

APPENDIX C

DESCRIPTION OF GENERAL FUNCTIONAL AREA (GFA) CODES

Section I. General

C-1. Introduction. This appendix assigns general functional area (GFA) codes for use in describing commercially available products and services that are subject to the CA Program. Only the prescribed title for any particular GFA can be used to describe a function.

C-2. CAs not Listed in this Appendix. CAs that are not specifically described in this appendix should be identified under the proper "other" GFA code. The list of GFAs in this appendix is not yet complete.

C-3. Army and Corps Staff Proponents. When an Army Staff or Corps staff proponent has been assigned to a function, the proponent is shown in parentheses after the description of the product or service. Paragraph 1-9 outlines the responsibilities of proponents. If a proponent is not shown and a question arises concerning that GFA, FOA should direct these inquiries to CDR USACE (CERM-MC) WASH DC 20314-1000. FOA will not alter or revise GFA definitions. Requests for changes and additions to GFA definitions will be forwarded to CDR USACE (CERM-MC) WASH DC 20314-1000.

C-4. Subfunction Codes and Descriptions.

a. Subfunction codes and descriptions listed after a general function description apply to specialized and separate in-house activities and contracts. They are not to be used to fragment an otherwise integrated activity or to contract by subfunctions. If there is more than one subfunction for a general description of work, the parent GFA will be used.

b. In-house activities that are physically or functionally separate will not be combined in the inventory because they will undergo CA study as part of a package of activities.

c. Multifunctional contracts will normally be one entry under the proper code that best describes the functions performed.

Section II. Description of Functions and
General Functional Area (GFA) Codes

C-5. USACE Civil Works (C-series codes).

a. C106 Operation of Recreational Areas. Includes activities that provide for operation of recreational sites at water resource development projects. Includes all labor performed by the recreation area work force to operate the recreation features of the project. Activities requiring interpretation of Government policy or enforcement of rules and regulations, i.e., CFR Title 36 citation authority, are excluded and will be included in Appendix B at a later date. (CECW-O)

- (1) C106A Controlling Entry Gate
- (2) C106B Visitor Center Attendant
- (3) C106C Law Enforcement
- (4) C106D Potable and Wastewater Monitoring

b. C108 Operation of USACE Floating Plant (both project and revolving fund owned). Includes the operation of USACE floating plant including direct and general maintenance support performed by operating personnel. Does not include vessels that are in the minimum fleet. The application of the CA Program to the minimum fleet is under review; guidance will be provided at a later date. (CECW-O)

c. C109 Fish and Hatcheries. Operation of fishery complexes including care and maintenance of spawning equipment, rearing tanks, and aquatic habitats necessary to artificially spawn and rear fish to releasable size fingerlings. (CECW-O)

d. C110 Maintenance and/or Repair of USACE Floating Plant (both project and revolving fund owned). Includes all maintenance of USACE floating plant authorized and performed by designated maintenance activities. The application of the CA Program to the minimum fleet is under review; guidance will be provided later. (CECW-O)

e. C111 Bank Stabilization. Includes restoration and repair of stream/river banks on navigable waterways and flood control channels. (CECW-O)

- (1) C111A Rip-Rap
- (2) C111B Excavation and Grading for Mats
- (3) C111C Mat Casting
- (4) C111D Mat Loading
- (5) C111E Mat Towing
- (6) C111F Mat Sinking (Laying)
- (7) C111G Other Structures

f. C112 Operation and Maintenance of Dams. Includes all operation and maintenance of dams. (CECW-O)

(1) C112A Government Function Portion of Dam Operations. Includes dam operations performed by persons currently having authority to make final decisions on the release of water from dams, such as the operation of spillway gates and other outlet works, for flood control or maintenance of a navigation pool. Operations requiring value judgments and discretionary application of Government authority are a Government function; see Appendix, paragraph B-2b.

(2) C112B Dam Operation. Includes all dam operations except those identified in C112A above.

(3) C112C Routine Maintenance of Dams. Includes routine maintenance of dams and associated structures such as spillways, embankments, outlet works, access roads, levees, pumping stations, and other structures.

(4) C112D Nonroutine Maintenance of Dams. This function is normally performed by contract,

g. C113 Studies Supporting Regulatory Functions. Includes low level aerial photography, satellite remote sensing for establishing the area of jurisdiction under Section 404 of the Clean Water Act and studies to determine the navigability of waterways under Section 10 of the 1899 River and Harbor Act. (CECW-O)

- (1) C113A Aerial Photography/Remote Sensing
- (2) C113B Navigability Studies

h. C114 Natural Resources Management. Includes activities which provide for the orderly protection, control, utilization and renewal of natural resources at water resource development projects, and for control of obnoxious vegetation in navigable waters, tributary streams, connecting channels and allied waters. Excludes activities requiring interpretation of Government policy and enforcement of rules and regulations, i.e., CFR Title 36 citation authority, which will be documented in Appendix B at a later date. (CECW-O)

(1) C114A Fish Protection and Conservation

(2) C114B Wildlife Conservation and Management (includes habitat)

(3) C114C Forest Management

(4) C114D Soils Management

i. C115 Operation and Maintenance of Locks and Bridges. Includes operations and maintenance activities associated with navigation lock structures, together with associated facilities and equipment. (CECW-O)

(1) C115A Enforcement of Laws, Rules, and Regulations at Locks on Critical Waterway Segments. Enforcement of laws, rules, and regulations on site at locks on critical waterway segments. This is a Governmental function requiring value of judgments and discretionary application of Government authority. See Appendix B, paragraph B-3a.

(2) C115B Enforcement of Laws, Rules, and Regulations at Locks on Noncritical Waterway Segments. Enforcement of laws, rules, and regulations on noncritical waterway segments. May be performed on or off-site. This is a Governmental function requiring value judgments and discretionary application of Government authority. See Appendix B, paragraph B-3a.

(3) C115C Operation of Locks on Critical Waterway Segments. Includes opening and closing the gates to permit transit of vessels and giving directions to vessel pilots transiting locks. On critical waterway segments operation is performed only in-house by Government employees; see Appendix B, paragraph B-2b.

(4) C115D Operation of Locks on Noncritical Waterway Segments. Includes opening and closing the gates to permit transit of vessels and giving directions to vessel pilots transiting locks. On noncritical waterway segments operation may be performed either in-house or, if enforcement is off-site, by contract.

(5) C115E Routine Maintenance at Locks in Critical Waterway Segments. Includes maintenance and repair of locks and surrounding areas, such as embankments, spillways, access roads, and other structures, in critical waterway segments.

(6) C115F Routine Maintenance at Locks in Noncritical Waterway Segments. Includes maintenance and repair of locks and surrounding areas, such as embankments, spillways, access roads, and other structures, in noncritical waterway segments.

(7) C115G Emergency Repair of All Locks. Includes the "emergency repair fleet" (consisting of people, equipment, and vessels) that is available to assure rapid deployment of adequate personnel and equipment to quickly reopen locks that are closed to navigation by emergencies. Between such emergencies, this fleet performs major repairs to navigation structures (such as locks and mooring dolphins).

(8) C115H Nonroutine Maintenance at All Locks. Includes nonroutine (that is, major) maintenance and repairs not performed by the "emergency repair fleet," such as painting tainter gates and placement of riprap.

(9) C115I Operation and Maintenance of Bridges. Includes operation and maintenance of movable bridge spans over navigable waterways necessary for the transit of vessels.

j. C116 Operation and Maintenance to Accommodate Open Water Navigation Exclusive of Dredging and Aquatic Plant Control. Includes all activities associated with maintenance of open waterways operated for the purpose of navigation. Excludes activities associated with dredging (C108) and aquatic plant control (S710). Maintenance of open waterways includes drift and debris removal, clearing and snagging operations, removal of wrecks, clearing and repair of river training or contracting works, etc. (CECW-O)

- (1) C116A Drift and Debris Removal
- (2) C116B Clearing and Snagging
- (3) C116C Removal of Wrecks
- (4) C116D Clearing and Repair of River Training and Contracting Works
- (5) C116E Vessel Traffic Advisory (Information/Command) System
- (6) C116F Others

k. C117 Operation and Maintenance of Jetties and Breakwaters. Includes activities associated with operation and maintenance (O&M) of project-related jetties and breakwaters for navigation purposes such as patching of cracks in concrete, repair of eroded sections including replacement of stone, ballast, foundation, and other component materials. (CECW-0)

1. C118 Operation and Maintenance of Hydropower Facilities. Includes all activities associated with the operation and maintenance (O&M) of hydropower facilities, such as hydroelectric generators, turbines, transformers, switchgear, conductors, insulators, control equipment, supervisory control and data acquisition systems, computers, spare parts, pumps, water supply systems, communication systems, oil systems, sewage systems, heating and air conditioning systems, and related structures (e.g., switchyards and intake facilities). (CECW-0)

(1) C118A Governmental Function Portion of Hydropower Operations. Includes hydropower operations performed by persons currently having authority to make final decisions on the release of water from dams, such as the operations of hydropower turbines, spillway gates and other outlet works, for flood control or maintenance of a navigation pool. Operations requiring value of judgments and discretionary application of Government authority are a Governmental function; see Appendix B, paragraph B-2b.

(2) C118B Other Hydropower Operation. Includes all hydropower operations except those identified in C118A above.

(3) C118C Routine Maintenance of Critical Hydropower Facilities. Includes repetitive preventive maintenance jobs normally performed by electricians, mechanics, operators, and helpers. Maintenance testing is also included.

(4) C118D Other Hydropower Maintenance. Includes all hydropower maintenance except that identified in C118C above.

m. C119 Operation and Maintenance of the Washington Aqueduct. Includes all operations and maintenance (O&M) performed at the Washington Aqueduct. (CECW-O)

(1) C119A Treatment and Distribution. Includes all O&M directly associated with the treatment and distribution of water to ensure an adequate and potable water supply to the Federal establishment in Washington, DC, Arlington County, the City of Falls, Church, VA, and other parts of Fairfax County. This is the Governmental function portion of this function and is excluded from CA cost comparison; see Appendix B, paragraph B-2c.

(2) C119B Other O&M. Includes all other O&M, including maintenance and repair of the grounds, lawnmowing, custodial services, painting, security and automotive maintenance.

n. C120 Production of Designs, Plans, Specifications and Drawings (PLANS & SPECS). Includes only the actual production of designs, plans, specifications and drawings (if this work is performed by contract, these services must be obtained using Brooks Act procurement methods). This GFA does not include work supporting the production of plans and specs such as the provision of data for the production of designs, plans, specifications and drawings; this work is covered under GFA's C123-C128. GFA C120 is not subject to A-76 cost comparison study due to a conflict with 10 U.S.C. 4540 (see Appendix B, paragraph B-3c). NOTE: This GFA does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E)

o. C121 Non A-E Professional Services. Includes professional services which do not require a licensed architect or engineer for performance of the work, even though such services may be performed by a licensed A-E as well as an entity not so licensed. Includes professional services, such as those provided by archaeologists, biologists, economists, accountants, auditors, etc. The

decision process is underway to define the relationship of the planning process to the CA Program.
(CECW-O/CERM-F/CEAO)

p. C122 Technical Review of In-house and/or Contractor's Designs, Plans, Specifications and Drawings (TECH REVIEW). Includes the actual technical review of work performed by both in-house and contractor employees. This GFA does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). This GFA is not subject to A-76 cost comparison study due to its inseparability from Engineering's Government functions and GFA C120, and has been identified as excepted from the CA Program (see Appendix B, paragraph B-3b). (CEEC-E)

q. C123 Hydraulic and Hydrologic Field Investigations and Data Collection Services (H&H DATA). Includes activities associated with field exploratory and investigative work (i.e., installation, maintenance, calibration, operation and data transmission of wave, stream and tide gages, current meters, sediment samplers and conductivity probes; collecting water, core and grab samples; performance of seismic subbottom profiles; weather measurements and observations; salinity determinations; data collection by aerial photography and remote sensing; collection of high water data and other similar technical services) in support of hydraulic and hydrologic engineering. NOTE: Excludes all Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E)

r. C124 Subsurface Exploration Services (DRILLING). Includes activities associated with field explorations (i.e., core drilling, soil sampling, and other forms of subsurface explorations) in support of geotechnical engineering. Does not include geologic interpretations which should be included under GFA C128. NOTE: Excludes all Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E)

s. C125 Surveying and Mapping Services (SURVEYING). Includes measuring and locating natural and man-made physical features, phenomena and legal boundaries of the earth and preparing maps, charts, drawings or other graphical or digital presentations. These may be further classified as topographic, hydrographic, boundary/cadastral, geodetic, control, precise, photogrammetry, cartographic, mapping, and charting. If this work is performed by contract, these services must be obtained using Brooks Act

procurement methods. This GFA does not include engineering drafting, which is included in GFA C126. This GFA does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). NOTE: All USACE surveying and mapping must be reported under this GFA. (CEEC-E)

t. C126 Drafting Services (DRAFTING). Includes drafting services in support of architectural and engineering design. Those preparing drawings which are part of plans and specifications should be reported under GFA C120 as they are not subject to A-76 cost comparison study due to a conflict with 10 U.S.C. 4540. Those performing drafting services which are an integral part of other A-E services should be reported under GFA C128 if necessary to avoid potential personal services contracts. This GFA does not include graphic services and/or map and chart making (see GFAs T807 and C125). NOTE: This GFA does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E)

u. C127 Laboratory Materials Testing Services (TESTING). Includes those activities associated with geotechnical, concrete and miscellaneous materials testing services and water quality analysis in support of project investigation, design, construction (including quality assurance testing), operation and maintenance. If this work is performed by contract, some of these services must be obtained using Brooks Act procurement methods. NOTE: This GFA does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E).

v. C128 Other Professional Architectural-Engineering Services (OTHER A-E). Includes those professional services of an architectural or engineering nature as well as incidental support services (other than those included in GFAs C120 and C122-C127) that members of these professions and those in their employ may logically or justifiably perform. This also includes those engineering items that are not considered part of the actual production of designs, plans, specifications and drawings (C120). These are as follows: geological reports and exploration interpretations; feasibility studies and other investigations; preparation of as-built drawings for rehabilitation work, design development criteria, and general and feature design memoranda; consultant services where not specifically applied to preparation of working drawings or specifications; Title II services; and models, renderings or photographs of completed designs. This also includes the preparation of project cost estimates to

support the programming and budgeting process and the preparation of cost estimates (of fair and reasonable costs to the contractor) for the evaluation of construction contract bids. If this work is performed by contract, these services must be obtained using Brooks Act procurement methods. NOTE: This GFA does not include planners, archaeologists, biologists, economists, or others involved in the planning process; the decision process is underway to define the relationship of the planning process to the CA Program. This GFA also does not include any Engineering Divisions' Government functions (see Appendix B, paragraph B-2a). (CEEC-E)

w. C200 Real Estate Acquisitions. Includes development of title evidence after approval of real estate design memoranda of planning reports and title closings approved by HQUSACE/OCE. Excludes negotiation, preparation of condemnation assemblies, acceptance or rejection of counteroffers and offers of settlement in court cases. (CERE-A)

x. C201 Employee Relocation Assistance Program. Includes (1) home sales services consisting of employee contact, description of services, title search, residential appraisals, market assistance, purchase, equity advance and settlement; (2) home finding assistance consisting of rental assistance, buying assistance, and mortgage counseling; and (3) related services consisting of various reporting requirements. Excludes contract administration, claims, and appeals. (CERE-R)

y. C202 Real Estate Appraisal. Includes routine project appraisal. Excludes most planning, gross appraisals, review and approval/disapproval of appraisal reports. (CERE-E)

z. C999 Other. Includes functions not covered by any other code in the C series. Cartographic services performed in support of real estate functions should be reported under C125. (CERE-Z)

C-6. Health Services (H-series codes). The Surgeon General (TSG) is the Army Staff proponent for all health service functions. The following codes describe contractible health service functions.

a. H115 Clinics and Dispensaries. Operation of free-standing clinics and dispensaries which provide health care services. Operations are relatively independent of a

medical treatment facility and are separable for in-house or contract performance. Includes health clinics, occupational health clinics, and occupational health nursing offices.

b. H117 Medical Records Transcription. Transcription services and maintenance of medical records.

c. H118 Nursing Services. Care and treatment for inpatients and outpatients not required to be performed by a doctor.

d. H119 Preventive Medicine. Prevention clinics, information centers and research laboratories.

e. H120 Occupational Health. Monitoring and inspection of installation safety conditions.

f. H121 Drug Rehabilitation. Operation of alcohol treatment facilities, urine testing for drug content, and drug/alcohol counseling centers.

g. H999 Other Health Services. Health services available from commercial sources that are not described in the H-series codes above.

C-7. Minor Maintenance of Equipment (J-series codes). Minor maintenance functions performed by designated maintenance activities or maintenance contracts in support of using activities. These functions are normally limited to replacement and overhaul of unserviceable parts, subassemblies, or assemblies. NOTE: Maintenance of lock, dam and hydropower equipment should be reported under the appropriate GFA code in the C series.

a. J507 Electronic and Communications Equipment. Stationary, mobile, portable, and other electronic, communication audiovisual equipment. Excludes electronic and communications equipment that is part of another support system. Maintenance of automated data processing equipment (ADPE) that is not part of a communications system is reported under GFA W825. (DSCLOG)

b. J999 Other Equipment. Maintenance or repair of equipment not listed under the J-series codes above. Functions reported under this code include maintenance or repair of construction equipment (DCSLOG) and maintenance of communications security equipment (DCSOPS).

C-8. RDT&E (R-series codes).

a. R-660 RDT&E Support. Support of installations or operations required for RDT&E use not reported under other codes. Maintenance support of laboratories. Operation and maintenance of test ranges. Maintenance of test aircraft and ships. NOTE: All support of laboratories and support to R&D work in the USACE must be reported here. (DCSRADA)

C-9. Installation Services (S-series codes).

a. S700 Natural Resource Services. Implementation of natural resource management plans for fish, game, wildlife, forestry, watershed ares, or ground water table, erosion control, and mineral deposit management. (DAEN-ZCF)

b. S701 Advertising and Public Relations. Advertising and public relations in support of public affairs offices, installation/FOA newspapers and publications, and information offices. (ACSIM)

c. S702 Financial and Payroll Services. Preparation of payroll, check printing, maintenance of escrow and payroll accounts. Includes other banking operations. See Appendix B, paragraph B-2d for excluded Governmental functions in this area. (USAFAC)

d. S703 Debt Collection. Monitor, record, and collect debts incurred by overdrafts, bad checks, or delinquent accounts. See Appendix B, paragraph B-2d for excluded Governmental functions in this area. (USAFAC)

e. S709 Custodial Services. Janitorial and housekeeping services to maintain safe and sanitary conditions and preserve property. (DAEN-ZCF)

f. S710 Pest Management. Control measures against fungi, insects, rodents, and other pests. (DAEN-ZCF)

g. S712 Refuse Collection and Disposal Services. Operation of incinerators, sanitary fills, and regulated dumps. Performance of all other approved refuse collection and disposal services. (DAEN-ZCF)

h. S713 Food Services. Operation and administration of food preparation and serving facilities. Excludes operation of central bakeries, pastry kitchens, and central meat processing facilities reported under code X934 and hospital food service operations reported under code H105. (DCSLOG)

i. S714 Furniture. Repair and refurbishing of furniture. (DCSLOG)

j. S715 Office Equipment. Maintenance and repair of typewriters, calculators, and adding machines. (DCSLOG)

k. S716 Motor Vehicle Operation. Operation of local administrative motor transportation services. Organizational maintenance functions not reported under code S717 performed in integrated transportation motor pool operations. Installation bus services reported under code S706 are excluded. (DCSLOG)

- (1) S716A Taxi Service.
- (2) S716B Bus Service (unless in S706).
- (3) S716C Motor Pool Operation.
- (4) S716D Crane Operation (including rigging).
- (5) S716E Heavy Truck Operation.
- (6) S716F Construction Equipment Operation.
- (7) S716I Driver or Operator Licensing and Testing.
- (8) S716J Other Vehicle Operations (light truck and auto).
- (9) S716K Fuel Truck Operations.
- (10) S716M Tow Truck Operations.

l. S717 Motor Vehicle Maintenance. Maintenance of automotive equipment, such as support and administrative vehicles. Maintenance of electronic and communications equipment that is part of the vehicle. Excludes organizational maintenance in transportation motor pool operations reported under code S716 and higher level maintenance reported under J-series codes. (DCSLOG)

- (1) S717A Upholstery Maintenance and Repair.
- (2) S717B Glass Replacement and Window Repair.
- (3) S717C Body Repair and Painting.
- (4) S717D Accessory Overhaul.
- (5) S717E General Repairs and Minor Maintenance.
- (6) S717F Battery Maintenance and Repair.
- (7) S717G Tire Maintenance and Repair.
- (8) S717H Major Component Overhaul.
- (9) S717I Material Handling Equipment Maintenance.
- (10) S717J Crane Maintenance.
- (11) S717K Construction Equipment Maintenance.
- (12) S717L Frame and Wheel Alignment.
- (13) S717M Other Motor Vehicle Maintenance.

m. S718 Fire Prevention and Protection. Fire protection and fire prevention services. Routine maintenance and repair of fire equipment. Installation of fire prevention equipment. (DAEN-ZCF)

- (1) S718A Fire Protection Engineering.
- (2) S718B Fire Station Administration.
- (3) S718C Fire Prevention.
- (4) S718D Fire Station Operations.
- (5) S718E Crash and Rescue.
- (6) S718F Structural Fire Suppression.
- (7) S718G Fire, Crash and Rescue Equipment Major Maintenance.
- (8) S718H Other Fire Prevention and Protection.

n. S724 Guard Service. Physical security operations that protect installations/FOA. Security and in-transit protection of military property from loss or damage. Excludes the following functions below that are exempt from cost comparison study because of national security or because of statutory restrictions: security of nuclear weapons; security of chemical weapons in GOGO facilities; confinement and correction of military prisoners; Provost Marshal or Security Officer and staff, law enforcement patrol; military police desk operations; absentee and deserter apprehension; police working dog program; civil liaison; physical security evaluation and inspection; crime prevention; crisis intervention; and investigations. (DCSPER)

(1) S724A Ingress and Egress Control. Regulation of persons, material, and vehicles entering or exiting a designated area to provide protection of the installation/FOA and Government property.

(2) S724B Physical Security Patrols and Posts. Mobile and static physical security guard activities that provide protection of an installation/FOA or Government property.

(3) S724E Visitor Information Services. Providing information to installation/FOA residents and visitors about street, agency, unit, and activity locations.

(4) S724S Other Guard Service.

o. S725 Electrical Plants and Systems. Operation, maintenance, and repair of Government-owned electrical plants and systems. (DAEN-ZCF)

p. S726 Heating Plants and Systems. Operation, maintenance, and repair of Government-owned heating plants and systems over 750,000 British thermal unit (BTU) capacity. Code S730, Z991, or Z992 will be used for systems under 750,000 BTU capacity. (DAEN-ZCF)

q. S727 Water Plants and Systems. Operation, maintenance, and repair of Government-owned water plants and systems. (DAEN-ZCF)

r. S728 Sewage and Waste Plants and Systems. Operation, maintenance, and repair of Government-owned sewage and waste plants and systems. (DAEN-ZCF)

s. S729 Air Conditioning and Refrigeration Plants. Operation, maintenance, and repair of Government-owned air conditioning and refrigeration plants over 5-ton capacity. Code S730, Z991, or Z992 will be used for plants under 5-ton capacity. (DAEN-ZCF)

t. S730 Other Utilities. Operation, maintenance, and repair of other Government-owned utilities. (DAEN-ZCF)

u. S732 Warehousing and Distribution of Publications. Receipt, storage, and distribution of publications and blank forms.

v. S999 Other Installation/FOA Services. Installation/FOA services not described in S-series codes above. (DCSLOG)

C-12. Other Nonmanufacturing Operations (T-series codes).

a. T801 Storage and Warehousing. Receipt of materiel into depots and other storage and warehousing facilities. Care of supplies in storage. Issue and shipment of materiel. (DCSLOG)

(1) T801A Receipt. Receipt of supplies and related documentation and information. Materiel handling. Materiels segregation. Checking and tallying.

(2) T801C Shipping. Delivery of stocks withdrawn from storage to shipping. Onloading and offloading of stocks from transportation carriers. Blocking, bracing, dunnage, checking, tallying, and materiel-handling in central shipping area. Related documentation and information operations.

(3) T801D Storage Operations. Includes activities that provide for the design and layout of warehouses; the economical use of storage space; the configuration of storage functions for maximum economy and efficiency; the assignment of locations commensurate with levels of protection and types of materiel; the stowage of stocks into assigned locations; the establishment and maintenance of stock locator files; the maintenance of security and access controls; the protection of stocks in storage, to include temperature and humidity controls; the establishment and maintenance of special storage facilities for hazardous, flammable, explosive, sensitive, classified, and other designated stocks; the receipt, storage, protection, maintenance, and issue of war reserve, emergency, or

contingency stocks for deployment/deployed forces; the performance of assembly operations for sets and kits; the use of maintenance of storage aids; the conduct of location surveys, physical inventories, and the performance of research into losses and adjustments; rewarehousing and stock relocations; care of stocks; quality assurance surveillance and inspections; monitoring of shelf life items; assignment of condition codes; operation and maintenance of materiel-handling equipment; the direction of intradepot transportation resources; the movement of reparables to maintenance; and the performance of storage operations subfunctions that are not clearly identified as part of the foregoing.

(4) T801E Preservation and Packaging. Preservation, re preservation, and packaging of materiel to be placed in storage or to be shipped. Excludes application of final (exterior) shipping containers.

(5) T801F Unit and Set Assembly and Disassembly. Gathering and assembly of items into sets or end items to permit shipment under a single document. Blocking, bracing, and packing preparations within the inner shipping container. Physical handling and loading of units. Reverse operation of disassembling units.

(6) T801G Special Processing of Nonstock Fund Owned Materiel. Special processing of inventory control point (ICP) controlled, nonstock fund-owned materiel by technically qualified depot maintenance personnel, using regular or special maintenance tools or equipment. Disassembly or reassembly of reservicable ICP-controlled materiel being readied for movement or storage. Blocking, bracing, cushioning, and packing.

(7) T801H Packing and Crating. Placing supplies in their final, exterior containers ready for shipment. Nailing, strapping, sealing, stapling, masking, marking and weighing of the exterior container. Physical handling, unloading, and loading of materiel within the packing and shipping area. Checking and tallying materiel in and out. Packing, repacking, or recrating for shipment, including on-line fabrication of tailored boxes, crates, bit inserts, blocking, bracing and cushioning shrouding, overpacking, containerization, and the packing of materiel in transportation containers.

(8) T801I Other Storage and Warehousing.

b. T805 Operation of Bulk Liquid Storage. Operation of bulk petroleum storage facilities, including operation of off-vessel discharging and loading facilities and fixed and portable bulk storage facilities. Operation of pipelines, pumps, and other equipment within or between storage facilities or extended to using agencies. Handling of drums within bulk fuel activities. Excludes aircraft fueling services reported under code T814. (DCSLOG)

c. T806 Printing and Reproduction. Printing, duplicating, and copying. Excludes user-operated office copying equipment. (ACSIM)

d. T807 Visual Information (VI) Services. Operation of activities to provide VI services. Includes still and motion picture photography, television (videography), audio, graphic art, VI libraries, VI technical documentation, VI production, VI distribution activities, and VI records centers. Included is the organizational maintenance for each of the functions. Also included is the operation and maintenance of VI equipment not reported under codes J517 or T900. (ACSIM) NOTE: The term "audiovisual" has been replaced by the term "visual information" with the implementation of the revised DOD 5040.2, Visual Information Activities. GFA codes T807I and J have been consolidated into T807G; T807H has been split into T807N and O to separate VI distribution functions from VI records center functions; T807K has been eliminated.

(1) T807A Still Photography. Originating, processing, and reproducing transparencies and prints. Excludes technical documentation reported under code T807L.

(2) T807B Motion Photography. Originating, processing, and reproducing motion picture footage. Excludes technical documentation reported under code T807L and VI production reported under code T807M.

(3) T807C Television (videography). Originating, recording, and reproducing videography and video materials; closed-circuit television and television broadcast transmission, and playback of audio and video information; operation of master antenna systems, cable systems, or community antenna systems; and videoteleconferencing terminal systems. Excludes technical documentation reported under code T807L and VI production reported under code T807M.

(4) T807D Audio. Originating, recording and reproducing audio recordings; providing recording and sound reinforcement services; and radio broadcast and carrier current radio transmission services.

(5) T807E Graphic Art. Originating and reproducing small and large art for direct viewing, projection, or publication.

(6) T807G Visual Information Libraries. Acquisition; storage; reference service; loan; and receipt of VI equipment and VI products (such as audio and video tapes and discs, films, and multimedia packages) at the installation or limited geographical area level. Also includes VI presentation support (operation of VI equipment and systems) and VI instruction and training in the application and operation of VI equipment and products.

(7) T807L Visual Information Technical Documentation. Originating, processing, recording, reproducing, and duplicating still and motion picture photography, and videography materials for instrumentation, time-lapse, high-speed, and oscilloscope recordings, evaluation, and measurement. Excludes VI production reported under code T807M.

(8) T807M Visual Information Production. Combining or arranging VI products in continuity according to a plan or script. The end item is a VI production product made to the specification of the requester.

(9) T807N Visual Information Distribution Activities. Central storage, issue, receipt, and accountability maintenance operations for VI products.

(10) T807O Visual Information Records Centers. Central records center operations for the storage, receipt, issue, and reference services for VI products and related records.

e. T809 Administrative Telephone Service. Operation and maintenance of common-user administrative telephone systems at DOD installations and activities. Includes telephone operator services, range communications, emergency action consoles. Also includes the cable distribution portion of fire alarm, intrusion detection, emergency monitoring and control, data, and similar systems that require use of a telephone system outside plant. (ACSIM)

f. T810 Air Transportation Services. Operation and maintenance of nontactical aircraft assigned to commands and installations for administrative movement of personnel and supplies. (DCSLOG)

g. T811 Water Transportation Services. Operation and maintenance of nontactical watercraft assigned to commands and installations for administrative movement of personnel and supplies. (DCSLOG)

(1) T811A Water Transportation Services. Code T811 functions that do not include tug operations.

(2) T811B Tug Operations. Code T811 functions that include only tug operations.

h. T816 Telecommunication Centers. Operation and maintenance of telecommunications centers, remote terminals, automatic message distribution systems, technical control facilities, and other systems of the communication center. Includes operation and maintenance of air traffic control equipment and facilities. (ACSIM)

i. T817 Other Communications and Electronics Systems. Operation and maintenance of communications and electronics systems not reported under codes T809 and T816. (ACSIM)

j. T819 Preparation and Disposal of Excess and Surplus Property. Acceptance, classification, and disposal of surplus Government property including scrap metal. (DCSLOG)

k. T820 Administrative Support Services. Centralized administrative support services not specifically included in another code. Services are provided to multiple activities of an organization or to multiple organizations, such as a steno or typing pool, rather than a secretary working for an individual. Includes word processing centers, reference and technical libraries, publications distribution centers, microfilming, messenger services, and translation services. Also, records management operations are included, but the managerial portion of the records management function is excluded as a Governmental function. (ACSIM)

- (1) T820A Word Processing Centers.
- (2) T820B Reference and Technical Libraries.
- (3) T820C Microfilming.
- (4) T820D Internal Mail and Messenger Service.
- (5) T820E Translation Services.
- (6) T820F Publications Distribution Centers.

(7) T820G Field Printing and Publication. Includes printing and reproduction of official publications, regulations, and orders. Includes management and operation of the printing facility.

- (8) T820H Compliance Auditing.
- (9) T820I Court Reporting.

1. T999 Other Nonmanufacturing Operations. All other nonmanufacturing operations. Functions reported under this code include inspection of materiel in storage. (DCSLOG)

C-13. Education and Training (U-series codes). These codes include the conduct of courses of instruction attended by DOD civilian or military personnel. Codes for military training follow the definitions of the annual military manpower training report to Congress. The U-series codes include only course of instruction; they do not include education and training support functions reported under S-series and T-series codes. A course is any separately identified instructional unit listed in a formal school or course catalog. Recruit training, officer acquisition training, education officers, and education counselors are excluded from the CA Program as Governmental functions.

a. U300 Specialized Skill Training. Skill training programs (or separable parts) that are purely technical in nature such as welding, computer repair, and electronic repair. Combat-unique and combat-related skill training instruction programs are excluded from the CA Program as Governmental functions. Skill training programs that require military subject matter experts and the infusion of military expertise and experience such as one-station unit training, ranger training, and military related or military required aspects of health care training are also excluded as Governmental functions. (DCSOPS)

b. U500 Professional Development Education. All training categorized as professional development education. (DCSOPS)

c. U520 Graduate Education (fully funded, full time). Graduate education on Government or private educational institutions (where the student attends) on a full-time, fully funded basis. (DCSPER)

d. U530 Other Full-time Education Programs. All other full-time education services. (DCSPER/DCSOPS)

e. U800 Training Development and Support. Training developments (Tds) support functions involving producing, warehousing, and distribution of training materials. Excludes functions requiring military subject matter experts and the infusion of military expertise, experience, and functions reported in T807. (DCSOPS)

f. U999 Other Training Functions. All other training functions not described under the U-series codes above. Excludes functions reported in S and T series codes.

C-14. Automated Data Processing. ACSIM is the DA staff proponent for all automated data processing functions.

a. W824 Data Processing Services. Government or contract operation of Government-owned or leased ADP equipment. Participation in Government-wide ADP sharing program. Time-sharing processing services (machine time) procured from commercial sources. Data processing services performed by general-purpose ADP and peripheral equipment.

- (1) W824A Operation of ADP Equipment.
- (2) W824B Production Control and Customer Services.
- (3) W824C ADP Magnetic Media Library.
- (4) W824D Data Transcription and Data Entry Services.
- (5) W824E Transmission and Teleprocessing Equipment Services.
- (6) W824F Acceptance Testing and Recovery Systems.
- (7) W824G Punch Card Processing Services.
- (8) W824H Other ADP Operations and Support.

b. W825 Maintenance of ADP Equipment. Maintenance and repair of all Government-owned ADP equipment and peripheral equipment.

c. W826 Systems Design, Development, and Programing Services. All software services associated with nontactical ADP operation.

(1) W826A Development and Maintenance of Applications Software.

(2) W826B Development and Maintenance of Systems Software.

d. W827 Software Services for Tactical Computers, TMDE, and ATE. Software services associated with tactical computers and TMDE and ATE hardware.

e. W999 Other Automatic Data Processing Functions. All other ADP functions not described under the W-series codes above.

C-15. Products Manufactured or Fabricated in Government-Owned Facilities (X-series codes). These codes cover in-house activities and contracts that manufacture or fabricate products in Government-owned facilities. The codes are assigned on the basis of the predominant product produced.

a. X937 Logging and Lumber Products. Logging and sawmill operations. (DAEN-ZCF)

b. X939 Construction Products. Operation of quarries and pits including crushing and mixing. Concrete and asphalt batching plants. (DAEN-ZCF)

c. X999 Other Products Manufactured or Fabricated in Government-owned Facilities. All other functions involved in the production of goods in Government-owned facilities not described under the X-series codes above. (DAEN-ZCF)

C-16. Maintenance, Repair, Alteration, and Minor Construction of Real Property (Z-series codes). DAEN-ZCF is the Army staff proponent for all Z-series codes.

a. Z991 Buildings and Structures - Family Housing. Structural features; exterior and interior painting and glazing; roofing, interior plumbing; interior electric; interior heating equipment, including heat sources under

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750,000 BTU capacity; installed food service and related equipment; air conditioning and refrigeration under 5-ton capacity; elevators; and other equipment affixed as part of the building and not reported under other functional codes. Fencing, flag poles, guard and watch towers, grease racks, unattached loading ramps, training facilities other than buildings, monuments, grandstands and bleachers, elevated garbage racks and other miscellaneous structures.

- (1) Z991A Rehabilitation-Tenant Change.
- (2) Z991B Roofing.
- (3) Z991C Glazing.
- (4) Z991D Tiling.
- (5) Z991E Exterior Painting.
- (6) Z991F Interior Painting.
- (7) Z991G Flooring.
- (8) Z991H Screens, Blinds, etc.
- (9) Z991I Appliance Repair.
- (10) Z991J Electrical Repair. Includes elevators and escalators.
- (11) Z991K Plumbing.
- (12) Z991L Heating Maintenance.
- (13) Z991M Air Conditioning Maintenance.
- (14) Z991N Emergency and Service Work.
- (15) Z991T Other Work.

b. Z992 Building and Structures Other Than Family Housing. Maintenance, repair, alteration, and minor construction of real property other than family housing. See code Z991.

- (1) Z992A Rehabilitation-Tenant Change.
- (2) Z992B Roofing.
- (3) Z992C Glazing.
- (4) Z992D Tiling.
- (5) Z992E Exterior Painting.
- (6) Z992F Interior Painting.
- (7) Z992G Flooring.
- (8) Z992H Screens, Blinds, etc.
- (9) Z992I Appliance Repair.
- (10) Z992J Electrical Repair.
- (11) Z992K Plumbing.
- (12) Z992L Heating Maintenance.
- (13) Z992M Air Conditioning Maintenance.
- (14) Z992N Emergency and Service Work.
- (15) Z992T Other Work.

c. Z993 Grounds and Surfaced Areas. Maintenance, repair, and alteration of grounds and surfaced areas defined in codes Z993A, B, and C below.

(1) Z993A Grounds (Improved). Improved grounds, including lawns, drill fields, parade grounds, athletic and recreational facilities, cemeteries, other ground areas, landscape and windbreak plants, and accessory drainage systems.

(2) Z993B Grounds (Other Than Improved). Small arms ranges, antenna fields, drop zones, and fire breaks. Also grounds such as wild life conservation areas, maneuver areas, artillery ranges, safety and security zones, desert, swamps, forests, and similar areas.

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(3) Z993C Surfaced Areas. Airfield pavement, roads, walks, parking and open storage areas, traffic signs and markings, storm sewers, culverts, ditches, and bridges. Includes street and airfield sweeping and snow and ice removal.

d. Z997 Railroad Facilities. Narrow and standard gauge two-rail tracks including spurs, sidings, yard, turnouts, frogs, switches, ties, ballast, and roadbeds, with accessories and appurtenances; drainage facilities; and trestles.

e. Z998 Waterways and Waterfront Facilities. Approaches, turning basins, berth areas and maintenance dredging, wharves, piers, docks, ferry racks, transfer bridges, quays, bulkheads, marine railway dolphins, mooring buoys, seawalls, breakwaters, causeways, jetties, revetments, etc. Excludes waterways maintained by the Army COE rivers and harbors programs. Also excludes buildings, grounds, railroads, and surfaced areas located on waterfront facilities.

f. Z999 Other Maintenance, Repair, Alteration, and Minor Construction of Real Property. All other maintenance, repair, alteration, and minor construction of real property.