fire control, respectively. c. In class 1430, when designed specifically for guided missile remote control systems, except shipboard type. d. In appropriate classes of group 58, when designed for multiple applications to both fire control and communication equipment. e. In appropriate classes of group 58 when designed for night vision.

1210 Fire Control Directors

1220 Fire Control Computing Sights and Devices

1230 Fire Control Systems, Complete
 NOTE: This class includes only complete fire control systems. Anything less than a complete system, such as individual end items, assemblies, parts, attachments, or accessories for use in fire control systems are classified in classes other than this class.

1240 Optical Sighting and Ranging Equipment

Includes Periscopes for Submarines; Range and Height Finders; Telescopic Sights; Optical Instruments Integrated with Fire Control Equipment.

1250 Fire Control Stabilizing Mechanisms

1260 Fire Control Designating and Indicating Equipment
Includes Turret, Gun, Torpedo Mount, and Searchlight Indicating Equipment; Target Designating Equipment; Synchro Systems.

1265 Fire Control Transmitting and Receiving Equipment, except Airborne
Includes Fire Control Transmitters, Transmitter-Receivers, Receivers, Receiver-Regulators.
Excludes Fire Control Transmitting and Receiving Equipment, Specially Designed for use on or with Fire Control Radar Equipment.

1270 Aircraft Gunnery Fire Control Components
Includes Turrets, Aircraft; Computers, specifically designed; Complete Gyro Mechanisms.
Excludes Gun Chargers; Ammunition Boxes; Gun Heaters; Field and Link Chutes; Ammunition Boosters; Gyro Components; Complete Fire Control Systems.

1280 Aircraft Bombing Fire Control Components
Includes Computers, specifically designed; Complete Gyro Mechanisms; Optical Instruments for Bombing Fire Control.
Excludes Gyro Components; Optical Elements, such as Lens, Prisms, Filters.

1285 Fire Control Radar Equipment, except Airborne
Includes Radar Sets, Assemblies, Subassemblies, and Components Specially Designed for use on or with Fire Control Equipment.

1287 Fire Control Sonar Equipment
 NOTE: This class includes airborne, shipborne, and submarineborne sonar sets, assemblies, subassemblies, and components designed specifically for use with underwater fire control equipment.

1290 Miscellaneous Fire Control Equipment
Includes Fuze Setters; Ordnance Cable Systems; Aiming Circles; Flash and Sound

Ranging Sets; Fire Control Components and Subassemblies Not Classifiable in other classes of group 12.

GROUP 13
Ammunition and Explosives

NOTE: Excluded from this group are items specially designed for nuclear ordnance application.

- 1305 Ammunition, through 30 mm
Includes Components.
- 1310 Ammunition, over 30 mm up to 75 mm
Includes Components, except Fuzes and Primers; Chemical Warfare Cartridges.
Excludes Fuzes and Primers.
- 1315 Ammunition, 75 mm through 125 mm.
Includes Components except Fuzes and Primers; Pyrotechnic Cartridges and Projectiles; Chemical Warfare Cartridges and Projectiles
Excludes Fuzes and Primers.
- 1320 Ammunition, over 125 mm
Includes Components, except Fuzes and Primers; Chemical Warfare Projectiles.
Excludes Fuzes and Primers.
- 1325 Bombs
Includes Components; Photoflash Bombs; Chemical Warfare Bombs; Bomb Clusters.
- 1330 Grenades
Includes Components; Hand and Rifle Grenades; Smoke Grenades.
Excludes Firing Devices (Launchers).
- 1336 Guided Missile Warheads and Explosive Components
Includes Warheads Containing Military Chemical Agents; Exercise Heads, Guided Missile.
Excludes Atomic Ordnance Warheads; All other Warheads for use on other than guided missiles; Liquid Propulsion Units; Rocket Engines (Liquid Propellant Units); JATO Units; Rocket Motors (Solid Propellant Units) for Guided Missiles; Solid Fuel Propulsion Units; Propellant Chemicals encased in consumable containers, such as squibs and cartridges for insertion into missile propulsion systems as integral parts.

- 1337 Guided Missile and Space Vehicle Explosive Propulsion Units, Solid Fuel; and components
Includes Rocket Motors (Solid Propellant Units) for Guided Missiles, Explosive-Loaded; All Explosive Components for Guided Missile and Space Vehicle Solid Fuel Propulsion Units; Solid Propellants encased in consumable containers, such as squibs and cartridges, intended for insertion into missile propulsion systems as integral parts.
Excludes Rocket Motors (Solid Propellant Units) for Guided Missiles, Inert-Loaded or Empty; All Inert (Nonexplosive) Components for Guided Missile and Space Vehicle Solid Fuel Propulsion Units; Guided Missile Warheads and Components; Rocket Propulsion Units; Rocket Motors (Solid Propellant Units) for Rockets; Solid Propellants predetermined to specific quantity and quality, but packaged in reusable containers.
- 1338 Guided Missile and Space Vehicle Inert Propulsion Units, Solid Fuel; and components
Includes Rocket Motors (Solid Propellant Units) for guided Missiles, Inert-Loaded or Empty; All Inert (Nonexplosive) Components for Guided Missile and Space Vehicle Solid Fuel Propulsion Units.
Excludes Rocket Motors (Solid Propellant Units) for Guided Missiles, Explosive-Loaded; Guided Missile Warheads and Components; Rocket Propulsion Units; Rocket Motors (Solid Propellant Units) for Rockets.
- 1340 Rockets, Rocket Ammunition and Rocket Components
Includes Complete Rounds; Explosive Components, Including Warheads; Pyrotechnic Rockets; Solid Fuel JATO Units; Rocket Motors (Solid Propellant Units) for Rockets; Covers, Protective Rocket Warhead; Jettisonable Rocket Launchers; Conditioning Kits and Sets, Controlled Environment; and other peculiar components which are not classified elsewhere.
Excludes Nuclear rockets, Nuclear warheads; all other warheads for use on other than rockets; and rockets with built-in guiding devices.

1345	Land Mines <i>Includes</i> Components; Antipersonnel Mines; Antitank Mines; Fuzes.		
1350	Underwater Mine Inert Components <i>Includes</i> Parachute Packs; Inert Mine Cases; Booster Cans; Clock Delays; Clock Starters; Search Coils; Extenders.		
1351	Underwater Mine Explosive Components <i>Includes</i> Loaded Cases; Boosters; Detonators.		
1355	Torpedo Inert Components		
1356	Torpedo Explosive Components <i>Includes</i> Warheads; Boosters; Detonators.		
1360	Depth Charge Inert Components <i>Includes</i> Inert Firing Mechanisms; Pistols without Detonators; Extenders.		
1361	Depth Charge Explosive Components <i>Includes</i> Cases; Boosters; Detonator.		
1365	Military Chemical Agents <i>Includes</i> War Gases; Screening Smokes; Incendiary and thickening Agents; Signaling Smokes. <i>Excludes</i> Ammunition containing Military Chemical Agents.		
1370	Pyrotechnics <i>Includes</i> Flares; Signals; Fireworks; Pistol Rocket Signals. <i>Excludes</i> Pyrotechnic Cartridges and Projectiles; Photoflash Bombs; Pyrotechnic Rockets.		
1375	Demolition Materials <i>Includes</i> Items for construction, quarrying and demolition work such as Dynamite and other explosives packed in cylindrical paper cartridges or in bags, Demolition Charges; Blasting Caps; Blasting Time Fuses; Detonating Cord; Demolition Firing Devices; Booby Trap Mechanisms; Bangalore Torpedoes; Inert accessories and components such as Blasting Machines, Priming Adapters, and Detonating Cord Clips. <i>Excludes</i> Liquid Propellant Fuels and Oxidizers; Solid Propellants encased in consumable containers, for insertion into missile propulsion systems as integral		
		1376	Bulk Explosives <i>Includes</i> Solid Propellants, predetermined to specific quantity and quality, packaged in reusable containers; Explosive Loaded Devices and Components as shown in the indexes to the FSC. <i>Excludes</i> Liquid Propellant Fuels and Oxidizers; Solid Propellants encased in consumable containers, for insertion into missile propulsion systems as integral parts; Guided Missile Explosive Devices; Blasting and Demolition Materials; Safety-in-Flight Explosive Items and Devices such as Impulse Cartridges, Delay Cartridges, Aircraft Ejection Seat Catapults, Aircraft Canopy Removers; Rocket and Guided Missile Motors, Warheads, and Propulsion Sections; similar items, as shown in the indexes to the FSC.
		1377	Cartridge and Propellant Actuated Devices and Components NOTE: This class includes safety-in-flight explosive items, consisting of a quantity of propellant (either encased in a cartridge or in molded form) and a means of activation, designed to be inserted into or attached to one or more devices to provide the energy required to operate devices requiring a time delay, or not requiring a time delay, in their operating sequence. Also included are devices designed to utilize energy generated by the items described above. <i>Includes</i> Impulse Cartridges; Delay Cartridges; Engine Starter Cartridges (explosive filled); Fire Extinguisher Cartridges (used to activate by remote control); Aircraft Ejection Seat Catapults; Rocket Motors (Solid Propellant Units) for Aircraft Ejection Seats; Aircraft Canopy Removers; Thrusters, propellant and cartridge actuated; Initiators; Explosive Bolts and Explosive Bolt Cartridges;

	<p>Cutters, cartridge or propellant actuated, Reefing Line; Powder actuated Tool Cartridges; Explosive Loaded Devices and Components which are not specifically classified elsewhere.</p> <p><i>Excludes</i> Liquid Propellant Fuels and Oxidizers; Solid Propellants, encased in consumable containers for insertion into missile propulsion systems as an integral part; Guided Missile Explosive Devices; Bulk and Solid Propellants, predetermined to specific quantity and quality, packaged in reusable containers; Blasting and Demolition Materials; Rocket Motors, Warheads and Propulsion Sections for Rockets and Guided Missiles.</p>	1398	<p>Specialized Ammunition Handling and Servicing Equipment.</p> <p><i>Includes</i> Handling and servicing equipment specially designed for use on or with rockets and conventional ammunition.</p> <p><i>Excludes</i> Handling and servicing equipment specially designed for use on or with rocket and pyrotechnic launchers; Ammunition maintenance and repair shop specialized equipment; Handling equipment specially designed for aircraft or airfield use.</p>
		<p>GROUP 14 Guided Missiles</p>	
1385	<p>Surface Use Explosive Ordnance Disposal Tools and Equipment</p> <p>NOTE: This class includes only specialized tools and equipment developed for and used by qualified Explosive Ordnance Disposal (EOD) personnel.</p> <p><i>Excludes</i> Nonspecialized or common tools and equipment not developed exclusively for use by qualified EOD personnel; specialized demolition material; explosive loaded shaped charges.</p>		<p>NOTE: This group includes missiles (with or without warheads or explosive components) incorporating mechanisms capable of altering normal flight paths. Radar and infrared assemblies and components designed specifically for use with guided missiles are classified in the appropriate classes of this group. Excluded from this group are case sections, nose cones, flare sections, center sections, warheads, explosive components, rockets, and auxiliary components of missiles and re-entry vehicles which are designed or constructed for exclusive use with or for housing of nuclear warheads and/or warhead sections. Also excluded are space vehicle nose cones and space capsules specifically designed to carry loads peculiar to space research and space travel</p>
1386	<p>Underwater Use Explosive Ordnance disposal and Swimmer Weapons Systems Tools and Equipment.</p> <p>NOTE: This class includes only specialized tools and equipment developed for and used by qualified Explosive Ordnance Disposal (EOD) personnel, Underwater Demolition Teams (UDT), and/or Sea-Air-Land (SEAL) personnel.</p> <p><i>Excludes</i> Nonspecialized or common tools not developed exclusively for use by qualified EOD, UDT, and/or SEAL personnel; specialized demolition material; explosive loaded shaped charges.</p>	1410	<p>Guided Missiles</p> <p>NOTE: This class includes only complete guided missiles, with or without warheads and explosive components, whether in assembled or unassembled form. End items, assemblies, parts, attachments, or accessories for use in or on guided missiles are classified in classes other than this class.</p> <p><i>Includes</i> Complete Drones, initially designed as missiles, but converted to drone use.</p>
1390	<p>Fuzes and Primers</p> <p>NOTE: This class includes only fuzes and primers for use in ammunition classified in classes 1310, 1315, and 1320.</p> <p><i>Excludes</i> Fuzes and Primers for ammunition not classified in classes 1310, 1315, and 1320.</p>	1420	<p>Guided Missile Components</p> <p><i>Includes</i> Structural Components; Components and Accessories Specially Designed for use on or with guided missiles, including Complete Gyro Mechanisms, Hydraulic Pumps, Automatic Pilot Mechanisms and Specially Designed Assemblies, and Electronic Guidance Equipment installed in missiles.</p> <p><i>Excludes</i> Electronic Remote Guidance</p>
1395	<p>Miscellaneous Ammunition</p> <p><i>Includes</i> Ammunition Shapes, such as Blanks, Disks, Slugs, Cups, and Rotating Bands (Shell Bands).</p>		

Equipment used to guide missiles; Solid and Liquid Propellant Units; Components of Gyro Mechanisms.

1425 Guided Missile Systems, Complete
 NOTE: This class includes only complete guided missile systems. Anything less than a complete system, such as individual end items, assemblies, parts, attachments, or accessories for use in guided missile systems are classified in classes other than this class.
Excludes Guided Missile Subsystems.

1427 Guided Missile Subsystems
 NOTE: This class includes only combinations or assemblies of two or more end items, each of which is properly classified in other classes of this group, identified as single items of supply. Excluded from this class are individual end items, assemblies, subassemblies, attachments, accessories or parts classified in other classes of this group, not combined as single items of supply.
Excludes Complete Guided Missile Systems.

1430 Guided Missile Remote Control Systems
 NOTE: This class includes airborne and nonairborne guided missile remote control systems, components, and accessories, designed specifically for use therewith. Excluded from this class are fire control assemblies, subassemblies, and components modified for use with guided missile remote control systems, and fire control assemblies designed specifically for shipboard use.
Includes Specially Designed Components of Guided Missile Remote Control Systems.
Excludes Guided Missile Internal (Built-in) Control Systems; Components used in both guided missiles and other than guided missiles (including fire control components).

1440 Launchers, Guided Missile
Includes Airborne and Nonairborne Guided Missile Launchers.
Excludes Aircraft Launchers; Rocket Launchers.

1450 Guided Missile Handling and Servicing Equipment
Includes Specially Designed Trucks and Trailers for use in transporting guided

missiles; Specially Designed Slings, Hoists, Jacks, and Blowers; Self-propelled Vehicles and Trailers, Specially Designed for Guided Missile Handling or Servicing; Covers, Guided Missile; Conditioning Kits and Sets, Controlled Environment.
Excludes Guided Missile Launchers (**FSC 1440**); Aircraft Handling and Servicing Equipment (**FSC 1730**).

GROUP 15
Aircraft and Airframe Structural Components

1510 Aircraft, Fixed Wing
 NOTE: This class includes only complete aircraft. End items, assemblies, parts, attachments, or accessories for use in or on fixed wing aircraft are classified in classes other than this class.

1520 Aircraft, Rotary Wing
 NOTE: This class includes only complete aircraft. End items, assemblies, parts, attachments, or accessories for use in or on rotary wing aircraft are classified in classes other than this class.
Includes Helicopters.

1540 Gliders
 NOTE: This class includes only complete gliders. End items, assemblies, parts, attachments, or accessories for use in or on gliders are classified in classes other than this class.
Includes Motorized Gliders.

1550 Drones
 NOTE: This class includes only complete drones. End items, assemblies, parts, attachments, or accessories for use in or on drones are classified in classes other than this class.
Includes Drones specifically designed for such uses as targets, training, surveillance, missile evaluation, and photographic reconnaissance.
Excludes Piloted aircraft and guided missiles converted to drone use.

1560 Airframe Structural Components
 NOTE: This class includes fabricated system parts that are permanently attached or peculiar to the integral airframe of an aircraft, such as support structural components, spars, ribs, ailerons,

stabilizers, bulkheads.
Includes Flight Control Surfaces, internal and external Auxiliary Fuel Tanks; Exhaust Systems, Pylons, Trim Tabs; Aircraft.
Excludes Fitted Covers; Helicopter Rotor Brake System and Components; Aircraft Loose Equipment and Alternate Mission Configuration Equipment stored on board the Aircraft.

GROUP 16
Aircraft Components and Accessories

- 1610 **Aircraft Propellers and Components**
Includes Aircraft Propellers; Propeller Blades, Cams, Cones, Hubs, Nuts, and Spinners; Test Clubs; Synchronizers; Power Control Units; Integral Oil Control Measures and Propeller Governors.
Excludes Rotary Rudder and Rotary Wing Blades (FSC 1615).
- 1615 Helicopter Rotor Blades, Drive Mechanisms and Components
 NOTE: This class includes miscellaneous component parts specifically designed for, and used exclusively in, helicopter drive mechanisms and rotor blades when not specifically classified elsewhere in the FSC indexes.
Includes Helicopter dynamic components and specially designed parts that transmit power from the aircraft power plant to the rotary wing and rotary rudder. Also included in this class are Rotors; Blades; Rotor Blade, Trim, Tabs; Blade Sets; Yokes; Clutches and Transmissions.
Excludes Propellers (FSC 1610); Rotor Brake Systems Components (FSC 1630); Rotor Blade Hydraulic Folding System Components (FSC 1650); Hydraulic Servo System Components (FSC 1650).
- 1620 Aircraft Landing Gear Components
Includes Shock Struts and Components; Installation Elements, such as Torsion Bars, Vibration Links, Drag Struts; Landing Gear Trunions, Axles and Shimmy Dampeners; Specially designed hydraulic power steering system components.
Excludes Mounting Braces and Mounting Plates permanently installed on aircraft (FSC 1680); Landing Wheels, Skis, and Floats (FSC 1630); Wheel Brakes and Wheel

Brake Cylinders (FSC 1630).

- 1630 Aircraft Wheel and Brake Systems
Includes Skis; Floats; Tracks; Landing Wheel Skid Detectors; Valves specifically designed for use with hydraulic or pneumatic wheel and brake systems; Helicopter Rotor Brake System Components.
Excludes Landing Gear Axles (FSC 1620).
- 1650 Aircraft Hydraulic, Vacuum and De-icing System Components
 NOTE: This class includes only those components specifically designed for aircraft use.
Includes Hydraulic and Pneumatic Accumulators, Pumps, Motors, Actuating Cylinders, and Filters; De-icing Boots; Fluid Type De-icing Pumps, Valves and Filters; Vacuum System Oil Separators; Pneumatic Pressurization Equipment other than that for pressurizing cabins and compartments.
Excludes Jet Engine Hydraulic Components (FSC 2840); Valves specifically designed for air conditioning, heating, ventilating, cabin pressurizing, and thermal de-icing (FSC 1660); Valves specifically designed for use with Aircraft Engines (FSC 2840); Guided Missiles and Guided Missile Engines (FSC 1338); Landing Gear (FSC 1620), Wheel and Brake System Components (FSC 1630); Oxygen Breathing System Components (FSC 1660); In-flight Refueling System Hydraulic components (FSC 1680); Specially designed hydraulic power steering system components (FSC 1620).
- 1660 Aircraft Air Conditioning, Heating, and Pressurizing Equipment
 NOTE: This class includes components specifically designed for use in aircraft air conditioning, heating, and pressurizing equipment. Also included are specially designed components of oxygen breathing systems used in aircraft.
Includes Cabin Supercharging Equipment; Canisters; Cylinder Assemblies; Masks; Fixed Oxygen Systems; Specially Designed Aircraft Valves; Cabin Pressure Regulators; Heat Exchangers; Air Expansion Turbines; Aircraft Heaters; Ventilating System Components; Air Conditioning and Heating Duct Assemblies; Thermal De-icing Equipment; Cabin and Compartment Pressurizing Equipment; Air Diffusers; Cabin Pressure Selectors; Liquid Oxygen

Converters.
Excludes Oxygen Pressure Signals and Warning Devices; Tubing; Ground Type Heaters and Coolers; Pressurizing Equipment other than that used for Cabin and Compartment Pressurization; Fluid Deicing Equipment; Valves specifically designed for use with Aircraft Engines, Guided Missiles, and Guided Missile Engines.

1670 Parachutes; Aerial Pick Up, Delivery, Recovery Systems; Cargo Tie Down Equipment
 NOTE: Includes specifically designed items, sets, and systems for air-to-air, air-to-surface, and surface-to-air delivery, pick up and recovery operations, unless parts, attachments, assemblies, for use in or on such systems (i.e. space vehicle aerial recovery systems) are specifically indexed to other classes of the FSC (i.e., transmitting radio buoys and direction finding subsystem components).
Excludes Fitting Assemblies built into the aircraft structure.

1680 Miscellaneous Aircraft Accessories and Components
Includes Control Assemblies, Push-Pull; Brace, Positioning Cargo Ramp Stowed on Board; Cockpit Mounted Control Quadrants; Actuators, Electromechanical and Mechanical; Ventilators; Relief Tubes; Map Holders; Aerial Glider Towing Accessories Attached to Aircraft; Belts, Safety and Lap; Harness, Shoulder and Safety; Litter Attaching Supports; Electric Windshield Wipers; Aircraft Onboard Inert Gas Generators; Aircraft Furniture; Aircraft Mounted Winches and Hoists; In-Flight Refueling System Components, including Fuel Components; Aircraft Curtains; Cable Tension Regulators; Sun Visors; Rear-View Mirrors; Mechanical Transmissions, Gearboxes and Constant Speed Drives Specially Designed for Aircraft.
Excludes Engine Mounted Control Assemblies; Fitted Covers, Aircraft Pylons; Helicopter Rotor Brake System Components; Helicopter Automatic Stabilization Equipment.

GROUP 17

Aircraft Launching, Landing, and Ground Handling Equipment

NOTE: Excluded from this group are trucks, trailers, and servicing equipment specially designed for guided missile or atomic ordnance use.

1710 Aircraft Landing Equipment
Includes Aircraft Arresting Barriers.
Excludes Airport Runway Marker Lights (see FSC Class 6220).

1720 Aircraft Launching Equipment
Includes Catapults.
Excludes Guided Missile Launchers (FSC Class 1440) and Space Vehicle Launchers (FSC Class 1840).

1730 Aircraft Ground Servicing Equipment
 NOTE: This class excludes "vehicular components" such as those listed under FSCs 2520, 2530, 2540, 2590.
Includes Energizers; Engine Preheaters; Mooring Assemblies; Wheel Chocks; Beaching Equipment; Aileron, Elevator, and Rudder Locks; Passenger Loading Ramps; Maintenance Platforms; Aircraft Maintenance and Boarding Ladders; Aircraft Maintenance Slings and Hoists; Aircraft Fin Tilting Jacks; Airfield Specialized Lift Trucks and Trailers; Fitted Covers for Airframe Components; Aircraft Engine Covers.
Excludes Airfield Specialized Trucks and Trailers designed primarily for transporting aircraft assemblies (**FSC 1740**); Maintenance Stands designed for support of aircraft assemblies during repair or overhaul (**FSC 4920**); Test Stands (**FSC 4920**); General Purpose Jacks (**FSC 5120**); Slings (**FSC 3940**), and Hoists (**FSC 3950**); Trailers (**FSC 2330**), Liquid Oxygen, Aircraft Servicing (**FSC 1660**).

1740 Airfield Specialized Trucks and Trailers
 NOTE: This class excludes "vehicular components" such as those listed under FSCs 2520, 2530, 2590.
Includes Airfield Specialized Trucks and Trailers designed primarily for transporting aircraft assemblies; Trailers: Afterburner, Engine, Propeller, Fuselage, and Wing; Trucks, Aircraft Fuselage and Aircraft Wing; Skids, Engine transport; Stands, Engine Transport; Bomb Trailers, Airfield; Trucks, Crashed Aircraft Removing.

Excludes Airfield Specialized Lift Trucks (**FSC 3930**), and Trailers (**FSC 2330**); Highway Type Trucks (**FSC 2320**), and Trailers (**FSC 2330**); Cargo Loading and Unloading Trailers (**FSC 2330**) and Trucks (**FSC 2320**).

GROUP 18
Space Vehicles

NOTE: This group includes space vehicles, such as space capsules, manmade moons, orbitals, satellites, space platforms, and the like, manned or unmanned. Excluded from this group are guided missiles and rockets.

- 1810 Space Vehicles
NOTE: This class includes only complete space vehicles, whether in assembled or unassembled form.
- 1820 Space Vehicle Components
Includes Structural Components; Components and Accessories specially designed for installation in or on Space Vehicles; internal (built-in) Control Systems.
Excludes Remote Guidance Equipment.
- 1830 Space Vehicle Remote Control Systems
Includes Specifically designed Components of Space Vehicle Remote Control Systems.
Excludes Internal (built-in) Control Systems; Components designed for use with both Guided Missile and Space Vehicle Systems.
- 1840 Space Vehicle Launchers
Includes Launchers specifically designed for Space Vehicles.
Excludes Launchers used with both Guided Missile and Space Vehicles.
- 1850 Space Vehicle Handling and Servicing Equipment
NOTE: This class does not include space vehicle aerial recovery systems which are classified in class 1670.
Includes Specially designed Trucks and Trailers for use in transporting Space Vehicles; Specially designed Slings, Hoists, Jacks, and Blowers, Self-propelled Vehicles, specially designed for space vehicle handling or servicing; Covers, space vehicle.
Excludes Equipment used in handling or servicing both Guided Missiles and Space Vehicles.

- 1860 Space Survival Equipment
Includes Food and Water Production Equipment; Air Production Equipment; Shelter Equipment; Power Generation and Conversion Equipment.
Excludes Items which are integral components of Space Vehicles.

GROUP 19

Ships, Small Craft, Pontoons, and Floating Docks

NOTE: Only complete ships, small craft, floating docks, floating drydocks, and dredges (with or without hull) are classified in this group. End items, assemblies, parts, attachments, or accessories for use in or on the above are classified in group 20-Ship and Marine Equipment, unless other classes (outside of group 19) are applicable.

- 1905 Combat Ships and Landing Vessels
Includes Aircraft Carriers; Battleships; Cruises; Destroyers; Submarines; Frigates and Corvettes; Gunboats; Motor Torpedo Boats; Subchasers; Landing Barges; Minelaying and Mine Sweeping Craft.

- 1910 Transport Vessels, Passenger and Troop

- 1915 Cargo and Tanker Vessels

- 1920 Fishing Vessels

- 1925 Special Service Vessels
Includes Tugs; Towboats; Fire Boats; Ice Breakers; Repair Ships; Tender Vessels (Buoy, Lighthouse, Destroyer); Lightships; Cable Ships; Salvage and Submarine Rescue Vessels.
Excludes Combat Vessels; Dredges.

- 1930 Barges and Lighters, Cargo
Includes Aircraft Lighters, Car Floats and other Transportation Barges, Depot Barges; Scows.

- 1935 Barges and Lighters, Special Purpose
Includes Derrick, Piledriver, and Rock Cutter Barges; Barrage Balloon, Catapult Lighter, and Torpedo Testing Barges; Concrete Mixing Plant, Mechanical Bank Grader, and other Bank Revetment Barges; Fire, Smudge Removal, and other Pump Barges; Houseboats, except Yacht Type; Power Plant Barges; Refrigeration Barges; Barge Mounted Cranes, Flexible Towed Barges.
Excludes Combat Landing Barges.

- 1940 Small Craft
Includes Powered and Unpowered Small Craft; Lifesaving Boats; Airplane Crash Boats; Reconnaissance Boats; Yachts; Pneumatic Boats.
Excludes Fishing Craft; Life Rafts, including

Pneumatic; Bridge Floats and Pontoons.

- 1945 Pontoons and Floating Docks
Includes Camels; Pontoon Stanchions; Pontoon Ramps.
Excludes Floating Drydocks; Bridge Floats and Pontoons; Pontoon Hardware (Jewelry).

- 1950 Floating Drydocks

- 1955 Dredges
Includes Dredges, without Hull; Ocean-Going Dredges; Floating Dredges.

- 1990 Miscellaneous Vessels
Includes Commercial Sailing Vessels

GROUP 20

Ship and Marine Equipment

- 2010 Ship and Boat Propulsion Components
Includes Propulsion Shafts; Ship Propellers; Marine Transmissions, Reverse and Reduction Gear Type.
Excludes Engines (**FSC 2810, 2815**); Turbines (**FSC 2825, 2835, 2840**).

- 2020 Rigging and Rigging Gear
Includes Masts; Kingposts; Sail Booms; Shipborne Booms not attached to Cranes and Derricks.
Excludes Tackle Blocks.

- 2030 Deck Machinery
Includes Steering Gears and Controls; Boat Davits.

- 2040 Marine Hardware and Hull Items
Includes Anchors; Grapnels; Sea Anchors; Watertight Doors; Ship Ventilators; Hatches; Manholes; Scuttles; Air Ports; Fenders; Sea Chests; Scuppers; Rudders; Stern Tubes; Chain Pipes; Hawse Pipes; Boiler Uptakes and Stacks; Chocks; Mast and Boom Fittings; Oars; Paddles; Oarlocks.

- 2050 Buoys

- 2060 Commercial Fishing Equipment
Excludes Fishing Vessels.

- 2090 Miscellaneous Ship and Marine Equipment
Includes Sails; Chain Ladders; Rope Ladders; Marine Furniture.

**Groups 22
Railway Equipment**

- 2210 Locomotives
NOTE: This class includes only complete locomotives and tenders. End items, assemblies, parts, attachments, or accessories for use in or on locomotives and tenders are classified in classes other than this class.
Excludes Self-Propelled Cars.
- 2220 Rail Cars
NOTE: This class includes only complete rail cars. End items, assemblies, parts, attachments, or accessories for use in or on rail cars are classified in classes other than this class.
Includes Trailed Cars; Self-Propelled Cars.
Excludes Aerial Tramway Cars.
- 2230 Right-of-Way Construction and Maintenance Equipment, Railroad
Includes Rail Laying, Joining, and Shifting Equipment; Self Propelled and Car Mounted Cranes.
Excludes Hand Tools (FSG 51).
- 2240 Locomotive and Rail Car Accessories and Components
Includes Brake Beams and Components; Couplers; Trucks and Components; Journals and Components; Wheel Sets and Components.
Excludes Railroad Furniture (FSG 71).
- 2250 Track Material, Railroad
Includes Railroad Rails; Railroad Tie Plates; Railroad Turnouts and Components; Railroad Spikes.
Excludes Ballast (FSC 5610); Railroad Ties (FSC 5510).

**GROUP 23
Ground Effect Vehicles, Motor Vehicles, Trailers,
and Cycles**

- 2305 Ground Effect Vehicles
- 2310 Passenger Motor Vehicles
NOTE: This class includes only complete passenger motor vehicles, and chassis therefor. Any end items, assemblies, parts,

attachments, or accessories, other than complete chassis, for use in or on passenger motor vehicles are classified in classes other than this class.
Includes Cars, Motor, Highway; Buses; Chassis, Passenger Motor Vehicle; Hearses; Ambulances.
Excludes Amphibious Personnel Carriers; All Truck Chassis.

- 2320 Trucks and Truck Tractors, Wheeled
NOTE: This class includes only complete wheel mounted trucks and truck tractors, and chassis therefore. Any end items, assemblies, parts, attachments, or accessories other than complete chassis, for use in or on such trucks or truck tractors are classified in classes other than this class. The combined chassis and body of a special purpose truck, such as a machine shop, mobile laundry, or dental laboratory, is classified in this class. The complete mobile unit, consisting of chassis, body, and additional equipment, as in an equipped truck mounted machine shop, is excluded from this class.
Includes Panel, Delivery and Pick Up Trucks, Tactical and Administrative Military Cargo Carrying Vehicles, including Wheel Mounted Amphibian Vehicles; Truck Tractor and Trailer Combinations; Armored Cars.
Excludes Fire Trucks; Special Construction Type Earth and Rock Hauling Trucks; Motorized Air Compressors; Motorized Concrete Mixers; Construction Specialized Machinery Generally; Specially designed trucks for use in and around, airfields, hangars, and warehouses; Tracked and Halftracked Vehicles.

- 2330 Trailers
NOTE: This class includes only complete trailers, and chassis therefor. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on trailers are classified in classes other than this class. The combined chassis and body of a special purpose trailer, such as a machine shop, mobile laundry, or dental laboratory, is classified in this class. The complete mobile unit, consisting of chassis, body, and additional equipment, as in an equipped trailer-mounted machine shop, is excluded from this class.
Includes Semitrailers; Semitrailer Dollies;

Cargo Trailers; Passenger and House Trailers; Special Purpose Trailers, such as Ammunition.

Excludes Fire Fighting Trailers; Specially designed trailers for use in and around airfields, hangars, and warehouses.

- 2340 Motorcycles, Motor Scooters, and Bicycles
NOTE: This class includes only complete motorcycles, complete motor scooters, and complete bicycles. End items, assemblies, parts, attachments, or accessories for use in or on motorcycles, motor scooters, or bicycles are classified in classes other than this class.
Includes Sidecars; Tricycles.
Excludes Children's Wheeled Goods.

- 2350 Combat, Assault, and Tactical Vehicles, Tracked
NOTE: This class includes only complete combat, assault, and tactical tracked vehicles, and chassis therefor. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on such vehicles are classified in classes other than this class.
Includes Tanks and Tracked Self-Propelled Weapons and Vehicles with or without amphibian capabilities; Armored Halftracks; Self-Propelled Sleds; and Self-Propelled Flame Throwers.
Excludes Wheel Mounted Vehicles

GROUP 24 Tractors

NOTE: This group includes only complete tractors and tractor chassis. Assemblies, subassemblies, parts, attachments or accessories are excluded from this group.

- 2410 Tractors, Full Tracked, Low Speed
NOTE: This class includes only complete low speed, full track tractors, and chassis therefor. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on low speed, full track tractors are classified in classes other than this class.
Excludes High Speed Tractors (FSC Class 2430 Armored Dozer-Scraper Combination Tractors (FSC Class 2350).

- 2420 Tractors, Wheeled
NOTE: This class includes only complete wheeled tractors, and chassis therefor. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on wheeled tractors, are classified in classes other than this class.
Includes Agricultural Tractors; High Speed Tractors; Industrial Tractors.
Excludes Aircraft Towing Tractors and Crashed Aircraft Moving Tractors (FSC Class 1740); Aircraft Towing-Power Servicing Tractors (FSC Class 1730); Warehouse Tractors (FSC Class 3930).

- 2430 Tractors, Full Tracked, High Speed
NOTE: This class includes only complete high speed track laying tractors, and chassis therefor. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on high speed track laying tractors, are classified in classes other than this class.
Excludes Low Speed Tractors (FSC Class 2410); Armored Dozer-Scraper Combination Tractors (FSC Class 2350).

GROUP 25 Vehicular Equipment Components

NOTE: The term "vehicular", as delimited for group 25, is applicable to those vehicles. And tractors included in groups 23 and 24, construction vehicles ***included in group 38, and warehouse trucks, tractors, and trailers included in group 39. It does not apply to railway vehicles (group 22), aircraft (group 15), or watercraft (group 19).*** An item of supply which is a "vehicular" component, within the scope delimited above, is classified in this group, regardless of whether it has additional applications on vehicles outside the delimitations for this group.

- 2510 Vehicular Cab, Body, and Frame Structural Components
Includes Leaf Type Vehicular Springs; Suspension Type Shock Absorbers.
Excludes Vehicular Hardware (**FSG 53**); Specialized Vehicular Furniture (**FSC 2540**).
- 2520 Vehicular Power Transmission Components
Includes Transfer Transmission Assemblies; Clutch Assemblies; Universal Joints; Propeller Shafts; Automotive Torque Converters; Power Takeoffs.

2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components
Includes Turret Brakes; Clutch Brakes, Tank Turret.

2540 Vehicular Furniture and Accessories
Includes Automobile Seat Covers; Shock Absorber, Bumper; Windshield Wipers; Bumper Guards; Mirrors, Rear View and Side View; Vehicle Heaters.
Excludes Speedometers (**FSC 6680**); Suspension Type Shock Absorbers (**FSC 2510**).

2541 Weapons Systems Specific Vehicular Accessories
Includes Accessory Kits and Boxes, Parts Kits, and individual components used in the repair and/or modification of Weapons System type Vehicles such as Tanks, Personnel Carriers, Mobile Howitzers, and the like.
Excludes Items used in the repair and/or modifications of Commercial Type Vehicles (**FSC 2540**), vehicular type light fixtures (**FSC 6220**), and electronic switches, parts kits, and modification kits (**FSG 59**).

2590 Miscellaneous Vehicular Components
Includes Attachments for Tanks, Self-propelled Weapons, and High Speed Tractors; A-frames and Winches specifically designed for truck mounting; Cranes and Crane Booms for Wrecker Trucks.

**GROUP 26
Tires and Tubes**

2610 Tires and Tubes, Pneumatic, Except Aircraft
Excludes Aircraft Pneumatic Tires and Tubes.

2620 Tires and Tubes, Pneumatic, Aircraft

2630 Tires, Solid and Cushion
Includes Rubber Track Laying Treads.

2640 Tire Rebuilding and Tire and Tube Repair Materials
Includes Tread Gum; Cold Patches; Friction Cord Fabric; Vulcanizing Patches; Padding Stock; Quick-Cure Gum; Tire and Tube Repair Kits; Camelback; Valves; Valve Cores.

Excludes Vulcanizing Machinery and Equipment.

**GROUP 28
Engines, Turbines, and Components**

2805 Gasoline Reciprocating Engines, Except Aircraft; and Components
Includes Gas Reciprocating Engines; All Gasoline Reciprocating Engines except Aircraft Prime Moving.
Excludes Engine Accessories (**FSC 2990**).

2810 **Gasoline Reciprocating Engines, Aircraft Prime Mover; and Components**
NOTE: Engines and components classified in this FSC must be designed specifically for use as/on an aircraft prime mover. Auxiliary engines and their components will be classified in the appropriate FSC elsewhere in FSG 28. Includes Complete Engine assemblies; Piston Rings; Cylinders; Pistons; Camshafts; Crankshafts. Excludes Fuel System Components (Carburetors; Carburetor Floats; Fuel Pumps; Fuel Controls; Fuel Valves) (FSC 2915); Electrical System Components (Spark Plug Adapters; Ignition Distributors; Ignition Coils, Electrical Starters) (FSC 2925); Engine Cooling System Components (Engine Oil Coolers; Cooling Radiators) (FSC 2935); Engine Air/Oil Cleaners/Filters/Strainers (FSC 2945); Miscellaneous Engine Accessories (Pneumatic Starters, Cowling Mounts, Control Assemblies) (FSC 2995).

2815 Diesel Engines and Components
Includes Automotive, Industrial, Marine, Locomotive, and all other types of Diesel and Semi-Diesel Engines.
Excludes Engines Accessories (**FSC 2990**).

2820 Steam Engines, Reciprocating; and Components

2825 Steam Turbines and Components
Includes Mercury Vapor Turbines.

2830 Water Turbines and Water Wheels; and Components

2835 Gas Turbines and Jet Engines, Non-Aircraft; and Components

NOTE: Engines and Components classified in this FSC are primarily for use on non-aircraft equipment but can also be used on aircraft ground support equipment.

Includes Airflow Deflectors; Turbine Cases; Turbine Housings; Compressor and Turbine Rotors; Compressor and Turbine Rotor Blades; Combustion Chamber; Accessory Gear Box; Turbine Disks and Hubs; Turbine Vanes.

Excludes **Engine Fuel System Components (FSC 2910); Engine electrical System Components (FSC 2920); Engine Cooling System Components (FSC 2930); Engine Air/Oil Cleaners/Filters/Strainers (FSC 2940); Engine Accessories (Air Duct Heaters, Engine Mounted Control Assemblies) (FSC 2990).**

2840 Gas Turbines and Jet Engines, Aircraft, **Prime Moving; and Components**
NOTE: Engines and Components classified in this FSC are intended for use as/on aircraft and/or guided missile prime movers.
Includes **Compressor and Turbine Rotors; Blades; Combustion Chamber; Accessory Gear Box; Afterburner; Exhaust Cone; Reservoirs, Hydraulic; Tank, Oil.**
Excludes **Oil, Air, Anti-icing, and Hydraulic Regulators, Valves, and Pumps specially designed for Gas Turbines and Jet Engines (FSC 2995); Control Assemblies, Push-Pull (FSC 2995); Engine Mounted Control Assemblies (FSC 2995); Fuel System Components (FSC 2915); Engine Electrical System Components (FSC 2925); Engine Cooling System Components (FSC 2935); Engine Air/Oil Cleaner/Filter/Strainers (FSC 2945).**

2845 Rocket Engines and Components
Includes Rocket Prime Movers, Liquid Type, including Liquid Jet Assisted Takeoff (JATO) Units, for use in aircraft, rockets, and guided missiles; Liquid Propellants encased in consumable containers, intended for insertion into missile propulsion systems as integral parts.
Excludes Rocket Motors (Solid Propellant Units) **(FSC 1337)**; Liquid Propellants predetermined to specific quantity and quality, but packaged in reusable containers;

Solid Propellant Squibs and Cartridges, whether intended for insertion into Liquid Propellant Systems or not **(FSC 1337).**

2850 Gasoline Rotary Engines and Components
 2895 Miscellaneous Engines and Components
Includes Wind and Compressed Air Engines.

**GROUP 29
 Engine Accessories**

NOTE: Unless specifically excluded, engine accessories for all vehicles, such as aircraft, motor vehicles, ships, tractors, and construction vehicles, as well as accessories for stationary engines, are classified in this group.

2910 Engine Fuel System Components, Nonaircraft
Includes Carburetors; Fuel Pumps; Engine Fuel Filters; Fuel Tanks; Components for all engines except Aircraft and Guided Missile Prime Moving.

2915 Engine Fuel System Components, Aircraft **and Missile Prime Movers**
NOTE: Fuel components specially designed for propulsion fuel systems, aircraft and missiles are to be placed in this FSC.
Includes Carburetors; Fuel Pumps; Engine Fuel Filters; Fuel Controls, Jet Engine; Fuel Primers; Water Injection Controls and Valves; Fuel Valves; Fuel Flow Regulators; Components of Smoke Abatement Systems.
Excludes Aircraft Fuel Tanks **(FSC 1560)**; In-flight Refueling System Fuel Components **(FSC 1680)**. **Fuel System Components not specifically designed for use with Aircraft Engines or Missile Prime movers.**

2920 Engine Electrical System Components, Nonaircraft
Includes Generators, Magnetos, Spark Plugs; Ignition Coils; Ignition Distributors; Engine Voltage Regulators; Ignition Harness Assemblies; Starting Motors for Engines.
Excludes Vehicular Lighting Fixtures **(FSC 6220)** and Aircraft Generators **(FSC 2925)**.

2925 Engine Electrical System Components, **Aircraft Prime Moving**
NOTE: Items designed for specific use on aircraft and guided missile prime

movers are to be placed in this FSC.
Includes Magnetos; Igniters (Spark Plugs); Ignition Coils; Ignition Distributors; Engine Voltage Regulators; Ignition Harness Assemblies; Starting Motors for Engines; Engine Accessory Generators.
Excludes Aircraft Lighting Fixtures (**FSC 6220**); and Auxiliary Aircraft Generators (**FSC 6115**).

- 2930 Engine Cooling System Components, Nonaircraft
Includes Cooling Pans; Radiators; Water Pumps; Water Hose Assemblies; Engine Coolant Filters; Components for all Engines except Aircraft and Guided Missile Prime Moving.
- 2935 Engine System Cooling Components, **Aircraft Prime Moving**
NOTE: This class includes only cooling system components for aircraft and/or guided missile prime movers only.
Includes Radiators; Cooling System Pumps; Water Hose Assemblies; Lubricating Oil Coolers and Control Valves; Oil Temperature Regulators.
Excludes **Cooling System Components not specifically designed for use with Aircraft Engines.**
- 2940 Engine Air and Oil Filters, Strainers, and Cleaners, Nonaircraft
Includes Components for all Engines except Aircraft and Guided Missile Prime Moving.
Excludes Air and Oil Filters (**FSC 4310, 4330**), Strainers (**FSC 4730**), and Cleaners (**FSC 4310**) not specifically designed for use with engines.
- 2945 **Engine Air and Oil Filters, Cleaners, Aircraft Prime Moving**
NOTE: Items placed in this FSC should be specifically designed for use on aircraft or guided missile prime movers only.
Includes **Air Filters; Oil Filters; Strainers; Cleaners.**
Excludes **Fuel Filters (FSC 2915); Items designed for other than Engines.**
- 2950 Turbosuperchargers and components
NOTE: All turbosuperchargers and their components not elsewhere classifiable will be classified in this FSC.
Includes Turbosupercharged Regulators;

Ground and Aircraft Engine Turbosuperchargers.
Excludes Engine Integrated Superchargers (FSG 28).

- 2990 Miscellaneous Engine Accessories, Nonaircraft
Includes Engine Dynafocal Suspension Mounts; Engine Driven Superchargers (not integrated with engine); Starter Cranks; Engine Starter Ropes; Exhaust Mufflers; Hand Inertia Starters; Air Duct Heaters; Engine Governors; Intake Mufflers; Combustion Type Starters; Miscellaneous Accessories for all Engines except Aircraft and Guided Missile Prime Moving.
Excludes Electrical Starters Non-Aircraft (**FSC 2920**); **Aircraft (FSC 2925).**
- 2995 Miscellaneous Engine Accessories, Aircraft
NOTE: Items classified in this class must be specifically designed for use with aircraft or guided missile prime-movers only.
Includes Engine Dynafocal Suspension Mounts; Engine Cowling Mounts; Engine Mounted Control Assemblies; Pneumatic Starters; Push-Pull Control Assemblies; Specially designed Jet Engine Air, Oil, Anticipating and Hydraulic Regulators; Valves and Pumps; Starting Units.
Excludes Exhaust System; (**FSC 1560**); Jet Engine Hydraulic Reservoirs (**FSC 2840**); Jet Engine Oil Tanks (**FSC 2840**); Electrical Starters (**FSC 2925**); Cockpit Mounted Control Quadrants (**FSC 1680**); Aircraft Engine Covers (**FSC 1730**).

GROUP 30
Mechanical Power Transmission Equipment

- 3010 Torque Converters and Speed Changers
Includes Fluid Couplings; Nonvehicular Clutches and Couplings; Horizontal Right Angle Drive Gear Units.
Excludes Automotive Torque Converters (**FSC 2520**); Vehicular Power Transmission Components (**FSC 2520**); Rotary Aircraft Transmission Gear Units (**FSC 1615**).
- 3020 Gears, Pulleys, Sprockets, and Transmission Chain
Includes Power Transmission Chain; Matched Gear Sets.
Excludes Reduction Gears (**FSC 3010**).

3030 Belting, Drive Belts, Fan Belts, and Accessories
Includes Belt Lacings; Belt Pins.

3040 Miscellaneous Power Transmission Equipment
Includes Shafts and Shafting; Collars; Gearshafts; Ball Joints; Actuating Cylinders.

**GROUP 31
Bearings**

NOTE: All bearings, including specially designed, lubricated, and/or selected, are to be classified in the appropriate classes of this group. Bearings are parts that support another part which rotates, slides, or oscillates in or on it.

3110 Bearings, Antifriction, Unmounted
NOTE: This class includes bearings that generally have roller or balls confined by an inner and outer ring to relieve friction in/on/around rotating/moving mechanisms.
Includes Ball Bearings; Roller Bearings: Balls; Races.
Excludes Plain Bearings (FSC 3120); Jewel Bearings (FSC 3120).

3120 Bearings, Plain, Unmounted
NOTE: Bearings in this class are generally one piece that retain and position moving and/or rotating parts. They may have lubrication grooves/fitting/facilities or include pre-lubrication.
Includes Sleeve Bearings; Split Bearings; Washer Type Bearings; Jewel Bearings.
Excludes Antifriction Bearings (FSC 3110); Mounted Bearings (FSC 3130).

3130 Bearings, Mounted
NOTE: Bearings in this class may be plain bearings or anti-friction bearings that are housed and/or mounted in a supporting device for mounting purposes.
Includes Pillow Block Units; Cartridge Units; Flange Units; Takeup Units; Hanger Box Units; Flat Box Units; Step Box Units.

Excludes Antifriction Bearings (FSC 3110); Plain Unmounted Bearings (FSC 3120).

**GROUP 32
Woodworking Machinery and Equipment**

3210 Sawmill and Planing Mill Machinery

3220 Woodworking Machines
Includes Mortisers; Tenoners; Veneer Lathes.
Excludes Hand Held Power Driven Tools; Hand Held Tools Operated by Flexible Shaft.

3230 Tools and Attachments for Woodworking Machinery
Includes Circular and Band Saw Blades; Cutter Heads; Jointer and Notcher Heads; Cutters.
Excludes Hand Turning Tools.

GROUP 34
Metalworking Machinery

3405	Saws and Filing Machines <i>Includes</i> Cut off Machines; Saw Blade Dressing Machines; Retooling Machines.	3415	Grinding Machines <i>Excludes</i> Electrolytic Grinding Machines.
3408	Machining Centers and Way-Type Machines NOTE: The following definitions apply to "Machining Centers" and "Way-type Machines". a. "Machining Center", refers to a multipurpose numerically controlled machine tool for the complete and automatic machining of parts requiring multiple operations such as milling, drilling, tapping, boring, and reaming, having an integral tool storage device and an integral means for positioning various faces of the work piece. It must have facilities for automatic interchanging of varied cutting tools between successive operations. Excluded from this class are multipurpose numerically controlled machine tools, such as Boring-Drilling-Milling Machines, which require the use of an attachment or accessory for tool storage and/or to position the various faces of a work piece. These types of equipment are classified in other appropriate classes within group 34. b. "Way-Type Machine", refers to a special machine tool of station type design consisting of individually mounted self-contained machining units and facilities for indexing the work piece to each station in a predetermined sequence. The machining unit(s) may be disassembled and rearranged to accommodate different work piece configurations. Machine is capable of performing single or multiple operations on the work piece simultaneously or in sequence to each station.	3416	Lathes <i>Includes</i> Screw Machines. <i>Excludes</i> Speed Lathes; Metal Spinning Lathes; Cartridge Case and Shell Lathes.
3410	Electrical and Ultrasonic Erosion Machines <i>Includes</i> Electrical Discharge Machines; Electrolytic Grinding Machines.	3417	Milling Machines
3411	Boring Machines.	3418	Planers and Shapers <i>Includes</i> Combination Shaper-Planers. <i>Excludes</i> Gear Shapers; Planer Type Milling Machines.
3412	Broaching Machines	3419	Miscellaneous Machine Tools <i>Includes</i> Gun Rifling Machines Speed Lathes.
3413	Drilling and Tapping Machines <i>Includes</i> Multiple Spindle Drilling-Tapping Machines. <i>Excludes</i> Way-Type Machines.	3422	Rolling Mills and Drawing Machines
3414	Gear Cutting and Finishing Machines	3424	Metal Heat Treating and Non-Thermal Treating Equipment <i>Includes</i> Hardening, Annealing, Tempering, Normalizing, Cyaniding, and Carburizing Equipment; Furnaces, Flue Welding, Non- Thermal Stress Relieving Systems.
		3426	Metal Finishing Equipment <i>Includes</i> Galvanizing, Tinning, Oiling, Pickling; Electroplating, and Anodizing Equipment.
		3431	Electric Arc Welding Equipment <i>Includes</i> Gas Shielded Arc Welding Machines; Arc Bonding Machines; Semi-Automatic and Automatic Arc Welding Machines. <i>Excludes</i> Welding Supplies, and Associated Equipment such as: Flux Recovery Machines; Flux Dispensers; Tacker Panels; Welding Panels.
		3432	Electric Resistance Welding Equipment <i>Includes</i> Electric Resistance Brazing Machines; Band Saw Brazers; Stored Energy Resistance Welding Machines. <i>Excludes</i> Electric Induction Brazing and Soldering Machines.
		3433	Gas Welding, Heat Cutting, and Metalizing Equipment <i>Includes</i> Metal Spray Guns; Arc Cutting

	Machines; Torches and Tips; Gas Brazing Machines; Flame Cutting Machines; Vacuum Metalizers; Spark Discharge Metalizers. <i>Excludes</i> Welding Supplies; Disintegrating Machines.		mounted on portable devices such as wheel or leg type stands.
3436	Welding Positioners and Manipulators <i>Includes</i> Welding Tables.	3455	Cutting Tools for Machine Tools <i>Includes</i> Broaches; Files; Milling Cutters; Reamers; Saws. <i>Excludes</i> Flame Cutting Tools.
3438	Miscellaneous Welding Equipment <i>Includes</i> Thermit Welding Equipment; Flux Recovery Machines; Flux Dispensers; Arc Converters; Welding Panels.	3456	Cutting and Forming Tools for Secondary Metalworking Machinery
3439	Miscellaneous Welding, Soldering, and Brazing Supplies and Accessories <i>Includes</i> Soldering Irons; Welding Electrodes and Rods; Brazing Fluxes; Soldering Fluxes; Solder.	3460	Machine Tool Accessories <i>Excludes</i> Abrasive Wheels, Cones, and other Abrasive Attachments for use only on Hand Held Power Tools.
3441	Bending and Forming Machines <i>Excludes</i> Wire and Metal Ribbon Forming Machines.	3461	Accessories for Secondary Metalworking Machinery <i>Excludes</i> Parts Feeders.
3442	Hydraulic and Pneumatic Presses, Power Driven <i>Includes</i> Metal Powder Compacting Presses.	3465	Production Jigs, Fixtures, and Templates NOTE: This class includes jigs, fixtures, and templates used in conjunction with the metalworking machinery classified in group 34. Jigs, fixtures, and templates used in conjunction with maintenance and repair shop specialized equipment are classified in group 49.
3443	Mechanical Presses, Power Driven <i>Includes</i> Metal Powder Compacting Presses.	3470	Machine Shop Sets, Kits, and Outfits
3444	Manual Presses <i>Includes</i> Arbor, Straightening, Forcing, and Assembly Presses.		
3445	Punching and Shearing Machines		
3446	Forging Machinery and Hammers <i>Excludes</i> Forging Presses.		
3447	Wire and Metal Ribbon Forming Machines <i>Excludes</i> Roll Forming Machines.		
3448	Riveting Machines <i>Excludes</i> Power Driven Hand Riveting Machines.		
3449	Miscellaneous Secondary Metal Forming and Cutting Machines <i>Includes</i> Metal Spinning Lathes.		
3450	Machine Tools, Portable <i>Includes</i> Portable Abrasive Cutting Machines; Portable Drilling Machines, Portable Slotters and Shapers. <i>Excludes</i> Stationary Type Machine Tools		
			GROUP 35 Service and Trade Equipment
		3510	Laundry and Dry Cleaning Equipment <i>Includes</i> Washing Machines; Extractors; Wringers; Drying Tumblers; Ironers; Presses; Starching Machines; Marking Equipment; Mobile Laundry and Dry Cleaning Units.
		3520	Shoe Repairing Equipment <i>Includes</i> Shoe Sewing Machines; Mobile Shoe Repair Shops.
		3530	Industrial Sewing Machines and Mobile Textile Repair Shops <i>Excludes</i> Shoe Sewing Machines.
		3540	Wrapping and Packaging Machinery <i>Includes</i> Filling Machines; Container Capping Machines; Label Applying Machines; Package Sealing Machines; Paperboard Box, Case and Tray Making Machines; Strapping Machines; Stapling Machines,

	except Office Type. <i>Excludes</i> Paperboard Manufacturing Machinery.		Extruding Machinery; Vulcanizing Machinery. <i>Excludes</i> Protective Covering Laminating Presses; Tire Maintenance and Repair Equipment.
3550	Vending and Coin Operated Machines <i>Includes</i> Fare Recording Devices; Parking Meters; Turnstiles; Coin Operated Phonographs. <i>Excludes</i> Coin and Currency Handling Machines; Coin Operated Scales.	3625	Textile Industries Machinery <i>Includes</i> Cotton Ginning Machinery; Looms; Button Covering Machines; Rope Laying Machines; Lace Machines.
3590	Miscellaneous Service and Trade Equipment <i>Includes</i> Manicure Tables	3630	Clay and Concrete Products Industries Machinery <i>Includes</i> Brickmaking Machinery.
GROUP 36 Special Industry Machinery		3635	Crystal and Glass Industries Machinery <i>Includes</i> Optical Goods Manufacturing Machinery. <i>Excludes</i> Ophthalmic Lens Cutting, Drilling, Edging, and Grinding Machines; Specialized Semiconductor, Microcircuit, and Printed Circuit Board Manufacturing Machinery.
3605	Food Products Machinery and Equipment <i>Includes</i> Industrial Food Product Equipment. <i>Excludes</i> Kitchen and Galley Equipment.	3640	Tobacco Manufacturing Machinery
3610	Printing, Duplicating, and Bookbinding Equipment <i>Includes</i> Offset Presses; Typesetting Machinery; Bookbinding Machinery; Photoengraving Machinery; Printing Type; Rules; Leads, Slugs; Line Gages; Quoins; Plate Hooks; Gelatine Process Machines; Spirit Process Machines; Stencil Process Machines; Offset Process Machines; Photostat Machines; Blueprint Printing and Developing Machines; Print Shop Furniture. <i>Excludes</i> Microfilm Machines.	3645	Leather Tanning and Leather Working Industries Machinery
3611	Industrial Marking Machines NOTE: Marking machines which make permanent indentations in metal are classified in group 34. <i>Excludes</i> Marking Machines, Laundry; Printing Machine, Labor, Printing Press, Label; Embossing Machines, Office Type; and Marking Machines, Office Type.	3650	Chemical and Pharmaceutical Products Manufacturing Machinery <i>Includes</i> Crushers and Mills for Chemical Materials; Pharmaceutical Briquetting and Tableting Presses; Chemical Explosives Manufacturing Machinery. <i>Excludes</i> Construction Materials Crushers, Mills and Pulverizers; Plastics Products Manufacturing Machinery; Pharmaceutical Products Wrapping and Packaging Machinery; Laboratory and Shop Type Mills and Mixers.
3615	Pulp and Paper Industries Machinery <i>Includes</i> Chippers; Digestors; Beaters; Bleaching Equipment; Paperboard Manufacturing Machinery. <i>Excludes</i> Paperboard Box, Case and Tray Making Machines.	3655	Gas Generating and Dispensing Systems, Fixed or Mobile NOTE: Included in this class are gaseous dispensing systems, both mobile and installed. <i>Includes</i> Liquefied gaseous storage tanks, mounted on a common base with, or integral to, gas generating equipment included in this class. Also includes those liquefied gaseous storage tanks, either trailer mounted or skid mounted, used to store liquefied gaseous products until needed. Excluded from this class are those storage tanks designed to be used as
3620	Rubber and Plastics Working Machinery <i>Includes</i> Plasticators; Presses; Synthetic Rubber Working Machinery; Tread		

	an integral part of guided missile propellant servicing trailers, rocket power plants or test stations, and aircraft oxygen converters which are classified as specified by the indexes and structure of the FSC. <i>Excludes</i> Meteorological Equipment.		Machinery and Related Equipment <i>Includes</i> Ammunition and Explosives Loading (Filling and Assembling) Specialized Machinery; Small Arms Ammunition Manufacturing Machinery; Artillery and Anti-Aircraft Shell Manufacturing Machinery. <i>Excludes</i> Ammunition and Weapons Maintenance and Repair Shop Specialized Equipment; Nonspecialized or Standard Machinery not designed exclusively for manufacturing or assembling ammunition and ordnance equipments.
3660	Industrial Size Reduction Machinery NOTE: This class includes general use machinery related to two or more manufacturing industries. <i>Excludes</i> Chemical Products and Construction and Mining Type Crushing, Pulverizing, Screening and Mixing Machinery; Maintenance and Repair Shop Type Mixers.	3693	Industrial Assembly Machines NOTE: This class includes equipment specifically designed to assemble pre-fabricated components without further design machining of the components. Equipment designed to perform combined machining and assembling operations which result in material removal are classified in classes other than this class. Also excluded are items for which more specific classifications are suitable <i>Includes</i> Industrial Production Type Power Screwdriving Machines; Circuit Card Assembly Machines. <i>Excludes</i> Specialized Ammunition and Ordnance Assembly Machines; Wrapping and Packaging Machinery; Metalworking Machinery; Hand Tools.
3670	Specialized Semiconductor, Microcircuit, and Printed Circuit Board Manufacturing Machinery NOTE: This class includes, and is restricted to, equipment specifically designed for manufacturing semiconductor devices (FSC 5961), microcircuits (FSC 5962), and printed circuit boards (FSC 5998). Excludes items for which more suitable classes are specifically prescribed by the indexes and structure of the FSC. <i>Includes</i> Substrate Preparation Equipment; Circuit Pattern Forming Equipment; Interconnecting and Packaging Equipment. <i>Excludes</i> Assembly Machines for Mounting Discrete Components on Printed Wiring Boards.	3694	Clean Work Stations, Controlled Environment, and Related Equipment <i>Includes</i> Laminar and Nonlaminar Flow Enclosures; Dust Controlled Facilities; Air Showers.
3680	Foundry Machinery, Related Equipment and Supplies. <i>Includes</i> Molding Machines; Tumbling Mills, Foundry Dextrine; Core Paste. <i>Excludes</i> Crucible Furnaces; Cupola Furnaces; Foundry Hand Tools.	3695	Miscellaneous Special Industry Machinery <i>Includes</i> Communication Wire Dispenser Fabricating Machinery; Specialized Logging Equipment; Petroleum Refinery Machinery; Shoemaking Machinery; Production Type Impregnating Equipment. <i>Excludes</i> Ophthalmic Lens Cutting and Grinding Machinery; Clothing Impregnating Equipment.
3685	Specialized Metal Container Manufacturing Machinery and Related Equipment NOTE: This class includes only those machines specifically designed for manufacturing metal containers. Closing machines designed to seam the tops of filled containers will be classified in class 3540. <i>Includes</i> Drum and Jerrican Manufacturing Machinery; Specially Designed Container Leak Testing Machines; Can Making Machinery.		
3690	Specialized Ammunition and Ordnance		
			GROUP 37 Agricultural Machinery and Equipment
		3710	Soil Preparation Equipment <i>Includes</i> Harrows; Plows; Seed Drills; Seeder Attachments; Sprayers.

- 3720 Harvesting Equipment
Includes Hayrakers; Mowers.
Excludes Mower Attachments (FSC 3750); Sickle Bar Attachments (FSC 3750).
- 3730 Dairy, Poultry, and Livestock Equipment
- 3740 Pest, Disease, and Frost Control Equipment
Includes Atomizers; Delousing Outfits; Dusters; Fly swatters; Flypaper; Fog Generators; Sprayers; Traps.
Excludes Self Pressurized Spray Kits (FSC 4940).
- 3750 Gardening Implements and Tools
Includes Garden Tractors, Walking Type; Lawn Mowers, Powered and Nonpowered; Hedge Trimmers; Lawn Seeders; Fertilizer Spreaders; Gardening Rakes, Forks, Hoes, and Other Garden Tools.
- 3770 Saddlery, Harness, Whips, and Related Animal Furnishings.
Includes Dog Harnesses; Leads.

GROUP 38

Construction, Mining, Excavating, and Highway Maintenance Equipment

- 3805 Earth Moving and Excavating Equipment
Includes Scrapers; Ditchers; Loaders; Graders; Special Construction Type Earth and Rock Hauling Trucks and Trailers, Special Individual Work and Power Sections of Construction Equipment with a quick connect/disconnect capability. The Power Section is designed to be coupled with a Work Section to form a functional piece of Construction Equipment.
Excludes Standard Tractors (FSG 24); Trailers (FSC 2330); Trucks (FSC 2320).
- 3810 Cranes and Crane-Shovels
Includes Cranes; Crane-Semitractors; Crane Shovels; Crane-Tractors.
Excludes Barge Mounted Cranes (FSC 1935); Locomotive Cranes (FSC 2230).
- 3815 Crane and Crane-Shovel Attachments
Includes Backhoes; Buckets; Dippers; Fairleads; Gantries; Grapples; Lifting Magnets; Shovels; Wrecking Balls.
- 3820 Mining, Rock Drilling, Earth Boring, and

Related Equipment
Includes Augers; Crushers; Crushing, Screening, and Washing Plants and Units; Drilling Machines; Paving Breakers; Rock Drills.
Excludes Tampers (FSC 3895).

- 3825 Road Clearing, Cleaning, and Marking Equipment
Includes Pavement Scrubbing Machines; Snow Removal Units; Sweepers; Road Marking Machines; Vacuum Cleaners; Water Distributors; Weed Burners.
Excludes Standard Tractors with Road Clearing or Cleaning Attachments (FSC 2410, 2420, 2430); Timber Sawing Equipment (FSC 5130, 5110).
- 3830 Truck and Tractor Attachments
Includes Angledozer; Augers; Backhoes; Bullclams; Bulldozer-Shovels; Cranes; Grubbers; Loaders; Rakes; Rippers; Rollers; Scarifiers; Snow Removal Units; Snowplowes; Sweepers; Treedozer.
- 3835 Petroleum Production and Distribution Equipment
Includes Well Heads; Pumping Equipment; Gas Distribution Equipment.

- 3895 Miscellaneous Construction Equipment
Includes Asphalt Elevators; Asphalt Heaters; Asphalt Kettles; Asphalt Transfer Equipment; Batching Plants; Stabilizing and Compacting Equipment; Concrete Mixers (All Types); Concrete Vibrators; Bituminous and Concrete Pavers; Asphalt Distributors; Sheepsfoot Rollers; Rooters; Rippers; Pile Drivers; Bitumen Heaters; Cable Laying, Lashing, Spinning, and Reeling Equipment.
Excludes Earth Moving and Excavating Equipment (FSC 3805 & 3810); Pile Driving Attachments for Cranes and Crane-Shovels (FSC 3815); Special Individual Work and Power Sections of Construction Equipment with a quick connect/disconnect capability (FSC 3805)

GROUP 39

Materials Handling Equipment

- 3910 Conveyors
Includes Pneumatic Tube Systems; Portable,

	Stationary, Powered, and Nonpowered Conveyors; Conveyor Feeders.	3960	Freight Elevators
3915	Materials Feeders NOTE: Materials handling equipment included in this class is restricted to those materials feeders and parts feeders that serve as a conveying device, and by which the rate of delivery of bulk materials, packages, or objects may be controlled. Items included in this class are synchronized with companion machinery, feeding predetermined amounts, by volume, of specific materials accurately and continuously from storage bins or hoppers to process or mixing machines, and are interchangeable between machines. Excluded from this class are conveyor feeders (i.e., apron, belt, chain, flight, pan, etc., adapted for feeder service) that are classifiable in Class 3910 and/or Class 3895, as appropriate. <i>Includes</i> Dry Materials Feeders; Parts Feeders. <i>Excludes</i> Aggregate and Fines Feeders; Conveyor Feeders; Water Purification Dry Chemical Feeders.	3990	Miscellaneous Materials Handling Equipment. <i>Includes</i> Skids; Pallets <i>Excludes</i> Airfield Engine Transport Skids.
			GROUP 40 Rope, Cable, Chain, and Fittings
		4010	Chain and Wire Rope NOTE: Chain and wire rope, with attachments or terminations will be classified in this class when they are for general use. a. Chain is a series of flexible links and/or rings fitted into one another used for supporting, lifting, restraining, dragging, or transmitting power. b. Wire rope is formed from strands of twisted wire. Includes Bead Chain; Weldless Chain; Single Leg Chain Assemblies; Wire Rope; Wire Cord; Single Leg Wire Assemblies. Excludes Power Transmission Chain (FSC 3020); Slings.
3920	Materials Handling Equipment, Nonself-Propelled <i>Includes</i> Dolly Trucks; Pushcarts; Handcarts; Wheelbarrows; Hand Trucks; Materials Handling Trailers. <i>Excludes</i> Conveyors.	4020	Fiber Rope, Cordage, and Twine NOTE: Fiber rope is classified in this class when it is bulk material or for general use. Items with attachments and/or terminations are identified in this class unless a more specific item name is used. a. Fiber rope is flexible twisted strands of manila, nylon or other fiber. b. Cordage is ropes or cords used in rigging (see item name definitions for parameters). c. Twine is two or more strands twisted together. Includes Fibrous Cord Assemblies; Fibrous Cord; Fibrous Rope; Fibrous Twine. Excludes Wire Rope (FSC 4010); Slings (FSC 3940).
3930	Warehouse Truck and Tractors, Self-Propelled <i>Includes</i> Tug Jockeys; Fork Lift Trucks; Platform Truck; Straddle Trucks.		
3940	Blocks, Tackle, Rigging, and Slings <i>Excludes</i> Load Chain; Chain and Metal Rope Fittings; Wire Rope; Hoists; Ship Rigging.		
3950	Winches, Hoists, Cranes, and Derricks <i>Includes</i> Windlasses; Capstans; Ore Bridges; Gypsies; Warehouse Cranes; Wharf Cranes, Mobile or Fixed; Overhead Traveling Cranes. <i>Excludes</i> Crane-Shovels (FSC 3810); Barge Mounted Cranes (FSC 1935); Winches for Integral Mounting on Trucks or Tractors (FSC 3830); Locomotive Cranes (FSC 2230).	4030	Fittings for Rope, Cable, and Chain NOTE: All items, including specially designed, will be classified in this FSC. Fittings classified in this FSC are items used in conjunction with chain, rope, and are attached to perform certain functions, (e.g., hooks, shackles, and wedges) refer to item name definitions for parameters. Includes Anchor Guys; Wire Stranded

Bands; Wire Rope Clamps; Cargo Hooks; Shackles; Swivels; Rope Terminals; Rope Wedges.
Excludes Clamp Blocks (FSC 5340); Support Hooks (FSC 5340).

GROUP 41

Refrigeration, Air Conditioning, and Air Circulating Equipment

4110 Refrigeration Equipment
 NOTE: This class includes only complete refrigeration equipment, whether refrigerated from an integral or remote mechanical refrigeration unit or system. Also included in this class are refrigeration plants, and complete "packaged" refrigeration units and systems containing a power driven compressor, condenser, evaporator, and all other necessary components to refrigerate an enclosed space. Nonoperating accessories such as ice trays, shelves, and panels are included in this class. Excluded from this class are operating components, assemblies, parts, attachments, or accessories, for use in or on complete refrigeration equipment, plants, systems, or the "packaged" refrigeration units, and which are to be classified in class 4130, or as *otherwise* specifically prescribed by the indexes and structure of the FSC.
Includes Grocery Type Display Cases; Ice Cream Cabinets; Drinking Fountains (except portable and stationary types classified in class 4510); Professional and Scientific Refrigerators; Rivet Coolers; Photographic Refrigerators; Mortuary Refrigerators; Household and Commercial Refrigerators; Grocery Type Showcases; and other types of refrigeration equipment of the commissary or food store type.
Excludes Cafeteria Type Refrigerated Display Cases; Soda Fountains; Milk, Soda, and/or Ice Cream Dispensers; Cold Food Counters; Carbonators; Combination Heated-Refrigerated Food Serving Equipment; Cafeteria Type Showcases; Chilling Equipment used for display and serving of food (see class 7310 for these items). Also excluded from this class are refrigeration components (see class 4130).

4120 Air Conditioning Equipment
 NOTE: This class includes only complete

air conditioning equipment, systems, and plants. Also included are specially designed nonoperating accessories such as a window panel used with a window type air conditioning unit to facilitate mounting. Excluded from this class are operating components, assemblies, parts, attachments, or accessories for use in or on air conditioning equipment, which are to be classified in FSC 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC.

Includes Store Type Units; Window and Room Type Units; Marine, and Vehicular Air Conditioning Units; Air Conditioning Plants and Systems.
Excludes Air Conditioning Components (FSC 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC).

4130 Refrigeration and Air Conditioning Components
Includes Heat Exchanger Equipment; Refrigerant Strainers; Refrigeration Compressors; Air Conditioning and Refrigeration Servicing Equipment, such as Charging and Testing Manifolds, Lines and Units; Operating Components of Refrigeration and Air Conditioning Equipment, Plants, and Systems classified in classes 4110 and 4120.
Excludes Refrigeration and Air Conditioning Plants (see classes 4110 and 4120): Collections of Refrigeration Components "packaged" as a unit including a refrigeration compressor, condenser, evaporator, etc., specifically designed and tailored for applications such as walk-in type refrigerators. Individual components of the "packaged" unit will be classified in class 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC. The complete "package" unit will be classified in class 4110.

4140 Fans, Air Circulators, and Blower Equipment
 NOTE: Fans and impellers which are specifically designed for use with specific individual types of equipment are to be classified in the same classes as their next higher assemblies or in the appropriate components or accessories classes (as in group 25 or 29 or class 1680) as prescribed by the indexes and structure of the FSC.
Includes Wall Type Fans; Pedestal Type Fans; Household Type and Attic Type

Exhaust Fans; Floor Fans; Forced Draft Exhaust and Disposal Kits; Fans; Air Circulators, and Blower Equipment, whether designated as "industrial" or "nonindustrial" by application and/or use.
Excludes Combination Heater-Fans (see FSC 4520).

- 4150 Vortex Tubes and Other Related Cooling Tubes
Includes Tool Grinding spot coolers; machining spot coolers; electronic equipment spot coolers; and electronic cabinet spot coolers.
Excludes Refrigeration and Air Conditioning Plants (Classes 4110 and 4120); Air Conditioning Components and Cooler Unit, Air (Class 4130); Cooler, Air, Evaporative (Class 4120) and Pipe and Tube (Group 47).

GROUP 42

Fire Fighting, Rescue, and Safety Equipment; and Environmental Protection Equipment and Materials

- 4210 Fire Fighting Equipment
Includes Fire Extinguishers; Fire Axes; Fire Rakes; Fire Beaters; Fire Trucks; Fire Hose; Play Pipes; Hose Fittings having one or more Fire Hose End Connections; Fire Hose Reels; Fire Fighting Trailers; Fire Hydrants; Sprinkler Heads.
Excludes Wrecking Bars (**FSC 5120, 1385**).
- 4220 Marine Lifesaving and Diving Equipment
Includes Diving and Salvage Apparatus, including Pressurized Divers Suits; Rescue Nets, Buoyant; Inflatable Life Vests; Life Rafts.
Excludes Lifesaving Boats (**FSC 1940**).
- 4230 Decontaminating and Impregnating Equipment
NOTE: Excludes production type equipment designed for impregnation of metal castings and electronic components, processing of leather and textiles, and for similar industrial processing operations.
- 4235 Hazardous Material Spill Containment and Clean-up Equipment and Material
Includes Secondary Spill Containment Sumps; Liquid Spill Containment Pallets; Spill Containment Basins; Spill Containment Systems; Absorbent, Sorbent and Blotting Materials.

- 4240 Safety and Rescue Equipment
Includes Portable Fire Escapes; Safety Nets, Nonbuoyant.
Excludes Divers' Suits; Fixed Fire Escapes
- 4250 Recycling and Reclamation Equipment
Includes Material and Machinery designed to remove, neutralize and/or prepare for possible reuse of substances otherwise considered to be unreclaimable.

GROUP 43

Pumps and Compressors

NOTE: This group excludes pumps and compressors designed for use on individual types of equipment, such as engine fuel pumps, aircraft propeller feathering pumps, fork lift operating pumps, compressors for operating gun turrets, and vehicular brake system compressors. Also excluded are items specially designed as or for use on fuel dispensing equipment. The FSC indexes and structure will govern the classification of these items permitted classification in a single class only.

- 4310 Compressors and Vacuum Pumps
Includes Truck Mounted and Trailer Mounted Compressors.
Excludes Refrigeration Compressors (**FSC 4130**).
- 4320 Power and Hand Pumps
Excludes Laboratory Jet Pumps (**FSG 65 and 66**).
- 4330 Centrifugals, Separators, and Pressure and Vacuum Filters
Excludes Laboratory Centrifuges (**FSG 65 and 66**); Water Purification Filters (**FSC 4610**).

GROUP 44

Furnace, Steam Plant, and Drying Equipment; and Nuclear Reactors

- 4410 Industrial Boilers
Includes Steam Boilers, over 15 pounds WSP; Marine Boilers; Boiler Drums; Water Heaters, Low Pressure (over 100 gallon recovery capacity).
- 4420 Heat Exchangers and Steam Condensers

4430	Industrial Furnaces, Kilns, Lehrs, and Ovens <i>Includes</i> Crucible Furnaces; Cupola Furnaces. Excludes Food Industry Ovens (FSC 7310); Metal Heat Treating Furnaces (FSC 3424); Laboratory Type Furnaces (FSC 6640).		Heaters; Water Heaters, through 100 gallon recovery capacity (for heaters over 100 gallons recovery capacity, see FSC 4410). Excludes Vehicle Heaters (FSC 2540); Aircraft Heaters (FSC 1660).
4440	Driers, Dehydrators, and Anhydrators <i>Includes</i> Evaporators.	4530	Fuel Burning Equipment Units <i>Includes</i> Oil Burners; Stokers; Gas Burners.
4460	Air Purification Equipment <i>Includes</i> Electronic Precipitators; Dust Collection Equipment. <i>Excludes</i> Fan and Blower Equipment (FSC 4140); Air Conditioning Equipment (FSC 4120).	4540	Waste Disposal Equipment <i>Includes</i> Compactors; Destructors; Garbage Disposals; Incinerators; Septic Tanks.
4470	Nuclear Reactors NOTE: This class includes all types of nuclear reactors and those items which are specifically designed for use within nuclear reactors, their primary cooling systems, auxiliary fluid systems, special propulsion plant systems, handling and servicing equipment, electrical and control systems, and associated special test and water chemistry control items. Excluded from this class are those items for which more specific classifications are suitable. <i>Includes</i> Refueling Machines; Ion Chamber Seals; Thermal Barriers; Control Rods; Steam Generators, Pressurized Water; Reactor Vessel Shells; Handling Carts, Hoisting Units, New and Spent Cartridges.		

GROUP 45

Plumbing, Heating, and Waste Disposal Equipment

4510	Plumbing Fixtures and Accessories Includes Bathtubs; Commodes; Lavatories; Shower Cabinets; Sinks; Water Closets; Accessories and Component Parts, such as Dispensers, Faucets, Holders, Racks, Shower Heads, Flush Valves and Stop Valves. <i>Excludes</i> Fittings and Specialties for Hose, Pipe and Tube (FSC 4730).
4520	Space and Water Heating Equipment Includes Boilers, 15 pounds WSP and under (for boilers over 15 pounds WSP, see FSC 4410); Domestic Water Storage Tanks through 100 gallon capacity; Fireplace Heaters; Furnaces; Space Heaters; Heating Radiators; Immersion

GROUP 46
Water Purification and Sewage Treatment Equipment

- 4610 Water Purification Equipment
Includes Demineralizers; Filtration Equipment; Ice and Snow Melters. Excludes Water Purification Compounds (FSC 6810 and 7930); Water Softening Compounds (FSC 6810 and 7930).
- 4620 Water Distillation Equipment, Marine and Industrial.
Excludes Laboratory Distillation Apparatus (FSC 6640).
- 4630 Sewage Treatment Equipment

GROUP 47
Pipe, Tubing, Hose, and Fittings

- 4710 *Pipe, Tube and Rigid Tubing Includes Culvert Pipes; Culvert Pipe Connector Bands; Metallic Pipes; Plastic Pipes; Tubes and Rigid Tubing and their assemblies. Excludes Air Conditioning-Heating Pipes (FSC 4520); Asbestos and Cement, Bituminized Fiber, Clay and Concrete Pipes (FSC 5630); Conduit Pipes and their assemblies (FSC 5975); Downspout Pipes (FSC 5670); Exhaust Pipes (FSC 1560, 2990, and 4520); Fire Extinguishing Systems Pipes and Tubes and their assemblies (FSC 4210); Flexible Tubing (FSC 4720; Glass Tubing (FSC 6640, and 9340); Laboratory Tubes (FSC 6640); Medical and Surgical Tubes (FSC 6515).*
- 4720 *Hose and Flexible Tubing Includes Air Duct, Metallic, Nonmetallic, and Textile Fiber Hoses and their assemblies; Flexible Tubing and their assemblies. Excludes Conduit and their assemblies (FSC 5975); Laboratory Tubes (FSC 6640); Medical and Surgical Tubes (FSC 6515); Rigid Tubing and their assemblies (FSC 4710).*
- 4730 *Hose, Pipe, Tube, Lubrication, and Railing Fittings Includes Adapters; Bends; Caps; Clamps;*

Connectors; Couplings; Crosses; Elbows; Expansion Joints; Ferrules; Flanges; Laterals; Lubrication Fittings; Manifolds; Nipples; Nozzles; Outlets; Plugs; Reducers; Swing and Swivel Joints; Tees; Traps; Unions; Wyes. Excludes Air Conditioning-Heating Fittings (FSC 4520); Bituminized Fiber and Concrete Fittings (FSC 5630); Conduit Boxes and Fittings (FSC 5975); Downspout Fittings (FSC 5670); Medical and Surgical Fittings (FSC 6515); Laboratory Fittings (FSC 6640); Post Caps and Rail Ends (FSC 5660); Machine Thread Bushings and Plugs (FSC 5365).

GROUP 48
Valves

NOTE: This group excludes valves designed for use on individual types of equipment or systems. Excluded are such items as tire valves, engine intake and exhaust valves, carburetor valves, water mixing valves, and flush valves.

- 4810 Valves, Powered
Includes Electric Motor Operated Valves; Hydraulic Operated Valves; Solenoid Operated Valves. Excludes Engine Intake and Exhaust valves;(FSC 2990, 2815); Valves specifically designed for use with fire fighting equipment,(FSC 4210); plumbing equipment, and the like (FSC 4540).
- 4820 Valves, Nonpowered
Includes Automatic Nonpowered Valves; Gate, Globe, Angle, Check, and Relief Valves; Cocks. Excludes Fire Hydrants (FSC 4210) Sprinkler Heads (FSC 4210); Valves specifically designed for use with fire fighting equipment (FSC 4210); plumbing equipment and the like (FSC 4540)

GROUP 49
Maintenance and Repair Shop Equipment

NOTE: Specialized equipment which is designed for automotive maintenance and repair and which is also used for the maintenance and repair of nonautomotive vehicles or equipment, will be classified in class 4910. Jigs, fixtures, and templates used in conjunction with maintenance and repair shop specialized equipment are classified in this group. However, jigs, fixtures, and

templates used in conjunction with metalworking machinery are classified in group 34. Infrared assemblies, subassemblies, and components specifically designed as test and maintenance specialized equipment are classified in the appropriate classes of this group. Excluded from this group is infrared equipment designed for testing communications and night vision equipment.

4910 Motor Vehicle Maintenance and Repair Shop Specialized Equipment
Includes Automotive Lifts; Wheel Aligners; Brake Service Equipment; Tire Maintenance and Repair Equipment; Test stands and test equipment specially designed for use with motor vehicles.

Excludes Hand Tools (**FSG 51**); Lubrication and Fuel Dispensing Equipment (**FSC 4930**); Basic types of electrical and electronic test instruments, including those specifically designed, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments as shown in the indexes in the FSC (**FSC 6625**).

4920 Aircraft Maintenance and Repair Shop Specialized Equipment
Includes Maintenance stands designed for support of aircraft assemblies during repair or overhaul; Test Stands and Test Equipment specially designed for maintenance and repair of aircraft components such as: engines, generators, hydraulic systems, armament, automatic pilot, fire control, flight control and navigational systems.

Excludes Hand Tools; Airfield Maintenance Platforms; Basic types of electrical and electronic test instruments, including those specially designed, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments, as shown in the indexes to the FSC; Test Apparatus used for both communications and other electrical and electronic equipment.

4921 Torpedo Maintenance, Repair, and Checkout Specialized Equipment

Includes Specially designed maintenance, test, checkout, and repair shop specialized equipment for maintenance and repair of torpedoes, torpedo components; adapters, fixtures, inspection and holding fixtures, leveling jack assemblies, fuel filling and syphon assemblies control surface adapter

and protractor assemblies, afterbody cradle adapter and tilting mount assemblies, high pressure air heater assemblies, motor drier and puller assemblies, test stand levels and stands for overhaul, maintenance, test, checkout, and repair of torpedo and torpedo components, test panels, fixtures, and test sets for electrical circuits, firing circuits and torpedo test sets.

Excludes Specially designed maintenance test, checkout and repair shop specialized equipment for maintenance and repair of ammunition, guided missiles, rockets, fire control, space vehicles, underwater mines, depth charges and nuclear ordnance. Also excludes "basic" types of electrical and electronic test instruments, such as ammeters, voltmeters, ohmmeters, multimeters, galvanometers and similar instruments.

4923 Depth Charges and Underwater Mines Maintenance, Repair, and, Checkout Specialized Equipment

Includes Specially designed maintenance, test, checkout and repair shop specialized equipment for maintenance and repair of depth charges and underwater mines; adapters, inspection, test and holding fixtures; stands for overhaul, maintenance, test, checkout, and repair of underwater mines and depth charges; test fixtures, panels plus assemblies and test sets for leak test, pressure test, firing circuits and timing devices.

Excludes Specially designed maintenance, test, checkout, and repair shop equipment designed for nuclear ordnance, guided missiles, ammunition, torpedoes, rockets, fire control, space vehicles and "basic" types of electrical and electronic test instruments.

4925 Ammunition Maintenance, Repair, and Checkout Specialized Equipment

Includes Specially designed maintenance, test, checkout, and repair shop specialized equipment, for maintenance and repair of ammunition items; adapters; ammunition feeders and hoppers; inspection and holding fixtures; linkers, linkers-delinkers, and delinkers to assemble and disassemble ammunition belts; surveillance ovens; explosimeters; primer firing device fixtures; mandrels; repositioning machines; gas bomb service kits; test fixtures; panels; plug assemblies; and test sets for ammunition

	<p>maintenance, checkout, and repair. <i>Excludes</i> Maintenance, repair, checkout and test equipment specially designed for use with guided missiles, guided missile remote control systems, guided missile systems; fire control; nuclear ordnance; rockets, underwater mines and depth charges; torpedoes; space vehicles and test equipment for aircraft weapon launchers; basic types of electrical and electronic test instruments, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments as shown in the indexes to the FSC.</p>	
4927	<p>Rocket Maintenance, Repair and Checkout Specialized Equipment <i>Includes</i> Specially designed maintenance, test, checkout, and repair shop specialized equipment for maintenance and repair of rockets and rocket components; rocket maintenance stands; test stands; fixtures; jigs; and shop equipment designed for maintenance and repair of rockets, rocket motors and other rocket components. <i>Excludes</i> Specially designed maintenance, test, checkout, and repair shop equipment specifically designed for nuclear ordnance, guided missiles, fire control, torpedoes, underwater mines, depth charges, ammunition, space vehicles; test equipment for aircraft rocket launchers and "basic" types of electrical and electronic test instruments, such as ammeters, voltmeters, ohmmeters, multimeters, galvanometers and similar instruments.</p>	<p>4933 Weapons Maintenance and Repair Shop Specialized Equipment <i>Includes</i> Maintenance Stands, Fixtures, and Jigs. <i>Excludes</i> Atomic Ordnance Maintenance and Repair Shop Specialized Equipment; Airborne Weapons Maintenance and Repair Shop Equipment.</p>
		<p>4935 Guided Missile Maintenance, Repair, and Checkout Specialized Equipment <i>Includes</i> Checkout equipment and test equipment specially designed for use with guided missiles and guided missile remote control systems. <i>Excludes</i> Specially designed internal (built-in) checkout equipment for guided missile remote control systems; Basic types of electrical and electronic test instruments, including those specially designed, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments, as shown in the indexes to the FSC; Test Apparatus used for both communications and other electrical and electronic equipment.</p>
4930	<p>Lubrication and Fuel Dispensing Equipment <i>Includes</i> Hand Grease Guns; Centralized Lubrication Systems; Hydrostatic Lubricators; Oil and Gasoline Dispensing Pumps; Fuel Oil Dispensing Pumps; Hand Oilers; Grease Dispensers; Pressure Gun Attachments; Sight Feed Lubricators. <i>Excludes</i> Alemite and Lubrication Fittings (FSC 4730).</p>	<p>4940 Miscellaneous Maintenance and Repair Shop Specialized Equipment <i>Includes</i> Paint Spraying Equipment. <i>Excludes</i> Hand Tools (FSG 51).</p>
4931	<p>Fire Control Maintenance and Repair Shop Specialized Equipment <i>Includes</i> Specially Designed Test Equipment, Maintenance Fixtures and Stands. <i>Excludes</i> Instruments for use on both Fire Control and other Equipment; Airborne Fire Control Maintenance and Repair Shop Equipment.</p>	<p>4960 Space Vehicle Maintenance, Repair, and Checkout Specialized Equipment <i>Includes</i> Checkout and Test Equipment specially designed for use with Space Vehicles, including Remote Control Systems. <i>Excludes</i> Checkout and Test Equipment used with both Guided Missiles and Space Vehicles; Specially designed Internal (built-in) Checkout Equipment for Remote Control Systems; Basic types of Electrical and Electronic Test Instruments, including those specially designed, such as ammeters, ohmmeters, multimeters, and similar instruments, as shown in the indexes to the FSC.</p>
		<p>4970 <i>Multiple Guided Weapons, Specialized Maintenance and Repair Shop Equipment</i> <i>NOTE: Maintenance, test, checkout and repair shop equipment designed to test, maintain, fault isolate and repair multiple guided weapon systems. For equipment designed to be used with only one</i></p>

specific system see the individual FSC indexed (i.e. 4921, 4927, 4935).

**GROUP 51
Hand Tools**

- 5110 Hand Tools, Edged, Nonpowered
Includes Chisels; Files; Pipe Cutters; Rasps; Saws; Screw Plates; Axes; Hatchets; Machetes.
- 5120 Hand Tools, Nonedged, Nonpowered
Includes Hammers; Picks; Pliers, except pliers for cutting only; Screwdrivers; Shovels; Construction Rakes, Forks and Hoes; Jacks, including Contractors' Jacks; Wrecking Bars; Glue Pots; Blowtorches.
Excludes Craftsman's Measuring Tools; Gardening Rakes, Forks, Hoes, and other Garden Tools.
- 5130 Hand Tools, Power Driven
Includes Drills; Riveters; Portable Electric Saws; Pneumatic Tools; Abrasive Wheels, Cones and other Abrasive Attachments for use only on Hand Held Power Tools.
- 5133 Drill Bits, Counterbores, and Countersinks; Hand and Machine
- 5136 Taps, Dies, and Collets; Hand and Machine
Excludes Punching, Stamping, and Marking Dies.
- 5140 Tool and Hardware Boxes
- 5180 Sets, Kits, and Outfits of Hand Tools
NOTE: This class includes sets, kits, and outfits consisting of several different item classifiable either in a single class or in several classes. Excluded from this class are sets, kits, and outfits consisting of variations (such as size or color) of an item. Classify these items in the same class as the individual item.

**GROUP 52
Measuring Tool**

- 5210 Measuring Tools, Craftsmen's
NOTE: This class does not include special inspection gages, which are classified in class 5220.
Includes Calipers; Levels; Micrometers;

Plumb Bobs; Precision Tapes; Squares; Angle Gages; Center Gages; Depth Gages; Draw Gages; Drill Point Gages; Fillet and Radius Gages; Glaziers' Gages; Height Gages (Vernier); Planer Gages; Rivet Selector Gages; Saw Tooth Set Gages; Screw Pitch Gages; Surface Gages; Telescoping Gages; Thickness Gages; Tube Bead Gages; Tube Flare Gages; Twist Drill Gages; Twist Drill and Rod Gages; Twist Drill and Tap Gages; Taper-Wire-Thickness Gages; Wire Gages; Tool Setting Planer and Shaper Gages; Gage Blocks.

5220 Inspection Gages and Precision Layout Tools

NOTE: Special inspection gages are included in this class.
Includes Go and Not-Go Gages, including Plug, Ring, Snap, Thread, and Length Gages; Profile Gages; Fixture Gages; Special Inspection Gages.

5280 Sets, Kits, and Outfits of Measuring Tools

**GROUP 53
Hardware and Abrasives**

5305 Screws

5306 Bolts

5307 Studs

5310 Nuts and Washers

NOTE: Nuts and washers, including specially designed, are to be classified in this FSC. a. Nuts are a small metal block made in a variety of shapes such as square and hexagonal which is drilled and internally threaded. b. Washers are a perforated piece of metal, leather, or other materials of various shapes or forms. They are used primarily as a seat for a bolt, nut, screw, rivet or nail to distribute pressure and prevent endwise motion over an area and/or to prevent movement between two parts by means of restraining features created by the shape of its edges.

***Includes* Locknuts; Eye Nuts; Plain Nuts; Castellated Nuts; Wing Nuts; Plate Nuts; Push on Nuts; Concave and Convex Washers; Flat Washers; Keyed Washers; Lock Washers; Shouldered Washers;**

	<p>Split Washers. Excludes Bearing Thrust Washers (FSC 3120); Shims (FSC 5365); Ring Spacers (FSC 5365); Plate Spacers (FSC 5365); Lock Rings (FSC 5365).</p>				
5315	<p>Nails, Machine Keys, and Pins NOTE: Nails, machine keys, and pins, including specially designed, will be classified in this FSC. a. Nails are slender, usually pointed fasteners with a head, and designed for insertion by impact. b. Machine keys are items generally inserted between two items, usually in a groove, to prevent relative rotation, e.g., shaft and hub, c. Pins are cylindrical items of various materials used to align/attach two or more parts together and may allow for angular movement. Includes Dowel Pins, Split Pins; Spikes; Tacks; Nonoffice Type Staples; Machine Keys; Brads; Shouldered Pins; Cotter Pins; Nails. Excludes Shafts (FSC 3040); Lock Keys (FSC 5340).</p>				
5320	Rivets				
5325	<p>Fastening Devices Includes Eyelets; Grommets; Aircraft Cowling Fasteners; Textile Fasteners; Retaining Rings; Threaded Inserts.</p>				
5330	<p>Packing and Gasket Materials NOTE: This FSC includes only seals and gaskets designed for standard use. Seals, gaskets and packing are made from materials specifically designed and constructed to resist deterioration from the action of heat, gas, chemicals, liquids, and used to fill a cavity and create a tight seal. Similar materials used to make seals, gaskets and packing are available in bulk form, refer to FSG 93, FSG 80, and FSG 83. Includes General Purpose Oil Grease, Air, Liquid, Gas, and chemical Seals; Oakum; Prefabricated Gaskets and Seals designed for a single specific application. Excludes O-Rings (FSC 5331); Bulk material items, such as; Rubber, Cork, and Asbestos Sheets and Strips (FSG 93); Liquid Gasket Materials (RTV), Permatex, etc.) (FSG 80); RFI and EMI</p>				
					<p>Seals and Gaskets (FSC 5999), and all Seal Retainers.</p>
		5331			<p>O-Ring Excludes Packing and Gasket Material (FSC 5330).</p>
		5335			<p>Metal Screening NOTE: Metal Screening is a perforated plate or cylinder or a meshed wire fabric usually mounted and used to separate coarse from finer parts. Includes Insect Screening; Industrial Metal Cloth; Industrial Metal Mesh. Excludes Fencing (FSC 5660).</p>
		5340			<p>Hardware NOTE: Common hardware designed primarily for commercial use will be classified in this FSC. Hardware is the physical, tangible, and permanent components of end items that may not be classified elsewhere. It consists also of common items that are commonly used in construction and/or manufacturing (e.g., hinges, door locks). Includes Access Covers; Bumpers; Casters; Cabinet and Door Hardware; Clevises; Hinges; Latches; Straps and Strapping; Turnbuckles; Webbed Straps. Excludes Weapons System Hardware (5342).</p>
		5341			<p>Brackets NOTE: All brackets, including specially designed for specific use and/or application, will be classified in this FSC. Brackets are items of rigid construction that sustain a secondary item. Includes Angle Brackets; Double Angle Brackets; Mounting Brackets. Excludes Corner Braces (FSC 5340); "T" Braces (FSC 5340); Mending Plates (FSC 5340).</p>
		5342			<p>Hardware, Weapon System NOTE: Hardware designed for weapon systems unique applications will be classified in this FSC. Includes Adapters; Anchor Plates and Straps; Anodes; Bellows; Couplings; Control Rods; Access Doors; Fairleads; Mounts; Tie Rods; Yokes. Excludes Commercial Hardware (FSC</p>

5340).

5345 Disks and Stones, Abrasive
Includes Abrasive Belts and Belting; Hones; Abrasive Wheels, Multiapplication.
Excludes Dental Abrasives; Abrasive Cones, and other Abrasive Attachments for equipment.

5350 Abrasive Materials
Includes Cloth; Papers; Powders; Abrasive Polishing Compounds; Metal Finishing Abrasives; Industrial Diamonds; Diamond Dust; Rouge.

5355 Knobs and Pointers
Includes Knobs, including Calibrated Knobs; Dials, Scale.

5360 Coil, Flat, **Leaf**, and Wire Springs
NOTE: All springs, including specially designed will be classified in this FSC. A spring is an elastic mechanical device that regains its original shape after being compressed, extended or deflected. Includes Compression Springs; Torsion Springs; Leaf Spring Assemblies; Flat Springs; Extension Springs.

5365 **Bushings, Rings, Shims and Spacers**
NOTE: All items, including specially designed, will be classified in this FSC.
a. A bushing is cylindrical in shape, hollow, and designed primarily to be inserted into a hole to reduce the effective inside diameter of the hole, and to protect the body structure about the hole, and to protect the body structure about the hole from damage resulting from stress, strain, and vibration. b. A ring is cylindrical in shape, usually flat with a center hole. Rings are multi-applicational. See specific item name for designated usage. c. A shim is a thin, sometimes tapered, piece of material used to fill in space between things. See specific item name for dimensional parameters. d. A spacer is a device for holding two members at a given distance from each other.
Includes Externally Threaded Rings; Keyed and Serrated Lock Rings; Dee Rings; Instrument Retaining Rings; Shim Sets and Assortments; Plate Spacers; Ring Spacers; Sleeve Spacers; Stepped Spacers; Spacer Sets and Assortments;

Sleeve Bushings; Machine Threaded Bushings; Machine Threaded Plugs. Excludes Sleeve Bearings (FSC 3120); Pipe Threaded Plugs (FSC 4730); Piston Rings (FSC 2520, 2805, 2810, 2815, 2825, 2990, 3040, 4310 and 4820); Retaining Rings (FSC 5325); Shim Stock (FSC 9515).

GROUP 54
Prefabricated Structures and Scaffolding

5410 Prefabricated and Portable Buildings
Includes Prefabricated Panels; Inflatable Shelters; Metal Screens and Metal Windows.

5411 Rigid Wall Shelters
Includes Expandable and nonexpandable shelters.

5419 Collective Modular Support System
Includes Self-Contained habitat, containing facilities normally expected in a "Rest and Recreational" area, such as; billeting, food services, laundry, shower/hygiene services, recreational and support services that enhance morale and welfare.

5420 Bridges, Fixed and Floating
Includes Special Bridge Erection Equipment; Bridge Floats and pontoons; Tramways; Trestles.
Excludes Pontoons and Floating Docks (FSC 1945).

5430 Storage Tanks
Includes Assembled and Unassembled Tanks for storage only; Enclosures for Pressure and Vacuum Tanks; Petroleum Bulk Storage Tanks.
Excludes Boiler Tanks (FSC 4410); Hot Water Tanks (FSC 4520).

5440 Scaffolding Equipment and Concrete Forms
Includes Prefabricated Concrete Placing Forms; Builders' Ladders and Stepladders;
Suspension stages.
Excludes Aircraft Ladders (FSC 1730); Fire Fighting Ladders (FSC 4210); Maintenance Ladders (FSC 4940); Marine Vessel Ladders (FSC 2090); Vehicle Ladders (FSC 2540).

5445 Prefabricated Tower Structures

Includes Power Transmission Towers; Radar Towers; Searchlight Towers; Control Towers; Prefabricated Tower Components, such as Anchor Rails, Tie Rods, Braces, Steps, Guy Assemblies; Specialized Tower Hardware.

5450 Miscellaneous Prefabricated Structures
Includes Bleachers; Grandstands.

GROUP 55

Lumber, Millwork, Plywood, and Veneer

5510 Lumber and Related Basic Wood Materials
Includes Dimensional Lumber; Wood Flooring; Mine Timbers; Poles; Railroad Ties; Wood Siding; Molding; Stakes.
Excludes Millwork (FSC 5520); Plywood and Veneer (FSC 5530); ***Prefabricated Non-Wood Items (FSC 5670).***

5520 Millwork
Includes Door Frames; Doors; Window Frames; Window Sashes.
Excludes Molding (FSC 5510); Prefabricated Non-Wood Items (FSC 5670).

5530 Plywood and Veneer
Includes Plywood and Veneered Panels.

GROUP 56

Construction and Building Materials

5610 Mineral Construction Materials, Bulk
Includes Asphalt; Cinders; Gravel; Lime; Sand; Rough Dimension Stone, including Rubble; Cement; Ballast.
Excludes Block, Shaped; Brick.

5620 Tile, Brick, and Block
Includes Concrete Building Block; Cinder Block; Slag Brick; Cut Stone; Cut and Polished Stone; Ceramic Floor and Wall Tile; Architectural Terra Cotta; Concrete Slabs and Grilles.
Excludes Glass Building Block (FSC 9340)

5630 Pipe and Conduit, Nonmetallic
Includes Concrete Pipe and Conduit; Clay Pipe and Conduit for underground use; Drain Tile; Nonmetallic Pipe Fittings for underground use.

Excludes Nonmetallic Pipe, Conduit, and Fittings for laboratory or electrical use; Hose and Tubing, Flexible Nonmetallic.

5640 Wallboard, Building Paper, and Thermal Insulation Materials
Includes Paper Building Board; Ceiling Board; Gypsum Board; Insulating Board; Plasterboard; Soundproofing Board; Tar Paper; Wallpaper; Mineral Wool; Glass Wool Batts; Pipe Covering.
Excludes Electrical Insulation Materials.

5650 Roofing and Siding Materials
Includes Roofing (all materials), including Sheet Metal; Roofing Felt; Roll Roofing; Roofing Tile; Shingles.
Excludes Tar Paper; Bulk Sheet Metal Roofing and Siding; Wood Siding.

5660 ***Fencing, Fences, Gates and Components***

5670 Building Components, Prefabricated
NOTE: Items specified as Wooden are classified in FSC 5520.
Includes Door Frames; Window Frames; Window Sashes; Eave Troughs (gutters); Gratings; Grilles, Shutters; Fixed Fire Escapes; Mounted Partitions.
Excludes Plumbing and Associated Components such as Sinks; Wallboard and Items Classified as Furniture.

5675 ***Nonwood Construction Lumber and Related Materials***
Includes Nonwood Dimensional Lumber; Flooring; Special Turning and Carvings; Nonwood Veneer.
Excludes Millwork and Wood Veneer (FSC's 5520 and 5530); Items specified as Wooden (FSC 5510).

5680 Miscellaneous Construction Materials
Includes Expanded Metal Lath; Airplane Landing Mats; Traction Mats.

GROUP 58

Communication, Detection, and Coherent Radiation Equipment

NOTE: *Excludes* oscillator items which should be classified in FSC 5955 or 5963; fiber optic items which

should be classified in Group 60; electronic modules as defined under Class 5963; and electrical cable, cord and wire assemblies, harnesses and sets, related to FSG 58 equipment (see FSC 5995). In group 58, more than in any other group, it frequently happens that the same name is listed as an index entry in each of several classes. In addition, that name may also appear as an entry in groups other than 58. Each such entry refers to a distinctly different part or assembly, even though the different items have the same name. The listing of the same name in two or more classes indicates that, in one form, the part or assembly covered by the name is applicable to the equipment covered by one class, and in another form is applicable to the equipment covered by another class. For example, the item name CODER, AUDIO FREQUENCY is applicable to two distinctly different assemblies, one of which has an application in cryptologic equipment, covered by class 5810, and the other in radar equipment covered by class 5840. Consequently the name CODER, AUDIO FREQUENCY is an entry under each of the two classes. When an item identification bears a name which is indexed under more than one class of group 58, or in group 58 and in some other group, the item will be classified in the same class as its next higher assembly in the manner described in the Department of Defense, Federal Logistics Information System (FLIS) Procedures Manual, DoD 4100.39-M. Also excluded from this group are data transmission and communications equipment such as terminals, sensors, and other devices designed for use with a configuration of ADPE.

- 5805 Telephone and Telegraph Equipment
- 5810 Communications Security Equipment and Components
- 5811 Other Cryptologic Equipment and Components
- 5815 Teletype and Facsimile Equipment
Includes Ticker Tape and Sigtot Equipment.
- 5820 Radio and Television Communication Equipment, Except Airborne
Includes Telemetry Equipment.
Excludes Home Type Radio and Television Equipment.
- 5821 Radio and Television Communication Equipment, Airborne
Includes Telemetry Equipment.
- 5825 Radio Navigation Equipment, Except

Airborne
Includes Loran Equipment; Shoran Equipment; Direction Finding Equipment.

- 5826 Radio Navigation Equipment, Airborne
Includes Loran Equipment; Shoran Equipment; Direction Finding Equipment.
- 5830 Intercommunication and Public Address Systems, Except Airborne
Includes Wired Audio Systems; Office Type Systems; Shipboard Systems; Tank Systems.
- 5831 Intercommunication and Public Address Systems, Airborne
- 5835 Sound Recording and Reproducing Equipment
Excludes Phonographs, Home Type; Dictating Machines.
- 5836 Video Recording and Reproducing Equipment
NOTE: This class includes, and is restricted to electronic video equipment such as video monitors, televisions, cameras, printers and recorders/reproducers used with miscellaneous communication equipment. Also included is associated equipment such as cleaners, splicers, rewinders, reels and tapes designed for use with video recording-reproducing equipment. Excluded from the class is photographic type equipment (Group 67), ADP type computer monitors (Group 70), and video equipment which includes radio receivers/transmitters (properly classified in more specific classes in Group 58).
- 5840 Radar Equipment, Except Airborne
NOTE: Radar assemblies and subassemblies designed specifically for use with fire control equipment or guided missiles are excluded from this class and are included in the appropriate classes of group 12 or group 14.
- 5841 Radar Equipment, Airborne
NOTE: Radar assemblies and subassemblies designed specifically for use with fire control equipment or guided missiles are excluded from this class and are included in the appropriate classes of group 12 or group 14.

5845 Underwater Sound Equipment
NOTE: This class excludes items specifically designed for fire control sonar systems.
Includes Sonar Equipment; Underwater Listening Equipment; Sonobuoys; Sonobuoy Launchers; Fathometers; Sonar Equipment.

5850 Visible and Invisible Light Communication Equipment
NOTE: This class includes only communication types of infrared equipment. Excluded from this class are infrared assemblies, subassemblies, and components designed specifically for use in fire control systems, guided missile systems, test and maintenance specialized equipment, night vision equipment, and other noncommunication types of equipment.
Includes Heliographs.

5855 Night Vision Equipment, Emitted and Reflected Radiation
NOTE: This class includes image forming devices and associated aids, their subassemblies and components, utilizing passive and/or active techniques for detection, observation, and identification of terrain and objects at night, while maintaining concealment afforded by darkness. Includes items having multiapplication for purposes of fire control, and/or night observation, and/or detection. Excluded from this class are items for which more specific classifications are suitable as prescribed by the structure and indexes of the FSC.
Includes Sighting and Observation Devices; Target Detectors, Locators, Remote Viewing Systems utilizing heat radiation emitted from object(s), associated Radiation Sources, Image Converters and Image Intensifiers, Optical Cells and other components designed for Night Vision Equipment. Holders and Lens used with Infrared Equipment are also included in this FSC.
Excludes Optical sighting devices which incorporate both day and night viewing characteristics within an integral unit for fire control purposes, nonnight vision type items designed for use with guided missiles, communications, or laboratory equipment, and Optical Elements, such, as Lens,

Prisms, Windows.

5860 Stimulated Coherent Radiation Devices, Components, and Accessories
NOTE: This class includes, and is restricted to, devices the operation of which is based on principles involving the stimulated emission of radiation, and to associated components and accessories directly related to stimulated coherent radiation techniques. The methods for producing the radiation are those obtained by LASER (Light Amplification by Stimulated Emission of Radiation) and by MASER (Microwave and/or Molecular Amplification by Stimulated Emission of Radiation) techniques. Only those items specifically designed for stimulated coherent radiation applications, and having no other application, are to be included in this class. Assemblies or major systems containing such devices are excluded from this class.

5865 ***Electronic Countermeasures, Counter-Countermeasures and Quick Reaction Capability Equipment***
NOTE: This class includes, and is restricted to, passive and active electronic equipment, systems, and subsystems designed to prevent or reduce an enemy's effective use of radiated electromagnetic energy or designed to insure our own effective use of radiated electromagnetic energy.
Includes Electronic Countermeasures, Electronic Counter-Countermeasures, Electronic Support Measures, and Quick Reaction Capability Equipment and components specially designed therefor which are not classifiable elsewhere in the FSC structure. Excluded from this class are nonelectronic items which are properly classified in more specific classes in accordance with the FSC structure and indexes.

5895 Miscellaneous Communication Equipment
NOTE: This class includes miscellaneous communication equipment that is not classified in more specific classes. (See the NOTE for FSG 58.)
Includes Modems.
Excludes Electronic Countermeasures Equipment.

GROUP 59
Electrical and Electronic Equipment
Components

NOTE: Mounting hardware, included in classes of this group, includes such specially designed items as brackets, holders, retainers, etc. Excluded from classes in this group are such hardware items as screws (FSC 5305), bolts (FSC 5306), studs (FSC 5307), washers (FSC 5310), rivets (FSC 5320), and other common items indexed to specific classes, other than in group 59. The FSC indexes and structure will govern the classification of items used on or with mounting hardware cited above.

- 5905 Resistors
Includes Varistors; Resistive Ballast Tubes; Rheostats; Resistor Networks; Resistor Mounting Hardware; Thermistors.
Excludes Resistance Wire.

- 5910 Capacitors
Includes Interference Filter Capacitors; Capacitor Mounting Hardware.
Excludes Semiconductor Devices and Associated Hardware.

- 5915 Filters and Networks
 NOTE: This class includes those filters and networks which consist of a combination of resistors, capacitors, or coils, but not a combination of resistors only (classified in 5905), capacitors only (classified in 5910), or coils only (classified in 5950).

- 5920 Fuses, Arresters, Absorbers, and Protectors
Includes Fuseholders; Fuse Boxes; Fuse Posts; Fuse Links; Fuse blocks; Current Limiters. Corona Balls, Electrostatic Dischargers.
Excludes Circuit Breakers.

- 5925 Circuit Breakers
Includes Circuit Breakers and Cutouts.
Excludes Relays.

- 5930 Switches
Includes Rotary, Knife, Toggle. Push Button, Mercury, Thermostatic, and Differential Pressure Switches.
Excludes Switchgear.

- 5935 Connectors, Electrical
Includes Plugs; Jacks; Receptacles; Electronic Component Sockets and Associated Accessories.

Excludes Interconnectors, Fiber Optic.

- 5940 Lugs, Terminals, and Terminal Strips
Includes Binding Posts; Battery Clips; Stud Terminals; Test Clips.
Excludes Caps, Electrical; Clips Electrical; and Contacts, Electrical.

- 5945 Relays and Solenoids
Includes Electromagnetic Actuators.
Excludes Contactors.

- 5950 Coils and Transformers
Includes Coils, except ignition and magneto; coil assemblies; magnetic amplifiers; reactors; transformers.

- 5955 Oscillators and Piezoelectric Crystals
Includes Crystal Units, Processed Unmounted Crystals, Crystal Controlled Oscillators and Noncrystal Controlled Oscillators.
Excludes Crystal Controlled Oscillators and Noncrystal Controlled Oscillators which meet the definition of the term. "electronic module" as defined for FSC 5963 and Microcircuits.

- 5960 Electron Tubes and Associated Hardware
Includes Rectifying Tubes; Photoelectric Tubes; Electron Vibrator Tubes.
Excludes Transistors; Tube Sockets; X-ray Tubes; Semiconductor Devices and Associated Hardware.

- 5961 Semiconductor Devices and Associated Hardware
Includes Semiconductor Assemblies; Semiconductor Diodes; Semiconductor Rectifiers, Semiconductor Thyristors; Transistors; Unitized Semiconductors; Associated Hardware except Sockets.
Excludes Microcircuits; Optoelectronic Devices and Associated Hardware.

- 5962 Microcircuits, Electronic
 NOTE: (1) A microcircuit is defined as follows: A small circuit having a high equivalent circuit element density, which is considered as a single part composed of interconnected elements placed and/or formed on or within a single substrate to perform an electronic circuit function. The elements may be on or within a semiconductor material substrate; may consist of conductive film(s) formed on an insulating substrate; or

	<p>may be a combination of one or both of these types with discrete elements. (2) The term "microcircuit", as applied to circuit devices included in this class, is delimited to exclude items consisting solely of interconnected "microcomponents" (discrete miniaturized components). Also excluded are items fabricated in the form of monolithic thick-film or thin-film structures that in themselves are not functional electronic circuits (e.g., capacitors, resistors, transistors, or "arrays" thereof). <i>Includes</i> Integrated Circuit Devices; Integrated Circuit Modules; Integrated Electronic Devices: Hybrid, Magnetic, Molecular, Opto-Electronic, and Thin Film. <i>Excludes</i> Single Circuit Elements such as Capacitors; Resistors; Diodes and Transistors; Printed Circuit Boards and-Circuit Card Assemblies; and Filters and Networks.</p>		
5963	<p>Electronic Modules NOTE: The term "electronic module" as used in this class designates an electronic component designed for use in various equipment or end item applications, and capable of controlling voltage and/or current to produce gain, oscillation, switching or similar integral electronic functions. It consists of a collection of miniaturized electronic parts and/or elements in a single replaceable package with plug-in mounting which will also complete the required electrical connections. It is not normally subject to disassembly as distinguished from such items as CIRCUIT CARD ASSEMBLY and ELECTRONIC COMPONENTS ASSEMBLY. These modules conform to industry or government specifications/standards that define all physical dimensions and electrical parameters required to promote commonality and ensure proper operational performance. <i>Excludes</i> Microcircuits; Electronic Test Equipment Plug-In Units.</p>		
5965	<p>Headsets, Handsets, Microphones and Speakers</p>		
5970	<p>Electrical Insulators and Insulating Materials <i>Includes</i> Tube, Knob, Cleat, Strain, and Standoff Insulators; Feed Thru Insulators; Bead Insulators; Varnish Cambrie Tape;</p>		
			Friction Tape.
		5975	<p>Electrical Hardware and Supplies <i>Includes</i> Conduit; Raceways; Face Plates; Condulets; Outlet and Junction Boxes; Pole Line Hardware, not elsewhere classifiable.</p>
		5977	<p>Electrical Contact Brushes and Electrodes <i>Includes</i> Brushes for electrical rotating equipment; Carbon Stock for Brushes; Brush Arm and Holders; Lighting Electrodes. <i>Excludes</i> Anodes; Cathodes, Welding Electrodes.</p>
		5980	<p>Optoelectronic Devices and Associated Hardware <i>Includes</i> Optoelectronic devices and assemblies which display numeric, alphanumeric, symbolic, or graphic information emitters, and nondisplay optoelectronic devices, such as couplers, detectors, and switches which perform an active function in an electronic system. <i>Excludes</i> Electric lighting fixtures, lamps, and associated hardware.</p>
		5985	<p>Antennas, Waveguide, and Related Equipment <i>Includes</i> Aerials; Mast; Tower Equipment; Attenuators; Couplers; Transmission Lines. <i>Excludes</i> Tower Structures.</p>
		5990	<p>Synchros and Resolvers <i>Excludes</i> Synchro Systems; Servo Mechanisms.</p>
		5995	<p>Cable, Cord, and Wire Assemblies: Communication Equipment NOTE: This class includes only those types of cable, cord, and wire assemblies and sets (and wiring harnesses) used on or with equipment and components covered by groups 58 and 59. Cable, cord, wire assemblies, and sets (wiring harnesses) used on or with equipment classified in FSC groups other than groups 58 or 59 are classified in FSC class 6150 if multiapplication, or classified with the next higher classifiable assembly if specially designed. <i>Excludes</i> Cable Assemblies, Fiber Optic</p>
		5996	<p>Amplifiers <i>Includes</i> Audio Amplifiers, Complementary Amplifiers, Amplifiers, Operational Amplifiers, Power Amplifiers, Radio</p>

Frequency Amplifiers, Signal Amplifiers, and Video Amplifiers.
Excludes Multi-functional items such as Amplifier-Detector, Amplifier-Mixer and microcircuit devices.

5998 Electrical and Electronic Assemblies; Boards, Cards, and Associated Hardware
Excludes circuit card and electronic component assemblies which can be identified to a more definitive Approved Item Name.

5999 Miscellaneous Electrical and Electronic Components
Includes Permanent Magnets and Magnetostriction Elements; Caps, Clips, and Contacts, Electrical.

GROUP 60

Fiber Optics Materials, Components, Assemblies, and Accessories

NOTE: Fiber Optics is a general term used to describe the function where optical energy (i.e., light/laser driven rays) is guided to another location through fiber(s). This group includes Fiber Optics items such as parts, materials, and devices used for communications, data transmission, or illumination. *Excludes* Imaging devices under FSG 65 (Medical); hand tools under FSG 51; Electrical, Electronic and Optical Instruments under FSG 66 (Instruments).

6010 Fiber Optic Conductors
 NOTE: Included in this class are bulk discrete fibers.

6015 Fiber Optic Cables
 NOTE: Included in this class are one or more discrete fiber optic conductors with a common protective covering in bulk form. May include electrical conductors/cables and/or reinforcing material.

6020 Fiber Optic Cable Assemblies and Harnesses
 NOTE: Included in this class are items used for communication and/or data transmission having one or more fiber optic conductors/cables with processed end(s) or terminated in fitting(s). Excluded from this class are items used for illumination and/or image transmission.

6021 Fiber Optic Switches

NOTE: Included in this class are switches used for line selection in fiber optic systems.

6030 Fiber Optic Devices
NOTE *Included in this class are such items as transmitters, receivers, multiplexers, demultiplexers, modulators, demodulators, repeaters, attenuators, filters, integrated optical circuits, and the like, used in fiber optic systems.*

6032 **Fiber Optic Light Sources and Photo Detectors**
NOTE: *Included in this class are light emitting and laser diodes and photo detectors used in fiber optic systems.*

6035 Fiber Optic Light Transfer and Image Transfer Devices
 NOTE: Included in this class are fiber optic devices used for illumination and/or image transmission. Excluded from this class are items used for communication and/or data transmission.

6060 **Fiber Optic Interconnectors**
NOTE: *Included in this class are all types of fiber optic terminations, such as connectors, dividers, couplers, rotary and nonrotary joints, splitters, mixers and splicers and the like.*
Excludes Electrical connectors

6070 Fiber Optic Accessories and Supplies
 NOTE: Included in this class are mode stripping materials, index matching materials and other related supplies. Excluded from this class are hardware and supplies common to both electrical and fiber optic applications which are classifiable in FSC 5975.

6080 Fiber Optic Kits and Sets
 NOTE: Included in this class are kits and sets which consists of fiber optic components only; fiber optic components and related parts; fiber optic components and related tools; or fiber optic components, related parts and related tools. Excluded from this class are tool kits and sets which are classifiable in FSC 5180; test set/ instruments classifiable in FSG 66; and end item sets/ equipment utilizing fiber optic components which are classifiable in the applicable equipment FSC.

6099 Miscellaneous Fiber Optic Components
 NOTE: Included in this, class are fiber optic items which are not classifiable in a more specific class. (See the "Note" for FSG 60.)

GROUP 61
Electric Wire, and Power and Distribution Equipment

6105 Motors, Electrical
Excludes Starting Motors for Engines

6110 Electrical Control Equipment
Includes Contactors; Motor Controllers; Power Servomechanisms; Switchgear; Voltage Regulators.
Excludes Automatic Pilot Mechanisms; Relays; Resistors.

6115 Generators and Generator Sets, Electrical
Includes Engine, Turbine, Wind, and Hand Driven Generator Sets and Auxiliary Aircraft Generators.
Excludes Motor-Converters: Motor-Generator Sets; Engine Generators; Engine Accessory Generators.

6116 Fuel Cell Power Units, Components, and Accessories
 NOTE: This class includes items that are designed to produce an electromotive force directly from an oxidation-reduction type of chemical reaction. A complete power unit must include tanks, pumps, and associated control equipment, and requires a continuous, uninterrupted supply of liquid or gaseous fuel and oxidizers.
Includes Complete Functioning Fuel Cell Power Units; Fuel Cells: Fuel Cell Assemblies or Modules; Fuel Cell Reactant Chambers; Fuel Feed Mechanism; Electrolyte Heaters; Heat Exchangers; and other internal components peculiar to, and used exclusively on or with, Fuel Cell Power Units classified in this class.
Excludes Primary Batteries (FSC 6135); Secondary Batteries (FSC 6140); Generators and Generating Sets (FSC 6115); and items for which more suitable classes are specifically prescribed by the indexes and structure of the FSC.

6117 Solar Electric Power Systems
 NOTE: This class includes items which are

designed for the direct conversion of solar energy into electrical power.

6120 Transformers: Distribution and Power Station
 NOTE: This class includes transformers with a kilovolt-ampere rating above 1 kva.
Excludes Potential and Current Transformers.

6125 Converters, Electrical, Rotating
 NOTE: This class includes devices employing mechanical rotation of changing electrical energy from one form to another (i.e., AC to AC, DC to DC, AC to DC, DC to AC). Excluded from this class are electrical generators and generator sets (FSC 6115).
Includes Complete Battery Charging Equipment, Rotating; Dynamotors; Motor Converters; Motor-Generator Sets; Phase Converters; Rotating Equipment; Synchronous Converters.
Excludes Nonrotating Equipment.

6130 Converters, Electrical, Nonrotating
NOTE: This class includes devices employing a means other than mechanical rotation for changing electrical energy from one form to another (i.e., AC to AC, DC to DC, AC to DC, and DC to AC).
***Includes* Complete Battery Charging Equipment, Nonrotating; Power Supplies, Multiapplication.**
***Excludes* Rectifying Tubes; (FSC 5960); Rectifying Crystals (FSC 5961); Rotating Equipment (FSC 6125); Transformers (FSC 5950); and Semiconductor Devices and Associated Hardware (FSC 5961).**

6135 Batteries, Nonrechargeable
Includes Cells and Dry Batteries; Nuclear Batteries.

6140 Batteries, Rechargeable
Includes Rechargeable Cells and Batteries.

6145 Wire and Cable, Electrical
 NOTE: This class includes only bulk electrical wire and cable. Excluded from this class are electrical wire and cable items of definite length either with processed ends, or terminated in fittings
Includes Insulated and Noninsulated, **Wire and Cable, such as, Antenna Wire, Coaxial Cable, Fuse and Resistance Wire,**

and Magnet Wire.
Excludes Radio Frequency Transmission Line (FSC 5985); *Fiber Optic Cable* (FSC 6015); *Communication Cable Assemblies*; (FSC 5995); *Distribution and Power Transmission Cable Assemblies* (FSC 6150).

6150 Miscellaneous Electric Power and Distribution Equipment
Includes Appliance and Extension Cords; Electric Power and Distribution Cable with Attachments, Multiapplication; Common Components of Electrical Rotating Equipment, such as End Bells and Frames.

6160 Miscellaneous Battery Retaining Fixtures and Liners
Includes Battery Boxes, Covers, Liners, Racks, Retainers, and Trays.

GROUP 62
Lighting Fixtures and Lamps

6210 Indoor and Outdoor Electric Lighting Fixtures
Includes Airport, Railroad Platform, Stadium, and Street Lighting Fixtures.
Excludes Nonelectrical Outdoor Fixtures; Signal Fixtures; Nonelectrical Indoor Fixtures.

6220 Electric Vehicular Lights and Fixtures
Includes Automotive, Marine, Railroad, and Aircraft Lights and Fixtures.
Excludes Nonelectrical Vehicular Fixtures.

6230 Electric Portable and Hand Lighting Equipment
Includes Floodlights; Searchlights; Extension Lights.
Excludes Nonelectrical Portable and Hand Lighting Equipment; Signal and Alarm Equipment.

6240 Electric Lamps
Includes Fluorescent Lamps; Incandescent Lamps, Large and Miniature; Mercury Lamps; Sodium Lamps.

6250 Ballasts, Lampholders, and Starters

6260 Nonelectrical Lighting Fixtures
Includes Lanterns, Nonelectrical; Hand and Portable Carbide Lamps; Candles.

GROUP 63
Alarm, Signal, and Security Detection Systems

6310 Traffic and Transit Signal Systems
Excludes Railroad Signals.

6320 Shipboard Alarm and Signals Systems

6330 Railroad Signal and Warning Devices
Includes Railroad Gates; Flasher Lights; Block Signals.
Excludes Semaphore Flag Signals.

6340 Aircraft Alarm and Signal Systems
Includes Oxygen Pressure Signals and Warning Devices; such as Air Pressure Warning Signals, Aircraft Crew Warning Signals, Altitude Warning Signals, Alarm Controls, Audible Landing Gear Alarms.
Excludes Aircraft Engine Oil and Fuel Warning Devices.

6350 Miscellaneous Alarm, Signal, and Security Detection Systems
Includes Anti-intrusion Alarm Systems; Foghorns; Gongs; Chimes; Bells; Burglar Alarm Systems; Fire Alarms; Police Alarm Systems; Sounding Devices; Manual Gas Alarms; Landing Wands.
Excludes Loran; Radar; Sonar; Engine Oil and Fuel Warning Devices; Aircraft Oxygen Warning Devices.

GROUP 65
Medical, Dental, and Veterinary Equipment and Supplies

6505 Drugs and Biologicals
Includes All drugs, medicinal grade chemicals, and biologicals subject to the Federal Food, Drug and Cosmetic Act, Department of Agriculture (Veterinary Drugs and Biologicals), listed in the Monograph Section of the U.S. Pharmacopeia or the National Formulary or covered by the United States Adopted Names (USAN).
Excludes Medicated cosmetics and toiletries classifiable in FSC 6508 and in vitro diagnostic substances and reagents classifiable in FSC 6550.

6508 Medicated Cosmetics and Toiletries

	<p><i>Includes</i> medicated cosmetics and toiletries that have been determined to be drugs in accordance with the Federal Food, Drug, and Cosmetic Act. <i>Excludes</i> nonmedicated cosmetics and toiletries which are classifiable in group 85.</p>		<p><i>Excludes</i> General purpose items of clothing and fabricated textile material.</p>
6510	<p>Surgical Dressing Materials <i>Includes</i> Bandages, Compresses, Dressings, Gauze, Pads, Sponges, and impregnated surgical dressing materials.</p>	6540	<p>Ophthalmic Instruments, Equipment, and Supplies <i>Includes</i> Ophthalmic Lens Cutting and Grinding Machine; Ophthalmic Lenses and Lens Blanks; Spectacle Frames; Ophthalmological and Optometric Instruments, Equipment, and Supplies <i>Excludes</i> Optical Lens Cutting and Grinding Machines: Ophthalmoscope and Otolaryngoscope Set; Surgical Instruments and Supplies that can be used by other medical disciplines; i.e., sutures, eye pads, eye shields, eye bath, and the like.</p>
6515	<p>Medical and Surgical Instruments, Equipment, and Supplies <i>Includes</i> Anesthesia Apparatus; Blood Transfusion Apparatus; Oxygen Therapy Apparatus; Respirators; Orthopedic Supplies; Arch Supports; Clinical Thermometers; Sutures; Hearing Aids; Veterinary Equipment, Endoscopes, Fiber Optic. <i>Excludes</i> Ophthalmic Instruments, Equipment, and Supplies; Non-Medical Endoscopes.</p>	6545	<p>Replenishable Field Medical Sets, Kits, and Outfits <i>Excludes</i> Sets and kits which can be logically classified in another FSC Class in Group 65, such as Insect Sting Kit; Otolaryngoscope and Ophthalmoscope Set; In Vitro Diagnostic Test Kits; and the like.</p>
6520	<p>Dental Instruments, Equipment, and Supplies <i>Includes</i> Dental Engines; Dental Laboratory Equipment; Operating Chairs; Orthodontic Appliances; Teeth; Dental Metals; Dental Abrasives; Dental Laboratory Furniture.</p>	6550	<p>In Vitro Diagnostic Substances, Reagents, Test Kits and Sets <i>Includes</i> In vitro diagnostic aids, such as test tablets, test slides, test strips, test cards, test papers, test solutions, reagents; sets and kits designated for in vitro qualitative and quantitative tests on specimens, such as blood, urine, feces, and the like, for the purposes of aiding in the medical diagnosis of disease, determining body organ dysfunction, or other abnormal conditions. <i>Excludes</i> in vitro diagnostic substances classifiable in FSC 6505.</p>
6525	<p>X-Ray Equipment and Supplies: Medical, Dental, Veterinary <i>Includes</i> Medical X-Ray Film; Medical X-Ray Film Viewing Equipment; Medical X-Ray Film Processing and Finishing Equipment and Supplies; X-Ray Tubes. <i>Excludes</i> Industrial X-Ray Equipment.</p>		
6530	<p>Hospital Furniture, Equipment, Utensils, and Supplies <i>Includes</i> Orthopedic Equipment; Operating Lights; Physiotherapy Equipment; Sterilizers; Wheel Chairs; Litters; Hospital Beds; Restraint Equipment.</p>		
6532	<p>Hospital and Surgical Clothing and Related Special Purpose Items <i>Includes</i> Only those clothing items which are required exclusively for use in hospital operations, or in medical or dental facilities, which have no functional counterpart elsewhere in Federal Organizations Participating in the Federal Catalog System.</p>		
			<p style="text-align: center;">GROUP 66 Instruments and Laboratory Equipment</p> <p>NOTE: Infrared assemblies (including sub-assemblies and components) designed specifically for use as or with instruments and laboratory equipment are included in the classes of this group. Also included are computers (including computer assemblies, computer systems and components) designed specifically for use with instruments and laboratory equipment</p>
		6605	<p>Navigational Instruments <i>Includes</i> Azimuths; Sextants; Octants; Compasses; Plotting Boards; Underwater Log Equipment; Air Position Indicators; Drift Meters.</p>

6610	<p>Flight Instruments <i>Includes</i> Air Speed Indicators; Rate of Climb Indicators; Bank and Turn-Indicators; Pilot Tubes, Gyro Horizon Indicators; Attitude Gyro Indicators. <i>Excludes</i> Navigational Instruments (FSC 6605).</p>	<p>equipment designed for communication, and night vision maintenance and test specialized equipment. <i>Includes</i> Test Leads and Test Lead Attachments; Test instruments designed for communication equipment; Test instruments designed for use with electronic equipment classified in two or more FSC groups. <i>Excludes</i> Radiac Equipment.</p>
6615	<p>Automatic Pilot Mechanisms and Airborne Gyro Components NOTE: Included in this class are gyro components of guided missiles. Excluded are complete gyro mechanisms and nonairborne gyro components, both of which are classified in the same classes as their next higher assemblies. <i>Includes</i> Automatic Pilot Regulators; Directional, Vertical, Bank and Turn, and Hydraulic Surface Gyro Controls; Airborne and Shipborne Automatic Pilot Mechanisms; Helicopter Automatic Stabilization Equipment. <i>Excludes</i> Automatic Pilot Training Devices (FSC 6930); Automatic Pilot Mechanisms, Guided Missile (FSC 1420).</p>	<p>6630 Chemical Analysis Instruments <i>Includes</i> Acidity (pH) Meters; Gas Analyzers; Alkalinity Measuring Instruments; Colorimeters. <i>Excludes</i> Gas Detecting Equipment; Manual Gas Alarms; Chemicals; In Vitro Diagnostic Substances and Reagents.</p>
6620	<p>Engine Instruments NOTE: Instruments designed for use on both engines and other than engines are not included in this class and should be classified in the appropriate instruments class of group 66. <i>Includes</i> All Engine Instruments, including Aircraft, Marine, and Vehicular; Fuel Pressure Gages; Manifold Pressure Gages; Oil Pressure Gages; Fuel Mixture Indicators; Engine Oil and Fuel Warning Devices.</p>	<p>6635 Physical Properties Testing and Inspection <i>Includes Destructive and Nondestructive Inspection Equipment such as Fluorescent Penetrant Inspection Units; Magnetic Inspection Units; Industrial X-Ray Machines; Industrial X-Ray Film; Tensiometers; Material Hardness Testers.</i> <i>Excludes General purpose Measuring Tools (FSC 5210) and Precision Measuring Tools and Inspection Gages (FSC 5220)..</i></p>
6625	<p>Electrical and Electronic Properties Measuring and Testing Instruments NOTE: This class includes all "basic" types of electrical and electronic test instruments, such as ammeters, voltmeters, ohmmeters, multimeters, and similar instruments, even if specially designed. Excluded from this class by the modifier "except specially designed" are test instruments, other than "basic" instruments, which are specially designed for use with atomic ordnance, fire control, guided missile, motor vehicle, aircraft, or photographic equipment. Such specially designed test instruments are to be classified in other classes in the Federal Supply Classification. This class includes communications test equipment, infrared test</p>	<p>6636 Environmental Chambers and Related Equipment NOTE: This class includes only those environmental chambers used exclusively to perform controlled tests, under simulated conditions, to determine physical damage and/or changes in operating characteristics for equipment and components such as Humidity, Immersion, Moisture; Altitude; Explosion; Thermal Shock; Sand and Dust; Flammability; Seal. Environmental chambers included in this class provide data regarding service life and behavior of various items equivalent to actual service conditions existing in the field. <i>Includes</i> Chambers; Wind Tunnels; Enclosures specifically designed to simulate an environmental condition; Weather-ometers; Fadeometers; Specially designed equipment and components exclusively related to environmental chambers. <i>Excludes</i> General purpose prefabricated buildings, chambers, panels, and components (FSC 5410); Controlled Environmental Conditioning Kits and Sets</p>

	(FSC 4240); Baths (FSC 4510); Ovens (FSC 7310); Kilns (FSC 3630); Radiosonde Baseline Check Sets (FSC 6660); Divers Recompression Chambers (FSC 4220); Altitude Training Decompression Chambers (FSC 6930); and chambers used as training devices (FSC 6930); Checkout and Test Equipment (FSC 6625); Chemical Analysis Instruments (FSC 6630); Electrical and Electronic Properties Measuring and Testing Instruments (FSC 6625); Meteorological Instruments (FSC 6660).		
6640	Laboratory Equipment and Supplies <i>Includes</i> Laboratory Glassware; Laboratory Funnels; Laboratory Furnaces; Glass Beads; Laboratory White Sand; Litmus Paper; Paper Filters; Insect Transfixion Pins; Laboratory Glass Wool; Laboratory Furniture, except Dental Laboratory. <i>Excludes</i> Instruments covered by other classes in group 66; Dental Laboratory Equipment; Laboratory Scales and Balances; In Vitro Diagnostic Substances and Reagents.	6665	Hazard-Detecting Instruments and Apparatus <i>Includes</i> Radiac Equipment; Gas Detecting Equipment; Land Mine Detecting Equipment <i>Excludes</i> Manual Gas Alarms (FSC 6350).
6645	Time Measuring Instruments <i>Includes</i> Clocks; Job Recording Devices; Time Recorders; Time Stamps; Watch and Clock Movements; Watches.	6670	Scales and Balances <i>Includes</i> Coin Operated, Household, Industrial, Postal, and Laboratory Scales and Balances.
6650	Optical Instruments, Test Equipment, Components and Accessories <i>Includes</i> Binoculars; Magnifiers; Microscopes; Periscopes; Telescopes. Optical Elements, such as Lens, Prisms, Windows; Optical Benches and associated devices; Endoscopes, Fiber Optics (non-medical). <i>Excludes</i> Fire Control Instruments, Optical; Surveying Instruments, Optical; Photogrammetric Instruments; Octants and Sextants; Optical Instruments Integrated with Fire Control Equipment; Ophthalmo-logical Instruments; Electronic Fiber Optic Test Equipment; Medical Endoscopes.	6675	Drafting, Surveying, and Mapping Instruments <i>Includes</i> Drawing Instruments, Drafting Tools; Engineering and Architectural Scales; Levels; Transits; Photogrammetric Instruments; Astrolabes; Level Rods; Plane Tables; Surveying Altimeters; Theodolites. <i>Excludes</i> Surveyors' Tapes.
6655	Geophysical Instruments <i>Includes</i> Geodetic, Oceanographic, and Seismographic Instruments. <i>Excludes</i> Telescopes.	6680	Liquid and Gas Flow, Liquid Level, and Mechanical Motion Measuring Instruments <i>Includes</i> Liquid Level Float Instruments; Revolution Counters; Speedometers; Rotation Measuring Instruments and Apparatus; Oxygen Flow Indicators; Tachometers, including Engine Tachometers. <i>Excludes</i> Combination Instruments; (FSC 6695); Meteorological Instruments (FSC 6660); and Automatic Control Valves (FSG 48).
6660	Meteorological Instruments and Apparatus <i>Includes</i> Meteorological Balloons; Radiosonde Sets; Radarsonde Sets.	6685	Pressure, Temperature, and Humidity Measuring and Controlling Instruments <i>Includes</i> Thermometers, including Engine Thermometers; Pressure Gages; Thermocouple Leads; Resistance Bulbs. <i>Excludes</i> Clinical Thermometers; (FSC 6515); Thermostatic and Differential Pressure Switches (FSC 5930); and Meteorological Instruments (FSC 6660).
		6695	Combination and Miscellaneous Instruments <i>Includes</i> Flow-Pressure Instruments; Taximeters; Dynamometers. <i>Excludes</i> Dental, Medical, Surgical, and Veterinary Instruments.
			GROUP 67 Photographic Equipment
			NOTE: Included are computers (including computer assemblies, computer systems and components)

designed specifically for use with photographic equipment.

- 6710 Cameras, Motion Picture
Includes Aerial and Mapping Cameras.
Excludes Television Cameras, Nonairborne (FSC 5820); Television Cameras, Airborne (FSC 5821); Video Camera (FSC 5836).
- 6720 Cameras, Still Picture
Includes Aerial, Mapping, Microfilm, Photocopy, and Studio Cameras.
Excludes X-Ray Cameras (FSC 6525), and Industrial X-Ray Machine (FSC 6635).
- 6730 Photographic Projection Equipment
Includes Screens; Viewers; Photomap Projectors; Integrated Viewers/Printers and Microform Storage and Retrieval Systems.
- 6740 Photographic Developing and Finishing Equipment
Includes Editing Equipment; Enlargers; Driers; Pressures; Printers; Washers.
- 6750 Photographic Supplies
Includes Sensitized Photographic Paper; Special Purpose Photographic Chemicals; Unprocessed Film; Photoflash Lamps.
Excludes X-Ray Film (Medical Class 6525 or Industrial Class 6653); Electrographic (Facsimile) Paper for direct electrostatic printing or copying (FSC 7530).
- 6760 Photographic Equipment and Accessories
Includes Light Meters; Tripods; Filters; Range finders; Photographic Floodlight Fixtures; Lenses; Specialized Photographic Test Equipment.
Excludes Lamps (bulbs) (FSC 6240); Photoflash Lamps (FSC 6750).
- 6770 Film, Processed
Includes Motion Picture Film, Silent and Sound; Still Picture Film.
Excludes X-Ray Film (Medical class 6525 or Industrial class 6635); Training and Educational Film (FSC 6910); Processed Microfilm (FSC 7670).
- 6780 Photographic Sets, Kits, and Outfits

GROUP 68
Chemicals and Chemical Products

NOTE: In general, individual nonmedicinal chemical elements and compounds are classified in class 6810. Combinations (or mixtures) of chemical compounds, or chemicals prepared in a particular vehicle (other than water) are generally classified according to use, in classes other than 6810. For example, the chemical compound DDT, is classified in 6810, whereas DDT liquid spray, the insecticide is classified in 6840-Pest Control Agents and Disinfectants. Similarly, items of supply bearing nonchemical names such as BLEACH; INSECTICIDE, ROACH; and ANTIFREEZE are generally classified according to use, in classes other than 6810, whereas corresponding chemical compounds, such as sodium hypochlorite solution, chlordane, and ethylene glycol are classified in 6810. Medicinal chemicals are generally classified in 6505-Drugs and Biologicals; in vitro diagnostic substances and reagents are classified in 6550-In Vitro Diagnostic Substances, Reagents, Test Kits and Sets. Excluded from this group are liquid chemicals designed exclusively for use as propellant fuels and oxidizers.

- 6810 Chemicals
Includes Naphtha Solvents; Water Softening Compounds; Tanning Materials, Natural or Synthetic; Dextrines and Starches; Inedible Gelatins; Acetone; Propellant Chemicals, Bulk not specialized solely for Guided Missile Use.
Excludes Medicinal Chemicals; Gases; Foundry Dextrines; Radiographic and photographic Chemicals; In Vitro Diagnostic Substances and Reagents.
- 6820 Dyes
Includes Household Tints
- 6830 Gases: Compressed and Liquefied
Includes Fuel Gases.
Excludes Military Chemical Gases; Medical Gases; Empty Gas Cylinders and their caps, valves, and valve spare parts.
- 6840 Pest Control Agents and Disinfectants
Includes Insect Repellents; Fungicides; Insecticides; Rodenticides; Weed Killers.
Excludes Personal Deodorants.
- 6850 Miscellaneous Chemical Specialties
Includes Antifogging Compounds; Wetting Agents; Etching and Fountain Solutions for Lithographing; Blanket Repair Solutions for Lithographing; Antifreeze.

**GROUP 69
Training Aids and Devices**

NOTE: Included are computers (including computer assemblies, computer systems and components) designed specifically for use as, or with training aids and devices.

- 6910 Training Aids
Includes Mockups; Cutaway Models; Scale Models; Training Films; Training Aid Maps; Navigational Training Aids; Flight Instrument Training Aids; Aircraft Instrument Training Aids; Vehicle Training Aids; Engine Instrument Training Aids; Hydraulic System Training Aids; Cutaway, Mockup, or Sectionalized Ammunition only; Training Equipment normally used in classroom training.
Excludes Drill, Dummy, Exercise, Practice, or Simulated Ammunition and Weapons.
- 6920 Armament Training Devices
Includes Bombing Trainers; Gunnery Trainers; Tow Targets; Gunnery Targets; Guided Missile Training Sets.
Excludes Target Drones; Drones for such use as training, surveillance, missile evaluation, and photographic reconnaissance; Atomic Ordnance Training Devices; Training Aids; Drill, Dummy, Exercise, Practice, or Simulated Ammunition and Weapons.
- 6930 Operation Training Devices
Includes Link Trainers; Automatic Pilot Training Devices; Drift Meter Training Devices; Celestial Navigation Trainers; Dead Reckoning Navigation Trainers; Instrument Flying and Landing Trainers; Terrain Projection Trainers; All operational training devices except communication and armament.
Excludes Training Aids
- 6940 Communication Training Devices
Includes Supersonic Radar Trainers; Navigational Radar Trainers; Search and Detecting Radar Trainers; Code Practice Equipment.
Excludes Training Aids.

GROUP 70

Automatic Data Processing Equipment (Including Firmware), Software, Supplies and Support Equipment

- 7010 ADPE System Configuration
NOTE: A group of general purpose analog, digital, or hybrid electronic or electromechanical devices that are interconnected to operate as a system. Frequently referred to as an ADP system, although the term "system" is not considered definitive.
Includes an assembly of devices consisting of a central processing unit (CPU) and the necessary input/output devices, accessorial devices, analog measurement devices, software and/or firmware required to perform the desired objectives. Also includes sub-assemblies and units in which input/output devices, CPUs, and/or accessorial devices or components are incorporated into a single assembly or unit. A specially designed device incorporated into a system shall not influence the classification of the base assembly or unit.
- 7020 ADP Central Processing Unit (CPU, Computer), Analog
NOTE: An analog is a representation in one form of a physical condition existing in another form (e.g., the level of mercury in a tube represents temperature in a thermometer; the angular position of a needle represents speed on a speedometer). This class includes only CPUs that accept as inputs the electrical equivalent of physical conditions such as flow, temperature, pressure, angular position or voltage and perform computations by manipulating these electrical equivalents to produce results for further use.
- 7021 ADP Central Processing Unit (CPU, Computer), Digital
NOTE: Digital refers to the representation of discrete numbers, symbols and alphabetic characters by a predetermined, coded combination of electrical impulses. This class includes only CPUs that accept information represented by digital impulses. Specifically, a device capable of performing sequences of arithmetic and logic operations (a program) not only on data but also on the program which is contained in its internal memory (storage) without intervention of an operator.

7022 ADP Central Processing Unit (CPU, Computer), Hybrid
 NOTE: Hybrid refers to a combination of analog and digital capability as defined in classes 7020 and 7021 with conversion capability required for intercommunication.

7025 ADP Input/Output and Storage Devices
 NOTE: This class includes devices used to control and transfer information to and from a Computer (as modified). The input device is used for transferring data and instructions into a computer. The output device is used to transfer results of processing by the computer to ADP peripheral devices. Input/output devices combine the above functions in the same device. This class includes printers, display units, disk drive units (magnetic, optical and floptical), tape drive units, terminals, data entry devices and transfer units. Also includes Optical Compact Disk (CD) devices used for the storage and retrieval of data and firmware.

7030 ADP Software
 NOTE: Software is a series of instructions or statements in a form acceptable to a CPU, designed to cause the ADPE configuration to execute an operation or operations; or a collection of data in a form capable of being processed and operated on by a computer. Includes system programs, such as operating systems, assemblers, compilers, executive routines, interpreters, translators; utility programs, such as sort/merge programs, media conversion, maintenance diagnostic programs; and application programs, such as payroll, inventory control, and engineering analysis programs. Excludes software designed to Government specifications to satisfy the requirements of a particular user or for use with ADPE properly classifiable in an FSG other than FSG 70.
 Also excludes operating manuals and programmers' manuals properly classified in FSG 76.

7035 ADP Support Equipment
 NOTE: This class includes various devices and associated control units which are designed for use in combination or conjunction with an ADPE configuration but are not part of the configuration itself. ADP support equipment includes magnetic tape

testing, certifying, and cleaning equipment; disk pack testing, certifying and cleaning equipment; tape equipment, rewinders, splicers, and spoolers and card reconditioners. Included in this class are complete units and components of related general purpose commercially available support equipment which are not specifically designed for use as part of system such as a weapon system, control system, digital image processing system, missile system, communication system or navigation system. Also included are support control systems and components not specifically designed for use with process control such as automatic machine tool processing operations in which flow, pressure, temperature or other parameters are controlled by instrument regulations in automatic machine tool and process operations.

7040 Punched Card Equipment
Includes Collating machines, key punch machines, tabulating machines; verifiers; reproducers; summary punches, sorters; interpreters.
Excludes Card actuated machines designed for use with an ADPE system.

7042 Mini and Micro Computer Control Devices
Includes Mini or micro computers used as control mechanisms where computer technology is essential in controlling, monitoring, measuring, and directing processes, devices, instruments or other equipment.
Excludes Mini and micro computer control devices which are designed specifically for use in and/or integral to higher order systems, e.g., aircraft fire control systems, numerically controlled machine tools, sequence controlled printing equipment, motion measuring instruments, office information system equipment; and the like.

7045 ADP Supplies
 NOTE: This class includes ADP tape seal bands, reels and hubs, carrying cases, canisters, and the like. Also includes all nonrecorded magnetic recording media deigned to be used with ADP equipment, such as magnetic tape, removable disk packs, magnetic cards, cassettes and diskettes. Also includes Optical Disks used for the storage of data.

7050 ADP Components
 NOTE: This class includes ADP component assemblies that are parts of analog, digital or hybrid data processing devices. Excluded from the class are items for which more specific classifications are suitable. The FSC structure and indexes will govern the classification of those items permitted classification in a single class only.

**GROUP 71
 Furniture**

7105 Household Furniture
Includes Bedsprings, Open Style (All-metallic); Folding Chairs; Camp Furniture; Mirrors, Wall Mounting and Furniture Types; Smoking Stands.
Excludes Hospital Beds and Bedsprings; Ash Trays; Mattresses; Bedsprings, Box Style (Fabric Covered).

7110 Office Furniture
Includes Filing Cabinets; Safes; Post Office Furniture; School Furniture; Blackboards.
Excludes Dental X-Ray Film Protective Safes; Visible Record Equipment.

7125 Cabinets, Lockers, Bins, and Shelving
Includes Kitchen Cabinets; Sectional Shelving.
Excludes Foot Lockers; Filing Cabinets.

7195 Miscellaneous Furniture and Fixtures
Includes Stone, Clay, and Concrete Furniture; Auditorium and Theater Furniture; Library Furniture; Cashier Stands

**GROUP 72
 Household and Commercial Furnishings and Appliances**

7210 Household Furnishings
Includes Household furnishings of Textiles, Plastics, Paper, Rubber, and other materials; Sheets, Pillows, Blankets, and other Bedding; Insect Bars; Tablecloths; Towels; Steamer Rugs; Mattresses; Bedsprings, Box style (Fabric Covered); Bedspring and Mattress Sets.
Excludes Floor Coverings; Curtains; Draperies; Paper Napkins; Paper Dollies; Bedsprings, Open Style (All-Metallic).

7220 Floor Coverings
Includes Linoleum; Rubber and Asphalt Tile; Carpets; Rugs; Rug Pads.
Excludes Vehicular Floor Mats.

7230 Draperies, Awnings, and Shades
Includes Curtains; Specialized Hardware and Fittings for Curtains, Draperies, Venetian Blinds, and Window Shades.

7240 Household and Commercial Utility Containers
Includes Refuse Cans; Sprinkling Cans; Clothes Hampers; Household Basket; Fabric Utility Containers.

7290 Miscellaneous Household and Commercial Furnishings and Appliances
Includes Fireplace Sets; Vases and Urns; Household Sewing Machines.

**GROUP 73
 Food Preparation and Serving Equipment**

7310 Food Cooking, Baking, and Serving Equipment
 NOTE: This class includes warming and/or chilling equipment used for the display and serving of food.
Includes Warming and/or Chilling Tables, Stationary and Portable; Serving Carts; Field and Mobile Baking Ovens; Toasters; Waffle Irons; Grills; Special Aircraft, Marine, and Railway Type Food Cooking Equipment; Utensils with Integral Heating Units; Cafeteria Type Display Cases and Showcases; Soda Fountains; Milk, Soda, and/or Ice Cream Dispensers; Cold Food Counters; Combination Heated-Refrigerated Food Serving Equipment; Carbonators; and other types of refrigerated food serving and display equipment commonly used in cafeterias, mess hall kitchens, and the like.
Excludes Carts other than Serving; Commissary or Food Store Type Refrigeration Equipment; Commercial Household, or Professional and Scientific Refrigerators; Drinking Fountains; (see class 4110 for items excluded from class 7310).

7320 Kitchen Equipment and Appliances
Includes Dishwashing Machines; Food Slicing Machines; Food Mixers; Utility Carts Specially designed for use in Kitchen and

Dining Area.

Excludes Sinks; Serving Carts (see class 7310 for Food Serving Carts).

- 7330 Kitchen Hand Tools and Utensils
Includes Pots; Pans; Can Openers; Graters; Food Mashers; Cleavers; Vacuum Bottles and Jugs.
Excludes Utensils with Integral Heating Units; Knives; Forks; Spoons.
- 7340 Cutlery and Flatware
Includes Knives; Forks; Spoons; Hunting Knives.
- 7350 Tableware
Includes China and Earthenware; Glassware; Paper Plates and Cups
- 7360 Sets, Kits, Outfits and Modules Food Preparation and Serving

GROUP 74

Office Machines, Text Processing Systems and Visible Record Equipment

- 7420 Accounting and Calculating Machines
Includes Accounting and adding machines and electronic calculators.
Excludes Punched card system machines; Machines or devices that can be applied to a variety of problems by the internal execution of a series of instructions, not limited to specific keystroke functions, but controlled by a general purpose data processing language.

- 7430 Typewriters and Office Type Composing Machines
Includes Typewriters and office type composing machines with built-in electric/electronic functions such as margins, headings, tabs, centering and related actions.
Excludes Typewriters and office type composing machines which are designed primarily for use as a component of an ADPE system or that are user programmable, and that can be applied to a variety of applications by the internal execution of a series of instructions, not limited to specific keystroke functions, but controlled by some form of general purpose data processing language.

- 7435 Office Information System Equipment
Includes Minicomputer and microcomputer controlled systems specifically designed for user programmable processing of the office information application; Connected peripheral equipment; Automatic repetitive typewriters; Text editing typewriters and video display text editing typewriters.
Excludes General purpose ADPE which is designed primarily to be applied through the internal execution of a series of instructions, not limited to specific keystroke functions, but controlled by a general purpose data processing language, to process a variety of applications such as financial management, logistics, scientific, communications, and the like.

- 7450 Office Type Sound Recording and Reproducing Machines
Includes Dictating Machines; Transcribing Machines; Combination Dictating and Transcribing Machines.

Excludes Communication Type Sound Recording and Reproducing Machines.

- 7460 Visible Record Equipment
Includes Manually operated and power operated visible record equipment; visible index files, rotary and stationary; specially designed components, such as Wire and Bar Pockets, Cover Plates, Stop Wires, and Channel Stops; Control Boards; Binder Racks; devices and systems designed to automatically store and retrieve hard copy documents. For those microform automatic retrieval systems that contain an integral viewer or view/printer, see Class 6730.

- 7490 Miscellaneous Office Machines
Includes Addressing Machines; Check Handling Machines; Coin Counting Machines; Mailing Machines; Currency Handling Machines.
Excludes Pencil Sharpeners; Staplers, Office Type; Duplicating Equipment.

GROUP 75

Office Supplies and Devices

- 7510 Office Supplies
Includes Crayons; Erasers; File Holders; Writing Ink; Printing Ink; Paper Fasteners; Pencils; Penholders and Pen Points; Rulers, Office Type; Art Supplies; Tape, Pressure Sensitive Adhesive
Excludes Office Devices; Fountain Pens; Artists' Brushes; Paper Stationery; Record Forms; Mechanical Pencils.

- 7520 Office Devices and Accessories
Includes Copyholders; Fountain Pens and Pen Desk Sets; Pencil Sharpeners; Paper Punches; Staplers, Office Type; Artists' Accessories, such as Easels, Airbrushes; Slide Rules.

- 7530 Stationery and Record Forms
Includes Business Forms; Record Books; Surveyors' Computation Forms; Electric Accounting Machine (EAM) Cards; Forms approved for use within individual government activities.
Excludes Standard forms approved for government-wide use.

- 7540 Standard Forms
Includes Only those standard forms

approved for government-wide use by the government activities empowered to do so (such as the U.S. Bureau of the Budget and the U.S. General Accounting Office, and similar organizations in other NATO countries).
Excludes Forms approved for use within individual government activities.

GROUP 76

Books, Maps, and Other Publications

- 7610 Books and Pamphlets
Includes Technical and Nontechnical Books and Pamphlets; Regulations; Instruction Manuals; Technical Orders.
Excludes Sheet and Book Music; Periodicals; Bibles.
- 7630 Newspapers and Periodicals
- 7640 Maps, Atlases, Charts, and Globes
Excludes Training Aid Maps.
- 7641 Aeronautical Maps, Charts and Geodetic Products
- 7642 Hydrographic Maps, Charts and Geodetic Products
- 7643 Topographic Maps, Charts and Geodetic Products
- 7644 *Digital Maps, Charts and Geodetic Products***
- 7650 Drawings and Specifications
Includes Federal, Military, and Departmental Specifications
- 7660 Sheet and Book Music
Excludes Hymn books
- 7670 Microfilm, Processed
- 7690 Miscellaneous Printed Matter
Includes Decals; Printed Posters; Printed Labels.
Excludes Sheet and Book Music.

GROUP 77

Musical Instruments, Phonographs, and Home Type Radios

- 7710 Musical Instruments
 NOTE: This class includes only complete

musical instruments. Assemblies, parts, attachments, or accessories for use in or on musical instruments are classified in classes other than this class.
Excludes Phonographs; Radios; Television Sets.

- 7720 Musical Instrument Parts and Accessories
Includes Instrument Cases; Music Stands; Tuning Forks.
- 7730 Phonographs, Radios, and Television Sets: Home-Type
 NOTE: This class includes only complete home-type phonographs, complete home-type radios, and complete home-type television sets. End items, assemblies, parts, attachments, or accessories for use in or on the above are classified in classes other than this class.
Includes Combination Sets.
Excludes Coin Operated Phonographs; Wire and Tape Recorders.
- 7740 Phonograph Records
Excludes Training Aid Records.

GROUP 78

Recreational and Athletic Equipment

- 7810 Athletic and Sporting Equipment
Includes Baseball Equipment; Basketballs; Boxing Gloves; Fencing Masks; Fishing Tackle, except Commercial; Handballs; Shin Guards, Hockey.
Excludes, Athletic, and Sports Clothing.
- 7820 Games, Toys, and Wheeled Goods
Includes Baby Carriages; Checkers; Doll Carriages; Dolls; Playing Cards; Velocipedes; Handicraft Kits, not elsewhere classifiable.
- 7830 Recreational and Gymnastic Equipment
Includes Slides; Swings; Amusement Park and Shooting Gallery Equipment; Play Yard and Playground Equipment; Billiard and Pool Tables and Equipment; Gymnasium Equipment.

GROUP 79

Cleaning Equipment and Supplies

- 7910 Floor Polishers and Vacuum Cleaning Equipment
Includes Domestic and Industrial Vacuum Cleaning Equipment; Carpet Sweepers.
Excludes Self-propelled and Trailer Mounted Vacuum Cleaners.
- 7920 Brooms, Brushes, Mops, and Sponges
Includes Squeegees; Whisk Brooms.
Excludes Hair Brushes; Toothbrushes; Paint and Artists' Brushes.
- 7930 Cleaning and Polishing Compounds and Preparations
Includes Scouring Powders; Washing Compounds; Detergents; Nontilet Soaps; Automobile Household Polishes and Waxes.
Excludes Shaving Soap; Toilet-Soap; Abrasive Polishing Compounds; Metal Finishing Abrasives; Surgical Detergents

GROUP 80
Brushes, Paints, Sealers, and Adhesives

- 8010 Paints, Dopes, Varnishes, and Related Products
Includes Water Paints; Oil Paints; Driers; Wood and Wall Fillers; Lacquers, Paint Sealers; Pigments for Coloring; Stains; Turpentine; Paint Removers.
Excludes Acetone.
- 8020 Paint and Artists' Brushes
Excludes Airbrushes.
- 8030 Preservative and Sealing Compounds
Includes Fire Resistant Compounds; Water Resistant Compounds; Weather Resistant Compounds; Belt Dressing; Antiseize Compounds; Caulking and Glazing Compounds; Putties.
Excludes Food Preservative Compounds.
- 8040 Adhesives
Includes Glue; Mucilage; Sizes; Adhesive Cements.

GROUP 81
Containers, Packaging, and Packing Supplies

NOTE: A chest, case, box, roll, bag, or other container, when specifically designed for housing of a

set, kit, outfit, or individual item (with or without attachments or spares), for its protection when not in use, or for the convenience of the user, is classified in the same class as the item or items for which designed, or in such other class as is appropriate. However, when the chest, case, box, roll, bag, or other container is primarily a shipping container, it is classified in group 81.

- 8105 Bags and Sacks
Includes Shipping and Protective Envelopes; Liners for Bags and Sacks; Textile and Paper Laminated Shipping Bags; Closures for Bags and Sacks.
- 8110 Drums and Cans
Includes Barrels; Kegs, Shipping and Storage Pails; Collapsible Tubes; Mailing and Filing Tubes; Closures for Drums and Cans.
- 8115 Boxes, Cartons, and Crates
Includes Shoe Boxes; Beer Cases; Pill Boxes; Piano Cases; Engine Boxes; Bombsight Boxes.
Excludes Special boxes, packages, and containers designed primarily for shipping, storage and handling of ammunition, nuclear ordnance, explosives, guided missiles, military chemical agents; and repairable /reusable containers specially designed for specialized equipment such as the "Shipping and Storage Containers" for components of aircraft, space vehicles, automotive vehicles, ships, ground communication equipment.
- 8120 Commercial and Industrial Gas Cylinders
NOTE: This class includes empty commercial and industrial gas cylinders and their caps, valves, and valve spare parts.
Excludes filled gas cylinders and items related to gaseous and liquefied gaseous dispensing systems, both mobile and installed. All components of installed gas dispensing systems are classified by "application" or "function" with the end equipment for which designed.
- 8125 Bottles and Jars
Includes Shipping Jugs and Carboys; Ampoules.
- 8130 Reels and Spools
- 8135 Packaging and Packing Bulk Materials
Includes Wrapping Paper; Moisture Vapor

<p>Barrier Paper; Excelsior; Wadding for Packing; Corrugated Paper; Baling Bands, Baling Ties; Shipping Tags; Gummed Paper Tape; Separators; Box Liners; Packaging Staples; Baling Wire; Preformed Cushioning Inserts; <i>Excludes</i> Adhesives; Aluminum Foil other than for food handling and processing.</p>	8305	<p>Textile Fabrics NOTE: This class includes only textiles in bulk. Excluded from this class are items that are precut or preformed, thus limiting their usefulness to specific applications. Such items are classified in the same class as the item or items for which designed or in such other class as is appropriate. <i>Includes</i> Canvas Materials; Plastic Fabrics; Felt Materials; Netting, Plastic and Textile; Oilcloth, Textile Scrap. <i>Excludes</i> Carpeting.</p>	
8140		8310	<p>Yard and Thread</p>
<p>Ammunition and Nuclear Ordnance Boxes, Packages and Special Containers NOTE: This class includes only containers and fittings which are specifically designed for the storage, handling, and shipping of ammunition, explosives, and military chemical agents. <i>Includes</i> All shipping and storage containers specially designed for guided missiles, major missile sections, missile warheads, and other guided missile components. <i>Excludes</i> General Purpose Containers, Shipping and storage reusable/repairable containers specially designed for components of aircraft, space vehicles, automotive vehicles, ships, and ground communication equipment.</p>		8315	<p>Notions and Apparel Findings <i>Includes</i> Buttons; Dressmakers' Pins; Needles; Shoulder Pads; Embroideries; Stamped Art Goods for Embroidery and Art Needlework; Hair Nets; Sewing Kits. <i>Excludes</i> Yarn; Thread; General Purpose Buckles.</p>
8145		8320	<p>Padding and Stuffing Materials <i>Includes</i> Feathers and Downs, Processed; Spanish Moss, Processed; Cotton Wadding and Batting; Kapok. <i>Excludes</i> Feathers and Downs, Unprocessed.</p>
<p>Specialized Shipping and Storage Containers NOTE: This class includes only reusable and repairable containers specially designed for shipping and storage of specialized equipment; i.e., shipping and storage containers for components of aircraft, space vehicles, automotive vehicles, ships, ground communication equipment, etc. <i>Includes</i> Specially designed components (not elsewhere classifiable) peculiar to special shipping and storage containers as delimited under this class. <i>Excludes</i> General purpose containers; specially designed containers for ammunition, nuclear ordnance, explosives, military chemical agents and guided missile components. Excluded from this class are items for which more specific classifications are suitable. The FSC indexes and structure will govern the classification of those items permitted classification in a single class only.</p>		8325	<p>Fur Materials NOTE: This class includes only fur materials in bulk. Excluded from this class are items that are precut or performed, thus limiting their usefulness to specific applications. Such items are classified in the same class as the item or items for which designed, or in such other class as is appropriate. <i>Includes</i> Crosses; Sacs; Fur Plates; Fur Mats.</p>
		8330	<p>Leather <i>Includes</i> Garment Leather; Patent Leather; Glove Leather; Shoe Leather; Upholstery Leather; Industrial Leather. <i>Excludes</i> Belting; Shoe Findings.</p>
		8335	<p>Shoe Findings and Soling Materials <i>Includes</i> Counters; Taps; Shoe Laces; Lasts and Last Sole Patterns; Ornamental Shoe Buckles and Bows.</p>
		8340	<p>Tents and Tarpaulins NOTE: Fitted covers which are specifically designed for use on or with specific</p>
<p>GROUP 83 Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags</p>			

individual types of equipment are excluded from this class and are to be classified in the same classes as the items for which they are designed, or in such other classes as are appropriate.

Includes Tent Pins; Tent Poles; Multiple purpose covers of woven or unwoven fabrics, not for permanent installation.

- 8345 Flags and Pennants
Includes Signalling Flags, Flagstuffs; Signal Shapes; Flagpoles; Flagstaff Trucks; Speed Cones; Flagstaff Belts; Semaphore Flags.

GROUP 84

Clothing, Individual Equipment, and Insignia

NOTE: Where applicable, clothing items which are intended for use by both men and women are classified in the appropriate "men's" class.

- 8405 Outerwear, Men's
Includes Uniforms, Military and Nonmilitary; Civilian Outerwear; Headwear; Work Clothing (Ordinary Nonsafety); Shirts; Trousers; Coats.
Excludes Items included in other classes such as Special Purpose Clothing; Helmets, Steel and Plastic; Safety Clothing; Handwear; Footwear.

- 8410 Outerwear, Women's
Includes Uniforms, Military and Nonmilitary; Civilian Outerwear; Headwear; Work Clothing (Ordinary Nonsafety); Shirts; Skirts; Blouses.
Excludes Items included in other classes such as Special Purpose Clothing; Helmets, Steel and Plastic; Safety Clothing; Handwear; Footwear.

- 8415 Clothing, Special Purpose
NOTE: This class includes conventional winter, summer, and intermediate flight clothing ensembles and their components. Excluded from this class are specialized antiexposure, antigravity, partial pressure, and full pressure, flight ensembles and their specialized components.
Includes Special Purpose Headwear, including Helmets, except Ballistic Protective; Safety and Protective Clothing; Athletic Clothing; Safety, Combat, Protective, and Work Gloves; Submarine Deck Exposure Clothing; Flight Clothing

Components designed for use with both Specialized and Conventional Ensembles.
Excludes Sporting and Athletic Gloves; Athletic Footwear; Safety Footwear; Personal Armor; Special Hospital and Surgical Clothing.

Excludes special purpose clothing wherein the primary purpose is ballistic resistant protection. This class will include common use components of both ballistic and conventional end items.

- 8420 Underwear and Nightwear, Men's
- 8425 Underwear and Nightwear, Women's
Includes Corsets; Girdles.
- 8430 Footwear, Men's
Includes Rubber Footwear; Athletic Footwear; Safety Footwear; Submarine Deck Exposure Footwear.
- 8435 Footwear, Women's
Includes Rubber Footwear; Athletic Footwear; Safety Footwear.
- 8440 Hosiery, Handwear, and Clothing Accessories, Men's
Includes Handkerchiefs; Suspenders; Garters; Belts; Dress Handwear; Leggings, Nonsafety Type.
- 8445 Hosiery, Handwear, and Clothing Accessories, Women's
Includes Handkerchiefs; Garters; Belts; Neckerchiefs; Handbags; Dress Handwear; Leggings, Nonsafety Type.
- 8450 Children's and Infants' Apparel and Accessories
Includes Footwear; Outerwear; Headwear; Handwear; Underwear; Nightwear.
- 8455 Badges and Insignia
NOTE: This class includes only items worn or carried on the person.
Excludes Nonpersonal Insignia.
- 8460 Luggage
Includes Foot Lockers; Brief Cases; Trunks; Suitcases.
Excludes Duffel Bags; Musette Bags.
- 8465 Individual Equipment
Includes Musette Bags; Duffel Bags; Ammunition Belts; Pistol Belts; Handcuffs;

Packboards; Sleeping Bags; Knapsacks; Hikers' Packs; Sunglasses; Skis; Snowshoes; Swords with Scabbards.
Excludes Toilet Articles; Mess Gear; Fabric Utility Containers.

8470 Armor, Personal
Includes Clothing specially designed for use as personal armor.
Excludes all specialized flight clothing and accessories which may contain ballistic resistant properties as a secondary function. Excludes special purpose clothing wherein the primary function is for purpose other than ballistic protection.

8475 Specialized Flight Clothing and Accessories
Includes Specialized Antiexposure, Antigravity, Partial Pressure, and Full Pressure Ensembles, and Specialized Components therefor, including Unpressurized Protective Helmets, Eye Protective Devices, and items with Sound Attenuating Features.
Excludes Conventional Winter, Summer, and Intermediate Flight Clothing Ensembles, and Components therefor; Components designed for use with both Specialized and Conventional Flight Clothing Ensembles.

**GROUP 85
Toiletries**

NOTE: Excluded from this group are medicated cosmetics and toiletries that have been determined to be drugs in accordance with the Federal Food, Drug, and Cosmetic Act. For medicated cosmetics and toiletries, see class 6508.

8510 Perfumes, Toilet Preparations, and Powders
Includes Colognes; Cosmetics; Deodorants; Depilatories; Toilet Waters.

8520 Toilet Soap, Shaving Preparations, and Dentifrices
Includes Toothpaste; Shaving Soap.
Excludes Medicated Soaps.

8530 Personal Toiletry Articles
Includes Hair Brushes; Nail Brushes; Nail Files; Toothbrushes; Manicure and Pedicure Implements; Razors and Blades.
Excludes Dental Floss.

8540 Toiletry Paper Products
Includes Facial Tissues; Paper Toilet Seat Covers; Toilet Paper; Paper Napkins; Doilies.
Excludes Towel Dispensers; Paper Plates and Cups.

**GROUP 87
Agricultural Supplies**

8710 Forage and Feed
Includes Hay; Manufactured Feed; Straw; Zoological Animal Food.

8720 Fertilizers
Includes Natural and Synthetic Fertilizers; Peat Moss; Animal Manures.

8730 Seeds and Nursery Stock
Includes Cut Flowers.

**GROUP 88
Live Animals**

8810 Live Animals, Raised for Food

8820 Live Animals, Not Raised for Food

**GROUP 89
Subsistence**

NOTE: Subsistence items which are specifically prepared for dietetic use are classified in class 8940. Nondietetic foods, even though they bear the same approved item names as corresponding dietetic foods, are classified in classes other than 8940.

8905 Meat, Poultry, and Fish
Includes Game Birds; Shellfish; Sausage Casings.

8910 Dairy Foods and Eggs
Includes Ice Cream; Frozen Custards; Ice Cream Mixes; Rennet; Milk Sherbets; Ices.

8915 Fruits and Vegetables
Includes Baked Beans; Juices.

8920 Bakery and Cereal Products
Includes Flour; Prepared Flour; Prepared Cereals; Macaroni.

8925 Sugar, Confectionery, and Nuts

- Includes* Candy; Chewing Gum; Honey; Maple Syrup.
- 8930 Jams, Jellies, and Preserves
- 8935 Soups and Bouillons
- 8940 Special Dietary Foods and Food Specialty Preparations
Includes Infant Foods; Potato Chips; Prepared Pie and Cake Fillings.
- 8945 Food, Oils and Fats
- 8950 Condiments and Related Products
Includes Salad Dressings; Spices; Seasonings; Flavoring Extracts; Yeast; Olives.
- 8955 Coffee, Tea, and Cocoa
Includes Postum; Yerba Mate; Chicory.
- 8960 Beverages, Nonalcoholic
Includes Soft Drinks; Ice.
- 8965 Beverages, Alcoholic
Includes Beer; Whisky; Wine; Liqueur.
Excludes Sacramental Wine and Medicinal grade Brandy, Whisky, and Wine.
- 8970 Composite Food Packages
Includes Ration Packs and Emergency Rations; CARE Packages.
- 8975 Tobacco Products
Includes Snuff; Cigarettes; Cigars.

**GROUP 91
Fuels, Lubricants, Oils, and Waxes**

- 9110 Fuels, Solid
Includes Ration Heating Tablets; Cordwood; Charcoal; Briquettes; Coke.
Excludes Peat.
- 9130 Liquid Propellants and Fuels, Petroleum Base
NOTE: This class includes liquid propellants with more than 50% or higher petroleum content.
Includes All Aviation Gasoline; JP-1, 3, 4, and 5 Jet Fuel; Combat Vehicle and Automotive Gasoline (all types and grades); Liquid Propellants, Bulk; Liquid Propellants, predetermined to specify quantity and

quality, packaged in reusable containers.
Excludes Solid Propellants; Liquid Propellants, encased in consumable containers, for insertion into missile propulsion systems as integral parts.

- 9135 Liquid Propellant Fuels and Oxidizers, Chemical Base
NOTE: This class includes liquid propellants with more than 50% or higher chemical content.
Includes Liquid chemicals designed exclusively for use as propellant fuels and oxidizers; Liquid Propellants, Bulk; Liquid Propellants, predetermined to specific quantity and quality, packaged in reusable containers
Excludes Multiple-use chemicals, such as Nitrogen, Technical; Ammonia, Technical; Furfuryl Alcohol, Technical; Aniline, Technical, Solid Propellants; Liquid Propellants, encased in consumable containers for insertion into missile propulsion systems as integral parts.

- 9140 Fuel Oils
Includes Light Burner Fuels; Diesel Fuels, Kerosene; Military Specification Type Residuals; Special and Heavy Grade Turbine Vessel Propulsion Fuels; Federal Specification Heavy Burner Fuels; Bunker "C" Commercial Grade Fuel; Heavy Fuel and other Black (Boiler Type) Fuels; Illuminating Oils.

- 9150 Oils and Greases: Cutting, Lubricating, and Hydraulic
Includes Petrolatum, except USP.
Excludes Rust Preventive Compounds; Antiseizing Compounds; Petrolatum USP.

- 9160 Miscellaneous Waxes, Oils, and Fats
Includes Animal, Vegetable, and Petroleum Waxes; Wool Grease (Lanolin); Tallow; Marine Oils; Coconut Oil; Soap Stock; Essential Oils, except USP or NF grades.
Excludes Edible Fats and Oils; Household and Automobile Waxes.

**GROUP 93
Nonmetallic Fabricated Materials**

- 9310 Paper and Paperboard
Includes Book Paper Stock; Newsprint; Paperboard; Bulk Paper Materials.

	<i>Excludes</i> Corrugated Paper; Wrapping Paper; Building Board; Insulating Board; Stationery; Construction Paper; Paper Towels; Facial Tissues; Blank Books; Containers; Shipping and Identification Tags.		Rubber.
9320	Rubber Fabricated Materials <i>Includes</i> Natural and Synthetic Rubber Fabricated Materials, such as Rubber Sheets, Structural Rubber Shapes, Strips.	9450	Nonmetallic Scrap, Except Textile
9330	Plastics Fabricated Materials <i>Includes</i> Cellulose Acetate and other plastics; Bars, Rods, Sheets, and Strips. <i>Excludes</i> Cable, Fiber Optic.		
9340	Glass Fabricated Materials <i>Includes</i> Glass Rods, Bars, and Tubing; Optical Glass Blanks; Structural and Building Glass; Glass Blocks. <i>Excludes</i> Insulators (FSC 5970); Ophthalmic Glass Blanks (FSC 6540); and Cable, Fiber Optics (FSCs 6015 and 6615).		
9350	Refractories and Fire Surfacing Materials		
9390	Miscellaneous Fabricated Nonmetallic Materials <i>Includes</i> Cork Fabricated Basic Materials; Asbestos Fabricated Materials; Manufactured Mica; Minerals for scientific and technical use (cut but not mounted); Pottery Supplies; Catgut and Wormgut; Vegetable Brush Fibers; Bagasse.		
	GROUP 94 Nonmetallic Crude Materials		
9410	Crude Grades of Plant Materials <i>Includes</i> Flavoring Materials; Crude Drugs of Plant Origin; Crude Materials for Perfume; Tobacco; Unmanufactured.		
9420	Fibers: Vegetable, Animal, and Synthetic <i>Includes</i> Cotton, Wool, Silk, Horsehair, Rayon, and Nylon Fibers.		
9430	Miscellaneous Crude Animal Products, Inedible <i>Includes</i> Feathers and Downs, Unprocessed; Ivory; Bristles; Hides and Fur Skins, Crude.		
9440	Miscellaneous Crude Agricultural and Forestry Products <i>Includes</i> Cereal Grains; Sugar Crops; Crude		
			GROUP 95 Metal Bars, Sheets, and Shapes
		9505	Wire, Nonelectrical NOTE: This class contains bulk material only. Specially designed items should be placed in a more appropriate class. Wire is a thin, flexible, continuous length of metal, usually of circular cross-section. Bulk Nonelectrical Wire Excludes Wire having electrical resistivity or conductivity rating (FSC 6145).
		9510	Bars and Rods NOTE: This class contains bulk material only. Specially designed items should be placed in a more appropriate class. a. Bars are elongated pieces of metal of simple uniform cross-sections usually rectangular, circular, or hexagonal produced by forging or hotrolling, also known as barstock. b. Rods are thin round metal bar, differentiated by dimensional parameters, listed in the item name definition. Includes Metal Bars and Rods Excludes Muck Bar (FSC 9640); Rods for Wire (FSC 9640); Sheet Bar (FSC 9640); Threaded Rods (FSC 5306); Grooved Rod (FSC 5340).
		9515	Plate, Sheet, Strip, Foil, and Leaf NOTE: This class contains bulk material only. Specially designed items should be placed in a more appropriate class. The items covered by this class are all similar in that they are flat, generally rolled metal, the difference is covered by dimensional parameters in the item name definition. Includes Armor Plate; Black Plate; Floor Plate; Leaf ; Perforated Sheet and Strip; Shim Stock. Excludes Bale Ties (FSC 8135); Baling Bands (FSC 8135); Mending Plates (FSC 5340); Mounting Plates (FSC 5340); TPlates (FSC 5340).
		9520	Structural Shapes NOTE: This class contains bulk material

only. Specially designed items should be placed in a more appropriate class. This class includes items usually used in building, bridge and similar construction, such as, I beams, angles, and the like.
Includes Bar Size Shapes (under 3 inches); Metal Piles and Piling; **Angles; Channels; Tees; Zees.**
Excludes Plate, Sheet and Strip Materials (FSC 9515).

- 9525 Wire, Nonelectrical, Nonferrous Base Metal
Excludes Wire having electrical resistivity or conductivity rating.
- 9530 Bars and Rods, Nonferrous Base Metal
- 9535 Plate, Sheet, Strip, and Foil: Nonferrous Base Metal
Includes Leaf; Perforated Sheet and Strips.
- 9540 Structural Shapes, Nonferrous Base Metal
Includes Angles; Channels; Tees; Zees.
- 9545 Plate, Sheet, Strip, Foil, and Wire: Precious Metal
Includes Bars; Leaf; Ribbon, Rods; Tubing.
Excludes Precious Metals for dental use.

GROUP 96
Ores, Minerals, and Their Primary Products

- 9610 Ores
NOTE: Only bulk material will be identified in this class. Ores are a naturally occurring material from which economically valuable minerals can be obtained.
Includes Buxite; Ferrous Ores; Lead Ores; Precious Metal Ores; Radioactive Metal Ores; Zinc Ores.
- 9620 Minerals, Natural and Synthetic
NOTE: Only bulk material will be identified in this class. Minerals are naturally occurring substances with a characteristic chemical composition that can be expressed by a formula.
Includes Clays and other Earths; Mica; Asbestos; Crude Petroleum; Graphite.
Excludes Gravel (**FSC 5610**); Sand (**FSC 5610**); Abrasives (**FSC 5350**); Refractory Clays (**FSC 9350**).
- 9630 Additive Metal Materials

NOTE: Only bulk material will be identified in this class. Additive metal materials are those which are added to metals to improve their characteristics as required (e.g., lead added to steel to improve the machinability).
Includes Alloying additives (Aluminum, Antimony, Copper, and Others).
Excludes Fuel Inhibiting Additives (**FSC 6850**).

- 9640 Iron and Steel Primary and Semifinished Products
NOTE: Only bulk material will be identified in this class. a. Primary products are raw unfinished ingots, pigs, that require refinement to be usable. b. Semi-finished items are primary products that have been refined to a state that requires further manufacturing processes to its final, usable state.
Includes Ingots; Pigs; Billets; Blooms; Muck Bar; Rods for Wire; Sheet Bar; Skelp; Tube Rounds.
- 9650 Nonferrous Base Metal Refinery and Intermediate Forms
NOTE: Only bulk material will be identified in this class. a. Refinery Forms are raw unfinished ingots, pigs, that require refinement to be usable. b. Intermediate forms are primary products that have been refined to a state that requires further manufacturing processes to its final, usable state.
Includes Ingots; Slabs.
- 9660 Precious Metals Primary Forms
NOTE: Only bulk material will be identified in this class. Primary Forms are raw unfinished ingots, pigs, that require refinement to be usable and are made of precious metals.
Includes Bullion; Ingot.
- 9670 Iron and Steel Scrap
- 9680 Nonferrous Scrap

GROUP 99
Miscellaneous

- 9905 Signs, Advertising Displays, and

Identification Plates

Includes Electric Signs; Sign Boards; Display Stands; Mannequins and other display forms; Printed Signs; General Purpose Identification Tags and Blanks, Nonpersonal; Plates and Tags for specific applications.

9910 Jewelry

Includes Jewelers' Findings; Precious Stones, Cut; Costume Jewelry; Natural Gems and Ornamental Stones, Cut.
Excludes Watches; Clocks; Tableware; Scientific Instruments; Toilet Articles; Smokers' Articles; Industrial Diamonds.

9915 Collectors and/or Historical Items

Includes Antiques; Artifacts; Coins; Stamps; Rare Books; Work of Art, Collectors and/or Historical Gems; Jewelry, and Cut Precious Stones; Natural History Items.

9920 Smokers' Articles and Matches

Includes Cigarette Lighters; Lighter Fluid; Pipe Reamers; Ash Trays; Tobacco Humidors; Packaged Cigarette Paper.
Excludes Ash receivers and lighters specifically designed for installation in or on equipment.

9925 Ecclesiastical Equipment, Furnishings, and Supplies

Includes Vestments; Altars; Communion Sets; Ecclesiastical Candelabra; Chalices; Patens; Altar Clothes; Ecclesiastical Statuary; Sacramental Wine.

9930 Memorials; Cemeterial and Mortuary Equipment and Supplies

Includes Grave Markers; Burial Vaults; Burial Urns; Caskets; Burial Boxes; Morticians' Supplies; Monuments; Casket Shipping Cases.
Excludes Hearses; Mortuary Refrigerators.

9999 Miscellaneous Items

Includes Only those items which cannot conceivably be classified in any existing classes.

APPENDIX A

PROCEDURES FOR CHANGING PRODUCT AND SERVICE CODES

The following procedures shall be followed by agencies in obtaining approval for the use of new product or service codes in the Federal Procurement Data System (FPDS):

A. Adding, Deleting, or Revising Product Codes

1. The Federal Supply Classification Coding System is used to classify supplies and equipment in the FPDS. Any proposals for new codes or requests for changes to existing codes must be submitted as follows: (1) civilian agencies must send requests to the Federal Supply Service in the General Services Administration and (2) defense agencies must send requests to the Directorate of Cataloging, Defenses Logistics Service Center, Battle Creek, Michigan. All requests are reviewed for approval by the Defense Logistics Service Center. Further information on the Federal Supply Classification appears in Volume 3 of the Department of Defense, Defense Integrated Data System (DIDS) Procedural Manual, DOD 4100.39-M.

2. Submit a copy of DLSC approval notification to the Federal Procurement Data Center (FPDC). The FPDS Product and Service Code (PSC) File shall be updated immediately and the changes included in the next scheduled amendment to the Product and Service Code Manual.

B. Adding New Service Codes

1. Submit a written request to the Federal Procurement Data Center (FPDC) outlining the need for the new service code. The request shall include: (1) brief description of proposed new service code with a suggested short title description; (2) authority for new code, e.g. law, regulation, or some other agency requirement; (3) statement on expected contract obligations, extent of congressional interest (if any), or other reasons for separately reporting the information to the FPDS; and (4) statement that no redundancy exists with any present FPDS product or service code.

2. The FPDC shall review the request for completeness and forward a copy of the request with its recommendation to OFPP.

3. OFPP shall either approve or disapprove the request stating the rationale for a disapproval.

4. FPDC shall notify the requester in writing of the decision and forward a copy of the letter to OFPP.

5. If the request is approved, the FPDS PSC file shall be updated

immediately.

6. Periodically, FPDC shall issue amendments to the FPDS Product and Service Code Manual incorporating all approved new codes.

C. Revising or Deleting Existing Service Codes

1. Submit a written request to the FPDC with appropriate justification as set forth in Part B above.
2. The FPDC shall review the request for completeness including coordination with other agencies that use the code and forward a copy with its recommendation to OFPP.
3. Above procedures in Part B for items 3, 4, 5 and 6 apply (if applicable).

D. Other Circumstances

1. Should the FPDC detect any anomalies in the coding structure that could require a code to be deleted or changed, the Center must notify OFPP in writing stating the need for the change. Subsequent to agencies review and OFPP approval, the FPDS PSC file shall be updated immediately. The change will be included in the next scheduled amendment to the Product and Service Code Manual.

2. Periodically, FPDC shall review usage of PSC codes to determine if specific codes should be retained as active codes. OFPP shall notify agencies of intent to inactivate a code and allow 60 days for comments. If no comments are received, FPDC shall inactivate the code in the FPDS PSC file and include the change in the next scheduled amendment to the Product and Service Code Manual.

APPENDIX B

DEFINITIONS APPLICABLE TO THE "GENERAL SCIENCE AND TECHNOLOGY R&D (AJ)" CATEGORY

Report codes from the AJ category only after all other R & D categories have been considered and rejected as not being appropriate for the action being reported.

"Not elsewhere classified" is used for multidisciplinary projects within a primary field and for single discipline projects for which a separate discipline code has not been assigned.

AJ1_. Physical Sciences. Physical sciences are concerned with the understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of disciplines under each of these fields are:

Astronomy

- Laboratory Astrophysics
- Optical Astronomy
- Radioastronomy
- Theoretical Astrophysics
- X-Ray, Gamma-ray, Neutrino Astronomy.

Chemistry

- Inorganic
- Organo-Metallic
- Organic
- Physical

Physics

- Acoustics
- Atomic and Molecular
- Condensed Matter
- Elementary Particles
- Nuclear Structure
- Optics
- Plasma

Physical Sciences not elsewhere classified

AJ2_. Mathematical and Computer Sciences. Mathematical and computer sciences employ logical reasoning with the aid of symbols and are concerned with the development of methods of operations employing such

symbols. Examples of disciplines under each of these fields are:

Mathematics

- Algebra
- Analysis
- Applied Mathematics
- Foundations and Logic
- Geometry
- Numerical Analysis
- Statistics
- Topology

Computer Sciences

- Computer Programming
- Computer and Information Sciences (General)
- Design, Development, and Application of Computer Capabilities to Data Storage and Manipulation
- Information Sciences and Systems
- Systems Analysis
- Telecommunications

Mathematical and Computer Sciences not elsewhere classified

J3_. Environmental Sciences. Environmental sciences: (terrestrial and extraterrestrial) are concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect man's survival and welfare; they comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. Examples of disciplines under each of the fields are:

Atmospheric Sciences

- Aeronomy
- Solar
- Weather Modification
- Extraterrestrial Atmospheres
- Meteorology

Geological Sciences

- Engineering Geophysics
- General Geology
- Geodesy and Gravity
- Geomagnetism
- Hydrology
- Inorganic Geochemistry
- Isotopic Geochemistry
- Organic Geochemistry

Laboratory Geophysics
Paleomagnetism
Paleontology
Physical Geography and Cartography
Seismology
Soil Sciences

Oceanography

Biological Oceanography
Chemical Oceanography
Geological Oceanography
Physical Oceanography
Marine Geophysics

Environmental Sciences not elsewhere classified.

AJ4_. Engineering. Engineering is concerned with the studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight fields: aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these fields are:

Aeronautical

Aerodynamics

Astronautical

Aerospace
Space Technology

Chemical

Petroleum
Petroleum Refining
Process

Civil

Architectural
Hydraulic
Hydrologic
Marine
Sanitary and Environmental
Structural
Transportation

Electrical

Communications
Electronic
Power

Mechanical

Engineering Mechanics

Metallurgy and Materials

Ceramic
Mining
Textile
Welding

Engineering not elsewhere classified including

Agricultural
Bioengineering
Biomedical
Industrial and Management
Nuclear
Ocean Engineering
Systems
Other

AJ5_. Life Sciences. Life Sciences consist of five detailed fields: biological (excluding environmental), environmental biology, agricultural, medical, and life sciences not elsewhere classified. The illustrative disciplines provided below under each of these detailed fields are intended to be guidelines, not sharp definitions, as to what should be reported under a particular field; they represent examples of disciplines generally classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry could be reported as biological, agricultural, or medical, depending on the orientation of the project; human biochemistry should be classified under biological, but animal biochemistry or plant biochemistry should be under agricultural.

Biological Sciences (excluding environmental biology)

Anatomy
Biochemistry
Biology
Biometry and Biostatistics
Biophysics
Botany
Cell Biology
Entomology and Parasitology
Genetics
Microbiology
Neuroscience (Biological)
Nutrition
Physiology
Zoology
Other Biological Science not elsewhere classified

Environmental Biology

Ecosystem Sciences
Evolutionary Biology
Limnology
Physiological Ecology
Population Biology
Population and Biotic Community Ecology
Systematics
Other Environmental Biology not elsewhere classified

Agricultural Sciences

Agronomy
Animal Sciences
Food Science and Technology
Fish and Wildlife
Forestry
Horticulture
Plant Sciences
Soils and Soil Science
Phytopathology
Phytoproduction
Agriculture, General
Aquaculture and Hydroponics
Other Agriculture sciences not elsewhere classified

Medical Sciences

Internal Medicine, Neurology, Obstetrics and Gynecology
Ophthalmology, Otolaryngology
Pediatrics
Preventive Medicine
Pathology
Pharmacology
Psychiatry
Radiology
Surgery
Dentistry
Pharmacy
Veterinary Medicine
Other Medical Sciences not elsewhere classified

Life Sciences not elsewhere classified

AJ6_. Psychological Sciences. Psychology deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology is divided into three categories: biological aspects, social aspects, and psychological sciences, not elsewhere classified. Examples of the disciplines under each of these fields are:

Biological Aspects

- Experimental Psychology
- Animal Behavior
- Clinical Psychology
- Comparative Psychology
- Ethology

Social Aspects

- Social Psychology
- Educational, Personnel, Vocational Psychology and Testing
- Industrial and Engineering Psychology
- Development and Personality

Psychological Sciences not elsewhere classified

AJ7_. Social Sciences. Social sciences are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology, economics, history, linguistics, political science, sociology, and social sciences not elsewhere classified. Examples of disciplines under the fields of social science are:

Anthropology

- Archaeology
- Cultural and Personality
- Social and Ethnology
- Applied Anthropology

Economics

- Econometrics and Economic Statistics
- History of Economic Thought
- International Economics
- Industrial, Labor and Agricultural Economics
- Macroeconomics
- Public Finance and Fiscal Policy
- Theory
- Economic Systems and Development

History**Linguistics**

- Anthropological - Archaeological
- Computational
- Psycholinguistics
- Sociolinguistics

Political Science

Area or Regional Studies
Comparative Government
History of Political Ideas
International Relations and Law
National Political and Legal Systems
Political Administration

Sociology

Comparative and Historical
Complex Organizations
Culture and Social Structure
Demography
Group Interactions
Social Problems and Social Welfare
Sociological Theory

Social Sciences not elsewhere classified including

Research in Law and Education not elsewhere classified
Socioeconomic Geography
Other Social Sciences

AJ9_. Other Sciences not elsewhere classified

Multidisciplinary and interdisciplinary projects that cannot be
classified within one of the above fields
Metrology and other measurement related phenomena