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OFFICE OF THE UNDER SECRETARY OF DEFENSE
5000 DEFENSE PENTAGON
WASHINGTON, DC 20301-5000

INTELLIGENCE

15 March 2004

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
DIRECTOR, DEFENSE INTELLIGENCE AGENCY
DIRECTOR, NATIONAL SECURITY AGENCY
DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

SUBJECT: CAPACITY ANALYSIS DATA CALL FOR DEFENSE INTELLIGENCE

The Defense intelligence community will be participating fully in the Base Realignment and Closure 2005 process. The Intelligence Joint Cross-Service Group (IJCSG) has been tasked with the responsibility of conducting a broad, comprehensive review of the entire Defense intelligence community. The first major step in the BRAC 2005 process is a Capacity Analysis data call. This data call is designed to establish the Defense intelligence community's real estate footprint. The focus of this data call is on identifying the numbers of personnel, their geographic location, and the square footage of workspace used to perform given tasks.

As the Chair, IJCSG, I request each Secretary of the Military Departments and Director of the Defense intelligence agencies (Defense Intelligence Agency, National Security Agency, National Reconnaissance Office, and National Geospatial-Intelligence Agency) complete the attached questionnaire; coordinate their responses, as needed, with all appropriate organizations, to include the Joint Chiefs of Staff, J2 and the Combatant Commands; certify that the responses are complete and accurate; and return the responses to me by 14 May 2004. It is very important that all Defense intelligence activities be captured in this data call.

Questions regarding this action should be directed to Glenn R. Price, ODUSD(I) CI&S, at 703-602-9967 or 703-769-9450.

Your cooperation throughout the entire BRAC 2005 process is appreciated. I am confident that all Defense intelligence activities will benefit from this collaborative review.

Carol A. Haave
Deputy Under Secretary of Defense
(Counterintelligence and Security)
Chair, IJCSG

Attachment: Capacity Analysis Data Call Guidance and Questions

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
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INTELLIGENCE JOINT CROSS SERVICE GROUP (IJCSG)

QUESTION COVER PAGE

Please ensure that each organization completing this questionnaire fills out the information in the Header.

Annotate completed, consolidated responses with same information so we know what organization completed the questionnaire.

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INTELLIGENCE JOINT CROSS SERVICE GROUP (IJCSG)

SECTION I – OVERVIEW

INTRODUCTION

The following provides an overview of the information and data elements to be provided for each of the functions addressed in the Intelligence Joint Cross Service Group (IJCSG). These overarching functions are addressed by the following Subgroups:

A. Sources and Methods

B. Correlation/Collaboration/Analysis/Access (C2A2)

C. Management Activities

Each of the Subgroups is then further defined by subordinate Subfunctions and their associated Attributes. These describe the basic activities for which information on personnel, space and other metrics will be collected. For example, the activity of Accounting and Finance would have the following hierarchy:

Subgroup: Management Activities
Subfunction: Financial Management
Attribute: Accounting and Finance

These relationships must be maintained as the data is collected. The following questions have been selected to address the data elements required for the Intelligence JCSG from the suggested overall DoD data bank. Descriptors and tables have been modified to meet the IJCSG requirements in order to keep the relationships of the data noted above. As a result, some data elements are repetitive or additional tables provided to accommodate the information needed. The following provides an overview of the hierarchy for each of the Subgroups for reference purposes. Definitions of the activities within each of the elements are provided where necessary to help in understanding what is included.

All information provided in response to these questions must be appropriately classified for each data element.

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DATA REFERENCE (DEFINITION AND HIERARCHY)

A. SOURCES AND METHODS:

Definition and Scope of the Function

This function covers present activities associated with the levying of intelligence requirements; management of collection requirements; building or developing collection systems; management of collection systems or resources; conduct of actual collection operations; pre-processing of information derived for the purposes of "tipping" other collections; and, the initial real-time or near-real-time reporting and posting of data/information to networks and databases where it is accessible for the Collaboration, Correlation, Analysis and Access function.

Subfunctions, Attributes and Metrics

For the purpose of this analysis, the Sources and Methods Subgroup will be evaluated based on the following Subfunctions: Acquisition; Levying Intelligence Collection Requirements; Management and Operations of Collection Resources; and, Posting of Information/Data. Each Subfunction and Attribute will be evaluated against personnel, facilities and equipment requirements.

a. Acquisition – This Subfunction covers building, developing, and upgrading collections systems.

(1) Research and Development

(2) Engineering

(3) Specialized Training – Addresses Mobile Training Teams (MTT), specialized equipment training and specialized training on new sources, methods and data in the test, and exercise phase of demonstration.

(4) Supporting Communication Infrastructure

- Category 1: Communications personnel and space directly associated with the intelligence sensor or platform

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- Category 2: Communications personnel and space not funded by the intelligence program but necessary for its mission execution.

- Antenna equipment footprint requirements required for interference mitigation

b. Levying Intelligence Collection Requirements – This Subfunction addresses the processing of specific intelligence collection requirements.

(1) Requirements Validation and Prioritization – Long Term. Strategic requirements, includes the non-time sensitive requirements process.

(2) Requirements Validation and Prioritization – Short Term. Tactical requirements, includes the time critical requirements that drive daily collection and tasking.

(3) Tasking of Collection

c. Management and Operations of Collection Resources – This Subfunction covers collection management, operations, and maintenance of the collection resources.

(1) Sensor/Collection System/Asset Planning and Tasking

(2) Residual Stateside Support for Deployment of Assets

(3) Collection Operations Management and Mission Tracking

(4) Support Operations

(5) Mission Tailored Training, Demonstrations, and Exercises

(6) IT Support Infrastructure (e.g., uplink and downlink)

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d. Posting of Information/Data – This Subfunction addresses personnel and assets associated with real-time (RT) or near real-time (NRT) delivery of intelligence information/data, to include the cross-tasking of other collection assets, before analysis begins. For HUMINT, posting involves the filing of HUMINT Intelligence Information Reports (IIRs) before all-source intelligence analysis begins.

(1) RT or NRT Collection Reporting

(2) RT or NRT Cross System Tasking/Cueing – For e.g., IC-MAP, the ongoing efforts of the Airborne Overhead Interoperability Office, and other efforts to optimize single system collection through cross system queuing.

B. CORRELATION / COLLABORATION / ANALYSIS / ACCESS (C2A2)

Definition and Scope of the Function

The Collaboration/Correlation/Analysis/Access (C2A2) Subgroup addresses installations and processes across the DoD intelligence community that support and facilitate the transformation and synthesis of data into a format usable and accessible by the customer. The focus is on intelligence processes regardless of discipline or temporal focus; the facilities and infrastructure that support those processes; and, the means by which customer-desired output is immediately made available to the customer and/or achieved.

Subfunctions, Attributes and Metrics

The C2A2 Subgroup addresses two Subfunctions: Analysis (including posting/ positioning) and Analysis Support. Each Subfunction will be evaluated against personnel, facilities and equipment requirements.

a. Analysis – This Subfunction includes the current and proposed processes involved in managing the transformation of collected data into usable intelligence and positioning that intelligence for customers.

b. Analysis Support – This Subfunction includes those activities that enable analytical processes, but are not inherent to analysis itself. Includes current and proposed communications that are unique to the DoD intelligence community, and includes analytical R&D, support information technology and infrastructure, physical/electronic storage, libraries, access and dissemination systems & tools, printing & replication

equipment, customer requirements & customer feedback support, modeling & simulation, and standards programs that support the transformation and synthesis of data into a format useable and accessible by a customer.

Note: There are no Attributes identified for these Subfunctions

C. MANAGEMENT ACTIVITIES

Definition and Scope of the Function

Management Activities address common headquarters, administrative and business- related processes across the DoD intelligence community. These management activities will be addressed by the Intelligence JCSG (IJCSG).

For the purpose of this analysis, IJCSG Management Activities include those activities that develop and issue policies; review and evaluate program performance; develop, manage, allocate and distribute resources; and conduct mid- and long-range planning, programming, and budgeting. Management Activities include those activities provided by the DoD intelligence community to the greater community such as security policy and oversight, training and education, and payroll operations.

Management Activities also include “direct support” essential to headquarters operations. Direct support includes professional, technical, administrative, or logistical support performed in, or provided to, a headquarters activity and essential to its operations.

Management Activities do not include those processes involved in managing or controlling intelligence operations (e.g., collection, analysis, production, dissemination), which will be assessed under “Sources and Methods” and “Correlation/Collaboration/Analysis/Access.”

Management Activities are conducted in a routine and cyclical process and do not have a surge requirement in direct support of an OPLAN.

In the Human Resources and Training function, a standard training day is equal to eight hours and a standard training week is equal to five standard training days.

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Subfunctions, Attributes and Metrics

For the purpose of this analysis, Management Activities will be limited to the following Subfunctions: Financial Management, Human Resources and Training, and Management Oversight. Each Subfunction and Attribute will be evaluated against personnel, facilities and equipment.

a. Financial Management –

(1) Planning. People, facilities, and equipment involved in the formulation, coordination, and development of mid- to long-range planning activities that translate to the organization's strategic planning and programming guidance.

(2) Programming. People, facilities, and equipment involved in the translation of strategic planning and programming guidance into detailed game plans (programs, projects, and activities) for meeting SECDEF and DCI policies.

(3) Budgeting. People, facilities, and equipment involved in costing (in terms of dollars and manpower) the implementation of approved programs, projects, and activities in the activity's portion of the President's Budget.

(4) Accounting and Finance. People, facilities, and equipment involved in the development and direction of accounting and finance systems and services.

(5) Internal Review. People, facilities, and equipment involved in the organization policies and procedures to ensure financial, manpower, and property resources are reasonably controlled and safeguarded.

b. Human Resources and Training –

(1) Manpower. People, facilities, and equipment involved in the allocation and control of organization structures, manpower resources, grade authorizations, and evaluation of manpower utilization, as well as permanent members of manpower survey teams supporting the headquarters activity.

(2) Personnel. People, facilities, and equipment involved in the management of civilian and military personnel programs (such as staffing, career development, position classification, pay management, employee and labor-management relations, incentive awards, and benefits), special services programs (such as welfare and recreation programs), and social action programs (such as human relations, equal employment opportunity, and drug and alcohol abuse control), as well as personnel services provided directly to the headquarters activity.

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(3) Training and Education. People, facilities, and equipment involved in the management and execution of training and educational programs - Traditional and Non-Traditional (distance learning, correspondence, independent leaning) and related matters, such as needs assessment, educational research, evaluation, and curriculum design, development, testing and review. E-learning data is factored into the design, testing, development and review figures. The Management Activities Subgroup will not address training and education covered by the Training and Education JCSG.

c. Management Oversight –

(1) Program Management. People, facilities, and equipment involved in headquarters requirements management and program management services provided directly to the headquarters activity.

(2) Research and Development. People, facilities, and equipment involved in the oversight of basic and advanced research programs.

(3) Acquisition. People, facilities, and equipment involved in the oversight of acquisition programs to include strategies and objectives for system, equipment or service analysis, test and evaluation.

(4) Materiel Management. People, facilities, and equipment involved in the oversight of programs providing logistic support of specified systems, equipment, commodities, and services from procurement and delivery through disposal.

(5) Security Programs. People, facilities, and equipment involved in the management of physical, personnel, information, and communications security programs.

(6) External Agency Measures – Includes services provided to external agencies.

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SECTION II – INTELLIGENCE JOINT CROSS SERVICE GROUP (IJCSG) QUESTIONS

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
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IJCSG #1: Facility/Space Baseline

The following question should be completed by each Military Department and Defense intelligence agency for activities (by Subfunction/Attribute) within their purview. The objective is to identify all buildings and/or space (e.g., office building, radar site, laboratory, etc.) allocated for *all* intelligence functions DoD-wide. This will provide a baseline for the capacity analysis and future assessments.

Question: Each MILDEP intelligence activity, each Defense intelligence agency, and USD(I) should identify all facilities and space for which they have real estate or space management responsibility, regardless of tenant occupants. OSD will collect information on the Office of the USD(I). In addition, identify any contractor space that is in use by a DoD organization or DoD agency personnel. The objective is to identify all space within the control of each organization and agency for their respective intelligence activities. Verify and complete the data in the table for all facilities and associated infrastructure using the DoD Facility Analysis Category (FAC) codes to identify facility type. For Facility Condition Codes, follow the guidance in paragraph 3 of the Amplification section below.
Source / Reference: See amplification.
Amplification:
1. All Activities: Provide building number, name and full address. Add a row to the table to identify each building.
2. Reference 2003 DoD Facilities Pricing Guide (UFC 3-701-03) for DoD facility category code tables. Copy of 4 digit table to be used is provided on the CD.
3. Provide a Facility Condition Code based on the following criteria:
A = Existing structure: constructed more than 10 years ago and no major rehab in last 10 years (rehab to address e.g., IT, HVAC, power)
B = Existing structure: either newly constructed between 6 and 10 years ago or had major rehab within last 6 to 10 years (rehab to address e.g., IT, HVAC, power)
C = Existing structure: either newly contracted in last 5 years or had major rehab within 5 years (rehab to address e.g., IT, HVAC, power)
4. DoD Host (Installation) = Military Installation (i.e., Ft. Belvoir) where you are located or N/A as appropriate.
5. Identify if the space is owned, leased or within an existing contractor facility. Use following codes: W=Owned; L=Leased; C=Contractor.
6. Unit of Measure (UM) = The 2-digit unit applicable to the facility as identified in UFC 3-701-03 (e.g. square feet “SF” for building, Acres “AC” for land; etc). Copy of UM table provided in the UFC 3-701-03, page B-1, on the CD.
7. Total Size = Total number of units of measure expressed in whole numbers (e.g. “240” for 240 SF). In the case of buildings, this will be the same as the Gross Square Feet.
8. GSF = Gross Square Feet. The definition of GSF is all floor area in a building measured to the outer surfaces of exterior or enclosing walls. Tenants on military installations should confirm assignments of GSF with their host entity.
When filling in the "Occupancy Status" column, verify occupancy status and use "V" = Vacant (entire facility must be vacant) or "O" = Occupied (for either partial or complete occupancy).

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9. USF = Usable Square Feet. This measure of square feet should be used when responding to questions about owned and leased space (inclusive of space that is owned by the Federal government but controlled by a non-DoD entity such as GSA) and when responding to questions about the amount of space used by a specific activity within a larger amount of assigned space. USF is the space on a building floor(s) that a tenant can occupy with personnel, furniture and equipment (including an internal circulation factor).
10. DC Area = indicate if building/space is within a 100 mile radius of the Pentagon. Map reference (http://www.defenselink.mil/brac/).
11. When filling in the "Occupancy Status" column, verify occupancy status and use "V" = Vacant (entire facility must be vacant) or "O" = Occupied (for either partial or complete occupancy).

Check here if this question is not applicable (N/A): ☐

NOTE: The following table is split into two parts due to space. Both parts will need to be filled in for each building. To move between the blocks, hit the TAB key when you are done entering the data. At the end of the row, hit TAB to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary

Building Number (Text)	Actual Street Address (Text)	City (Text)	State (Text)	Zip Code (Text)	DoD Facility Category Code (4 digit)	Facility Condition Code (A, B, or C)	DoD Host (Installation)	Owned/ Leased/ Contractor (W=Owned; L=Leased; C=Contractor) (Text)

Building Number (Text)	Unit of Measure (Text)	Total Size (Number)	Gross Square Feet (GSF)	Useable Square Feet (USF)	Within DC Area? (YES/NO)	Occupancy Status (O=Occupied; V=Vacant)

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IJCSG #2 –Space By Subfunction and Attribute

Question: For EACH building of owned, leased or contractor space that you occupy with DoD personnel and/or equipment, excluding the Pentagon Reservation: what is the building's number, name, and total Usable Square Feet (USF) assigned to each activity (listed below in blue)? How much of the total USF assigned space is an approved SCIF? For total USF (regardless of whether an approved SCIF), break out space by number of useable square feet, number of useable square feet for Specialized Equipment and number of useable square feet that is Vacant.
Source / Reference: Facility Managers
Amplification: 1. USF = Usable Square Feet. This measure of square feet should be used when responding to questions about owned and leased space (inclusive of space that is owned by the Federal government but controlled by a non-DoD entity such as GSA) and when responding to questions about the amount of space used by a specific activity within a larger amount of assigned space. USF is the space on a building floor(s) that a tenant can occupy with personnel, furniture and equipment (including an internal circulation factor).
2. Specialized Equipment = Specialized equipment does not include personal computers that are standard in all office environments. Examples would include radars, laboratory testbeds, etc. Specialized equipment does not need to be specifically identified or its purpose provided. Only the USF used by the equipment is needed.
3. Provide total USF and then identify how much of the total is approved SCIF space. For the total USF, including SCIF, identify the break out of by specialized equipment space, vacant space, and remaining (occupied) USF. (Total USF = equipment space + vacant space + remaining USF.)
4. For the activity indicated as "Other", this is defined as the number of additional defense intelligence related personnel in your organization (military department or agency) that are not included in any of the other listed activities.
5. Repeat table for each building.

Check here if this question is not applicable (N/A): ☐

Please fill in the following table(s); repeat for each building:

Building Number (Text):	Total Useable Square Feet Assigned (SF)	SCIF Square Feet (SF)	Useable Square Feet (SF)	Specialized Equipment Square Feet (SF)	Vacant Square Feet (SF)
Acquisition – Research and Development					
Acquisition – Engineering					
Acquisition – Specialized Training					
Acquisition – Supporting Communication Infrastructure					
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term					
Levying Intel Collection Rqmts – Rqmts Validation and					

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Prioritization – Short Term					
Levying Intel Collection Rqmts – Tasking of Collection					
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking					
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets					
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking					
Mgmt & Optns of Collection Resources – Support Operations					
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises					
Mgmt & Optns of Collection Resources – IT Support Infrastructure					
Posting of Info/Data – RT or NRT Collection Reporting					
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing					
C2A2 – Analysis					
C2A2 – Analysis Support					
Financial Management - Planning					
Financial Management – Programming					
Financial Management – Budgeting					
Financial Management - Accounting and Finance					
Financial Management – Internal Review					
HR and Training – Manpower					
HR and Training – Personnel					
HR and Training – Training and Education					
Mgmt Oversight – Program Management					
Mgmt Oversight – Research and Development					
Mgmt Oversight – Acquisition					
Mgmt Oversight – Materiel Mgmt					
Mgmt Oversight – Security Programs					
Mgmt Oversight – External Agency Measures					
Other					

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IJCSG #3 –Authorized Personnel By Subfunction and Attribute

Question: For EACH building of owned, leased or contractor space that you occupy, excluding the Pentagon Reservation: what is the personnel break out (authorized, on-board contractors, and detailees) per activity (listed below in blue)?
Table 1: Report your personnel in your facilities
Table 2a: Report DoD detailees to your facilities from another DoD organization(s). All non-DoD detailees will be reported in the column marked "Other Orgn".
2b: Report your detailees to another DoD organization(s) facilities. Personnel to non-DoD facilities will be reported in the column marked "Other Orgn".
Source / Reference: Personnel Records
Amplification: 1. Authorized = Manpower validated and allocated in a manning document that defines positions in terms of functions, organization, location, skill, grades and other characteristics used to control and assign personnel.
2. Military Executive = Flag or General Officers (O7 and above).
3. Military Management = Colonels, Lieutenant Colonels and Majors (O4-O6), or comparable rank as defined in any of the US military branches.
4. Military Other Officers = Officers on levels of W1-O3.
5. Military Enlisted = Include all enlisted personnel.
6. Civilian Executive = SES/DISES positions (defined as Private Space Categories P-1 through P-3 in Enclosure 1 of DODI 5305.5).
7. Civilian Management = GS 12-15 or Pay Bands 3-5 positions (defined as Private Space Categories P-4 through P-6 in Enclosure 1 in DODI 5303.5).
8. Civilian Other Staff = All staff not included as Executive or Management as previously defined.
9. DoD Civilian Personnel = Funded/budgeted authorized civilian positions may be filled with contractors; if this is the case, do NOT double-count the positions when completing the on-board contractor question that follows.
10. On-Board Contractors = Non-military personnel physically located within the space occupied by DoD Activity on a continuing basis, excluding personnel performing short-term duration projects (i.e. less than one year).
11. Full-Time Equivalent (FTE) = Full Time Equivalent is calculated based on 2087 hours.
12. Detailees = an individual or continuing position (reimbursable or non-reimbursable) assigned to a DoD facility for a specified period of time with the position remaining on the parent organization's personnel rolls. (One-time assignments for less than one year should be excluded.) The intent of including the Detailee category is to capture all personnel resident in a particular space regardless of parent organization.
13. For the activity indicated as "Other", this is defined as the number of additional defense intelligence related personnel in your organization (military department or agency) that are not included in any of the other listed activities.

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14. For Table 1, repeat for each building. For Tables 2a and 2b, repeat for each building or if you have detailees to or from more than five DoD organizations.

Check here if this question is not applicable (N/A): ☐

Table 1 - Please fill in table(s); repeat for each building:

Building Number (Text):	Military Executive (Pers)	Military Management (Pers)	Military Other Officers (Pers)	Military Enlisted (Pers)	DoD Civilian Executive (Pers)	DoD Civilian Management (Pers)	DoD Civilian Other Staff (Pers)	On-Board Contractor FTEs (Pers)
Acquisition – Research and Development								
Acquisition – Engineering								
Acquisition – Specialized Training								
Acquisition – Supporting Communication Infrastructure								
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term								
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term								
Levying Intel Collection Rqmts – Tasking of Collection								
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking								
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets								
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking								
Mgmt & Optns of Collection Resources – Support Operations								

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Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises								
Mgmt & Optns of Collection Resources – IT Support Infrastructure								
Posting of Info/Data – RT or NRT Collection Reporting								
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing								
C2A2 – Analysis								
C2A2 – Analysis Support								
Financial Management - Planning								
Financial Management – Programming								
Financial Management – Budgeting								
Financial Management - Accounting and Finance								
Financial Management – Internal Review								
HR and Training – Manpower								
HR and Training – Personnel								
HR and Training – Training and Education								
Mgmt Oversight – Program Management								
Mgmt Oversight – Research and Development								
Mgmt Oversight – Acquisition								
Mgmt Oversight – Materiel Mgmt								
Mgmt Oversight – Security Programs								
Mgmt Oversight – External Agency Measures								
Other								

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Table 2a - Please fill in table(s); repeat for each building or if you have detailees from more than five DoD organizations:

Building Number (Text):	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Other Orgn	Detailees (Pers)
Acquisition – Research and Development												
Acquisition – Engineering												
Acquisition – Specialized Training												
Acquisition – Supporting Communication Infrastructure												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term												
Levying Intel Collection Rqmts – Tasking of Collection												
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking												
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets												
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking												
Mgmt & Optns of Collection Resources – Support Operations												
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises												

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Mgmt & Optns of Collection Resources – IT Support Infrastructure												
Posting of Info/Data – RT or NRT Collection Reporting												
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing												
C2A2 – Analysis												
C2A2 – Analysis Support												
Financial Management - Planning												
Financial Management – Programming												
Financial Management – Budgeting												
Financial Management - Accounting and Finance												
Financial Management – Internal Review												
HR and Training – Manpower												
HR and Training – Personnel												
HR and Training – Training and Education												
Mgmt Oversight – Program Management												
Mgmt Oversight – Research and Development												
Mgmt Oversight – Acquisition												
Mgmt Oversight – Materiel Mgmt												
Mgmt Oversight – Security Programs												
Mgmt Oversight – External Agency Measures												
Other												

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Table 2b - Please fill in table(s); repeat for each building or if you have detailees to more than five DoD organizations:

Building Number (Text):	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Other Orgn	Detailees (Pers)
Acquisition – Research and Development												
Acquisition – Engineering												
Acquisition – Specialized Training												
Acquisition – Supporting Communication Infrastructure												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term												
Levying Intel Collection Rqmts – Tasking of Collection												
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking												
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets												
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking												
Mgmt & Optns of Collection Resources – Support Operations												
Mgmt & Optns of Collection Resources – Mission Tailored												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

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Training, Demos and Exercises												
Mgmt & Optns of Collection Resources – IT Support Infrastructure												
Posting of Info/Data – RT or NRT Collection Reporting												
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing												
C2A2 – Analysis												
C2A2 – Analysis Support												
Financial Management - Planning												
Financial Management – Programming												
Financial Management – Budgeting												
Financial Management - Accounting and Finance												
Financial Management – Internal Review												
HR and Training – Manpower												
HR and Training – Personnel												
HR and Training – Training and Education												
Mgmt Oversight – Program Management												
Mgmt Oversight – Research and Development												
Mgmt Oversight – Acquisition												
Mgmt Oversight – Materiel Mgmt												
Mgmt Oversight – Security Programs												
Mgmt Oversight – External Agency Measures												
Other												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
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IJCSG #4 –Space in Pentagon Reservation by Subfunction and Attribute

Question: For space that you occupy with DoD personnel and/or equipment within the Pentagon Reservation: what is the Usable Square Feet (USF) assigned to each activity (listed below in blue)? Break space out by USF, SCIF Square Feet, Specialized Equipment Square Feet, and Vacant Square Feet.
Source / Reference: Facility Managers
Amplification: 1. Pentagon Reservation = Land and buildings in Arlington, Virginia, on which the Pentagon Office Building, Federal Building Number 2 (commonly called the Navy Annex), the Pentagon heating and sewage, and other related facilities are located.
2. USF = Usable Square Feet. This measure of square feet should be used when responding to questions about owned and leased space (inclusive of space that is owned by the Federal government but controlled by a non-DoD entity such as GSA) and when responding to questions about the amount of space used by a specific activity within a larger amount of assigned space. USF is the space on a building floor(s) that a tenant can occupy with personnel, furniture and equipment (including an internal circulation factor).
3. Specialized Equipment = Specialized equipment does not include personal computers that are standard in all office environments. Examples would include radars, laboratory testbeds, etc. Specialized equipment does not need to be specifically identified or purpose provided. Only the USF used by the equipment is needed.
4. Provide total USF and then identify SCIF space, specialized equipment space, vacant space, and remaining USF.
5. For the activity indicated as "Other", this is defined as the number of additional defense intelligence related personnel in your organization (military department or agency) that are not included in any of the other listed activities.
Check here if this question is not applicable (N/A): ☐

Please fill in the following table(s):

Square Footage Within Pentagon Reservation	Total Square Feet Assigned (SF)	Useable Square Feet (SF)	SCIF Square Feet (SF)	Specialized Equipment Square Feet (SF)	Vacant Square Feet (SF)
Acquisition – Research and Development					
Acquisition – Engineering					
Acquisition – Specialized Training					
Acquisition – Supporting Communication Infrastructure					
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term					
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term					

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Levying Intel Collection Rqmts – Tasking of Collection					
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking					
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets					
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking					
Mgmt & Optns of Collection Resources – Support Operations					
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises					
Mgmt & Optns of Collection Resources – IT Support Infrastructure					
Posting of Info/Data – RT or NRT Collection Reporting					
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing					
C2A2 – Analysis					
C2A2 – Analysis Support					
Financial Management - Planning					
Financial Management – Programming					
Financial Management – Budgeting					
Financial Management - Accounting and Finance					
Financial Management – Internal Review					
HR and Training – Manpower					
HR and Training – Personnel					
HR and Training – Training and Education					
Mgmt Oversight – Program Management					
Mgmt Oversight – Research and Development					
Mgmt Oversight – Acquisition					
Mgmt Oversight – Materiel Mgmt					
Mgmt Oversight – Security Programs					
Mgmt Oversight – External Agency Measures					
Other					

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #5 –Authorized Personnel in Pentagon Reservation by Subfunction and Attribute

Question: If you have personnel located in space on the Pentagon Reservation, identify personnel (by type) as of year-end FY 03 for activities listed below in blue.
Table 1: Report your personnel in your space in the Pentagon
Table 2a: Report DoD detailees to your Pentagon space from another DoD organization(s). All non-DoD detailees will be reported in the column marked "Other Orgn".
2b: Report your detailees to another DoD organization(s) Pentagon space. Personnel to non-DoD Organization(s) Pentagon Space will be reported in the column marked "Other Orgn".
Source / Reference: Manning Documents
Amplification: 1. Pentagon Reservation = Land and buildings in Arlington, Virginia, on which the Pentagon Office Building, Federal Building Number 2 (commonly called the Navy Annex), the Pentagon heating and sewage and other related facilities are located.
2. Authorized = Manpower validated and allocated in a manning document that defines positions in terms of functions, organization, location, skill, grades and other characteristics used to control and assign personnel.
3. Swing Space = leased space that is used to provide office space for activities officially assigned to the Pentagon but which are currently not physically located at the Pentagon during the Renovation project.
4. Military Executive = Flag or General Officers (O7 and above).
5. Military Management = Colonels, Lieutenant Colonels and Majors (O4-O6), or comparable rank as defined in any of the US military branches.
6. Military Other Officers = officers on levels of W1-O3.
7. Military Enlisted = All enlisted personnel.
8. DoD Civilian Personnel = authorized civilian positions may be filled with contractors; if this is the case, do NOT double-count the positions when completing the on-board contractor question that follows.
9. Civilian Executive = SES/DISES positions (defined as Private Space Categories P-1 through P-3 in Enclosure 1 of DODI 5305.5).
10. Civilian Management = GS 12-15 or Pay Band 3-5 positions (defined as Private Space Categories P-4 through P-6 in Enclosure 1 in DODI 5303.5).
11. Civilian Other Staff = All staff not included as Executive or Management as previously defined.
12. On-Board Contractors = non-government personnel physically located within the space occupied by DoD Activity on a continuing basis, excluding personnel performing short-term duration projects (i.e. less than one year).
13. Full-Time Equivalent (FTE) = Full Time Equivalent is calculated based on 2087 hours.
14. Detailees = an individual or continuing position (reimbursable or non-reimbursable) assigned to a DoD facility for a specified period of time with the position remaining on the parent organization's personnel rolls. (One-time assignments for less than one year should be excluded.) The intent of including the Detailee category is to capture all personnel resident in a particular space regardless of parent organization.

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
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15. For the activity indicated as "Other", this is defined as the number of additional defense intelligence related personnel in your organization (military department or agency) that are not included in any of the other listed activities.
16. Repeat Table 2a if you have detailees from more than five DoD organizations in your Pentagon space. Repeat Table 2b if you have detailees to more than five DoD organizations located in Pentagon space.

Check here if this question is not applicable (N/A): ☐

Table 1 - Please fill in the following table(s):

Building Number (Text):	Military Executive (Pers)	Military Management (Pers)	Military Other Officers (Pers)	Military Enlisted (Pers)	DoD Civilian Executive (Pers)	DoD Civilian Management (Pers)	DoD Civilian Other Staff (Pers)	On-Board Contractor FTEs (Pers)
Acquisition – Research and Development								
Acquisition – Engineering								
Acquisition – Specialized Training								
Acquisition – Supporting Communication Infrastructure								
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term								
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term								
Levying Intel Collection Rqmts – Tasking of Collection								
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking								
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets								
Mgmt & Optns of Collection Resources – Collection Operations								

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Mgmt and Mission Tracking								
Mgmt & Optns of Collection Resources – Support Operations								
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises								
Mgmt & Optns of Collection Resources – IT Support Infrastructure								
Posting of Info/Data – RT or NRT Collection Reporting								
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing								
C2A2 – Analysis								
C2A2 – Analysis Support								
Financial Management - Planning								
Financial Management – Programming								
Financial Management – Budgeting								
Financial Management - Accounting and Finance								
Financial Management – Internal Review								
HR and Training – Manpower								
HR and Training – Personnel								
HR and Training – Training and Education								
Mgmt Oversight – Program Management								
Mgmt Oversight – Research and Development								
Mgmt Oversight – Acquisition								
Mgmt Oversight – Materiel Mgmt								
Mgmt Oversight – Security Programs								
Mgmt Oversight – External Agency								

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Measures								
Other								

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Table 2a - Please fill in table(s); repeat if you have detailees from more than five DoD organizations in your Pentagon space:

Building Number (Text):	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Other Orgn	Detailees (Pers)
Acquisition – Research and Development												
Acquisition – Engineering												
Acquisition – Specialized Training												
Acquisition – Supporting Communication Infrastructure												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term												
Levying Intel Collection Rqmts – Tasking of Collection												
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking												
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets												
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking												
Mgmt & Optns of Collection Resources – Support Operations												
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises												
Mgmt & Optns of Collection Resources – IT Support Infrastructure												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Posting of Info/Data – RT or NRT Collection Reporting												
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing												
C2A2 – Analysis												
C2A2 – Analysis Support												
Financial Management - Planning												
Financial Management – Programming												
Financial Management – Budgeting												
Financial Management - Accounting and Finance												
Financial Management – Internal Review												
HR and Training – Manpower												
HR and Training – Personnel												
HR and Training – Training and Education												
Mgmt Oversight – Program Management												
Mgmt Oversight – Research and Development												
Mgmt Oversight – Acquisition												
Mgmt Oversight – Materiel Mgmt												
Mgmt Oversight – Security Programs												
Mgmt Oversight – External Agency Measures												
Other												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Table 2b - Please fill in table(s); repeat if you have detailees to more than five DoD organizations located in Pentagon space:

Building Number (Text):	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Parent Orgn	Detailees (Pers)	Other Orgn	Detailees (Pers)
Acquisition – Research and Development												
Acquisition – Engineering												
Acquisition – Specialized Training												
Acquisition – Supporting Communication Infrastructure												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Long Term												
Levying Intel Collection Rqmts – Rqmts Validation and Prioritization – Short Term												
Levying Intel Collection Rqmts – Tasking of Collection												
Mgmt & Optns of Collection Resources – Sensor/Collection System/Asset Planning &Tasking												
Mgmt & Optns of Collection Resources – Residual Stateside Support for Deployment of Assets												
Mgmt & Optns of Collection Resources – Collection Operations Mgmt and Mission Tracking												
Mgmt & Optns of Collection Resources – Support Operations												
Mgmt & Optns of Collection Resources – Mission Tailored Training, Demos and Exercises												
Mgmt & Optns of Collection Resources – IT Support Infrastructure												
Posting of Info/Data – RT or NRT												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____

NAME OF REPORTING ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

Collection Reporting												
Posting of Info/Data – RT or NRT Cross System Tasking/Cueing												
C2A2 – Analysis												
C2A2 – Analysis Support												
Financial Management - Planning												
Financial Management – Programming												
Financial Management – Budgeting												
Financial Management - Accounting and Finance												
Financial Management – Internal Review												
HR and Training – Manpower												
HR and Training – Personnel												
HR and Training – Training and Education												
Mgmt Oversight – Program Management												
Mgmt Oversight – Research and Development												
Mgmt Oversight – Acquisition												
Mgmt Oversight – Materiel Mgmt												
Mgmt Oversight – Security Programs												
Mgmt Oversight – External Agency Measures												
Other												

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #6 – New Construction

Question: Complete the table for facilities currently under construction and associated infrastructure for the intelligence activities.
Source / Reference: President's Budget/Facility Manager
Amplification: 1. Include Military Construction (MILCON) projects funded and already started, or funded up through the FY 04 National Defense Appropriations Act. Include Sustainment, Restoration and Modernization (SRM) (3400 appropriation) and MILCON (3300 appropriation) projects awarded in FY 03 and previous years that are NOT construction complete. DO NOT INCLUDE SRM projects, unless the project cost exceeds 50 percent of the plant replacement value. Include FY 04 MILCON projects that have been authorized and/or appropriated.
2. DoD Facility Category Code = If the project changes the existing category code or facility type, list the new category code and facility type. (A copy of the 4-digit table to be used is provided for reference.)
3. GSF = Gross Square Feet. The definition of GSF is all floor area in a building measured to the outer surfaces of exterior or enclosing walls. Tenants on military installations should confirm assignments of GSF with their host entity.
When filling in the "Occupancy Status" column, verify occupancy status and use "V" = Vacant (entire facility must be vacant) or "O" = Occupied (for either partial or complete occupancy).
4. Total USF = Usable Square Feet. This measure of square feet should be used when responding to questions about owned and leased space (inclusive of space that is owned by the Federal government but controlled by a non-DoD entity such as GSA) and when responding to questions about the amount of space used by a specific activity within a larger amount of assigned space. USF is the space on a building floor(s) that a tenant can occupy with personnel, furniture and equipment (including an internal circulation factor). BE SURE TO INCLUDE SCIF SPACE.
5. Total SCIF USF = Total amount of space identified for SCIFs. This may be the same or a subset of the USF.
6. Add rows as necessary for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key. At the end of the row, hit TAB key to bring down a new row for the next building. For each new building identified, complete the table in Question #2 to identify the Activities and Useable Square Feet assigned to each.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	Building Name (Text)	Actual Street Address (Text)	City (Text)	State (Text)	Zip Code (Text)	DoD Facility Cat Code (4 digit)	Project Fiscal Year (YYYY)	Total Gross Square Feet (GSF)	Total Useable Square Feet (SF)	Total SCIF Useable Square Feet (SF)	Estimated Completion Date (MM/YY)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #7 – Workyears for Management Activities

Question: What are the Budgeted and Actual Work Years (WY) for the Management Activities listed below in blue for your organization?
Sources / Reference: President's Budget and Manning Documents
1. Budgeted Work Year is based on applicable President's Budget for that fiscal year.
2. Actual Work Year is calculated based on 2087 hours and is the official position reported in the applicable President's Budget.

Check here if this question is not applicable (N/A): ☐

Please fill in the following table(s):

Subfunction/Attribute	Budgeted FY 01 (WY)	Actual FY 01 (WY)	Budgeted FY 02 (WY)	Actual FY 02 (WY)	Budgeted FY 03 (WY)	Actual FY 03 (WY)
Financial Management - Planning						
Financial Management – Programming						
Financial Management – Budgeting						
Financial Management - Accounting and Finance						
Financial Management – Internal Review						
HR and Training – Manpower						
HR and Training – Personnel						
HR and Training – Training and Education						
Mgmt Oversight – Program Management						
Mgmt Oversight – Research and Development						
Mgmt Oversight – Acquisition						
Mgmt Oversight – Materiel Mgmt						
Mgmt Oversight – Security Programs						
Mgmt Oversight – External Agency Measures						

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #8 – Accounting and Finance Transactions

Question: For each finance and accounting activity by location (see amplification), what was the total number of accounting transactions processed by the accounting function and the total dollar amount as of year-end FY 01, FY 02, and FY 03?
Source / Reference: All Activities performing any accounting & finance work.
Amplification: 1. Accounting Function includes the various functional operations involved in authorizing, recording, classifying, analyzing, and reporting financial information related to financing sources, gains, expenses, losses, transfers, assets liabilities, equity and internal controls. Report results of operations and use accounting information to aid decision-makers. Provide results of operations and use accounting information to aid decision-makers. Provide responsive, professional finance and accounting service to the DoD by recording financial events, classifying, analyzing, summarizing, and reporting the results of business transactions in financial (monetary) terms.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.
3. A transaction is any action recorded in transaction history file, other files, or line of accounting.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	FY 01 Total Number of Accounting Transactions (Count)	FY 01 Total Dollar Amount ($K)	FY 02 Total Number of Accounting Transactions (Count)	FY 02 Total Dollar Amount ($K)	FY 03 Total Number of Accounting Transactions (Count)	FY 03 Total Dollar Amount ($K)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #9 – Accounting and Finance Civilian Pay Transactions

Question: For each finance and accounting activity by location (see amplification), what was the total number of DoD civilians serviced and total number of civilian pay transactions as of year-end FY 01, FY 02, and FY 03?
Source / Reference: Accounting and Finance records
Amplification: 1. DoD Civilian Pay Function includes all functions related to civilian pay operations; debt and claims management; garnishments; congressional inquiries; electronic commerce; related systems management; and systems test and associated procedures. Civilian Pay services exclude administrative functions of the Customer Service Representatives, Liaisons, and Timekeepers.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.
3. A transaction is any action recorded in transaction history file, other files, or line of accounting.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	FY 01 Total Number of DoD Civilians Serviced (Count)	FY 01 Total Number of DoD Civilian Pay Transactions (Count)	FY 02 Total Number of DoD Civilians Serviced (Count)	FY 02 Total Number of Civilian Pay Transactions (Count)	FY 03 Total Number of DoD Civilians Serviced (Count)	FY 03 Total Number of Civilian Pay Transactions (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #10 – Accounting and Finance Vendor Payments

Question: For each finance and accounting activity by location (see amplification), what was the total number of vendor payments processed as of year-end FY 01, FY 02, and FY 03?
Source / Reference: Accounting and Finance records
Amplification: 1. Vendor Pay Function includes all functions related to vendor pay.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.
3. A transaction is any action recorded in transaction history file, other files, or line of accounting.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary

Building Number (Text)	FY 01 Total Number of Vendor Payments Processed (Count)	FY 02 Total Number of Vendor Payments Processed (Count)	FY 03 Total Number of Vendor Payments Processed (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #11 – Accounting and Finance Contract Payments

Question: For each finance and accounting activity by location (see amplification), what was the total number of contract payments processed as of year-end FY 01, FY 02, and FY 03?
Source / Reference: Accounting and Finance records
Amplification: 1. Contract Pay Function includes all functions related to contract pay.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.
3. A transaction is any action recorded in transaction history file, other files, or line of accounting.

Check here if this question is not applicable (N/A):

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary

Building Number (Text)	FY 01 Total Number of Contract Payments Processed (Count)	FY 02 Total Number of Contract Payments Processed (Count)	FY 03 Total Number of Contract Payments Processed (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #12 – Human Resource Services

Question: For each Human Resource activity by location, what is the number of personnel serviced by Headquarters Human Resources – Personnel for year-end FY 01, FY 02 and FY 03?
Source / Reference: Human Resource records
Amplification: 1. Includes all DoD civilians and military serviced by the Headquarters Human Resources.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	FY 01 Total Number of DoD Civilians Serviced (Count)	FY 01 Total Number of Military Serviced (Count)	FY 02 Total Number of DoD Civilians Serviced (Count)	FY 02 Total Number of Military Serviced (Count)	FY 03 Total Number of DoD Civilians Serviced (Count)	FY 03 Total Number of Military Serviced (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #13 – Human Resources New Hire Processing

Question: What is the number of new hire personnel processed by Headquarters Human Resources – Personnel for FY 01, FY 02 and FY 03?
Source / Reference: Human Resource records
Amplification: 1. Includes all civilian new hires within a fiscal year.
2. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	FY 01 Total Number of Resumes Received (Count)	FY 01 Total Number of Applicants Interviewed (Count)	FY 01 Total Number of Applicants Hired (Count)	FY 02 Total Number of Resumes Received (Count)	FY 02 Total Number of Applicants Interviewed (Count)	FY 02 Total Number of Applicants Hired (Count)	FY 03 Total Number of Resumes Received (Count)	FY 03 Total Number of Applicants Interviewed (Count)	FY 03 Total Number of Applicants Hired (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #14 – Human Resources Training

Question: For each Human Resource training and education activity by location, what are the size and number of classrooms, number of student seats, number of laboratory teaching facilities, number of libraries, and type of Video Teleconferencing network? All data should be as of end of year FY 03.
Source / Reference: Human Resource training records
Amplification: Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	Number of Classrooms – Class A**(Count)	Number of Classrooms – Class B**(Count)	Number of Classrooms – Class C**(Count)	Number of Classrooms – Class D**(Count)	Total Student Capacity of Classrooms – Number of Student Seats (Count)	Number of Laboratory Teaching Facilities (Count)	Total Capacity of Laboratories – Number of Student Seats (Count)	Library Facilities* – SF (Count)	VTC Facilities* – Unclassified (Count)	VTC Facilities* - Classified (Count

* Only include facilities dedicated to Training and Education
** Class A classrooms have a student capacity of 3 – 10
** Class B classrooms have a student capacity of 11 – 24
** Class C classrooms have a student capacity of 25 – 50
** Class D classrooms have a student capacity of 51+

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #15 – Human Resources Student Completions and Student Counts

Question: For each Human Resource training and education activity by location, what are the number of student completions, student training days, average student population and average daily e-Learning population for FY 01, FY 02 and FY 03?
Source / Reference: Human Resource training records
Amplification: Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	FY 01 Total Number of Student Completions (Count)	FY 01 Total Number of Student Days (Count)	FY 01 Average Student Population (Count)	FY 01 Average Daily e-Learning Population (Count)	FY 02 Total Number of Student Completions (Count)	FY 02 Total Number of Student Days (Count)	FY 02 Average Student Population (Count)	FY 02 Average Daily e-Learning Population (Count)	FY 03 Total Number of Student Completions (Count)	FY 03 Total Number of Student Days (Count)	FY 03 Average Student Population (Count)	FY 03 Average Daily e-Learning Population (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #16 – Human Resources Full Time Instructors and Degrees Granted

Question: For each Human Resource training and education activity by location, what are the number of full-time instructors and number of degrees granted (Associate, Bachelor or Masters/Higher) for FY 01, FY 02 and FY 03?
Source / Reference: Human Resource training records
Amplification: 1. Do not include Adjunct Faculty or contractor instructors. Express number in Full-Time Equivalents.
2. Full-Time Equivalent (FTE) = Full Time Equivalent is calculated based on 2087 hours.
3. Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number) (Text)	FY 01 Number of Instructors (FTE) (Count)	FY 01 Number AA or Equivalent Degrees Granted (Count)	FY 01 Number Bachelor Degrees Granted (Count)	FY 01 Number of Masters or Higher Degrees Granted (Count)	FY 02 Number of Instructors (FTE) (Count)	FY 02 Number Associate or Equivalent Degrees Granted (Count)	FY 02 Number Bachelor Degrees Granted (Count)	FY 02 Number of Masters or Higher Degrees Granted (Count)	FY 03 Number of Instructors (FTE) (Count)	FY 03 Number AA or Equivalent Degrees Granted (Count)	FY 03 Number Bachelor Degrees Granted (Count)	FY 03 Number of Masters or Higher Degrees Granted (Count)

MILITARY DEPARTMENT / AGENCY/ ORGANIZATION: _____
NAME OF REPORTING ORGANIZATION: _____
ADDRESS: _____
CITY, STATE, ZIP: _____

IJCSG #17 – Human Resources Projected Student Population

Question: For each Human Resource training and education activity by location, what is the projected student population for FY 04-09?
Source / Reference: Human Resource training records
Amplification: Location: If the function is performed in separate buildings, provide the function's data broken out by each building. Add a row for each building.

Check here if this question is not applicable (N/A): ☐

NOTE: To move between the blocks, hit the TAB key after entering the data. At the end of the row, hit the TAB key to bring down a new row for the next building.

Please fill in the following table(s), adding rows as necessary:

Building Number (Text)	Projected Student Population FY 04 (Pers)	Projected Student Population FY 05 (Pers)	Projected Student Population FY 06 (Pers)	Projected Student Population FY 07 (Pers)	Projected Student Population FY 08 (Pers)	Projected Student Population FY 09 (Pers)

INTELLIGENCE JOINT CROSS SERVICE GROUP (IJCSG)

CAPACITY ANALYSIS DATA CALL INSTRUCTIONS

INTRODUCTION:

Definition and Scope:

The Intelligence Joint Cross-Service Group (IJCSG), as approved by the Secretary of Defense (SECDEF), has been established to address common intelligence business functions and processes throughout the Department of Defense, to include the Military Departments, Defense Intelligence Agency (DIA), National Security Agency (NSA), National Geospatial-Intelligence Agency (NGA), and National Reconnaissance Office (NRO).

The IJCSG has identified four broad functions within the Defense intelligence community. Each function has been assigned to a Subgroup to manage data collection and initial analysis. The four Subgroups are:

1. Sources and Methods
2. Correlation/Collaboration/Analysis/Access (C2A2)
3. National Decisionmaking and Warfighting Capabilities*
4. Management Activities

* The IJCSG has determined this Subgroup's activities are more relevant to the Military Value assessment than the Capacity Analysis effort. Therefore, this Subgroup will be used for analysis beginning with Step Two of the BRAC 2005 process.

Organization:

The IJCSG will use three of its four Subgroups to document present capabilities by assessing current organizational compositions and business processes. Later in the BRAC process, capacity analysis information will be mapped to desired future capabilities using the Department's transformation concepts and preferred organizational construct. The IJCSG anticipates the desired end state of significantly improved, joint, integrated end-to-end intelligence capabilities will impact present facility usage.

DATA COLLECTION METHODOLOGY:

Each of the three Subgroups has been broken down into Subfunctions with associated Attributes that further define the various activities to be reviewed. Data will be collected for the capacity analysis using these breakouts. Data will be collected on the number of personnel,

square feet of space, and equipment required to accomplish the Subfunctions and associated Attributes. An outline is provided for reference in the overview to the questions.

INSTRUCTIONS:

1. As of Date: All data is as of 30 September 2003 (e.g., authorized personnel).

2. Scope: Report data for all locations in the United States (includes the 50 states, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Virgin Islands, American Samoa, and any other territory or possession of the United States).

3. Classification: Do **not** provide any information that exceeds the TS/SI/TK/B/G/HCS level of classification. If the answer to the question exceeds the TS/SI/TK/B/G/HCS level classification, please contact Glenn Price at 703-602-9967 for further instructions. **Every single data entry requires a classification marking.** If the data is unclassified, it should be marked (U). The classification marking **MUST** precede the actual data. For example, if the square footage is 250 and it is considered TOP SECRET, it would be entered as (TS) 250 in the designated block.

4. Organization Address: Each Military Department, Agency, or Intelligence organization must input their name in the header of their response package. This ensures each page is identified appropriately.

5. Question Format: All questions are formatted in Microsoft Word as follows:
   - Question – Following the question number, a brief subject title identifies the data to be collected. The question then follows identifying the specific data that is required (e.g., square feet, personnel). Tables are then provided for filling in the data. Question number one is a baseline space question that asks for building information by organization/agency. The remaining questions request data based on the Subfunctions and Attributes (functional activities) identified in Section I.
   - Source/Reference – Potential sources of data have been provided. **Responders are required to review and update** as necessary to fully identify the actual source(s) of the data as a part of the data certification process.
   - Amplification – Additional clarification and definition of the data required and how it is to be presented is provided in this section.
   - Tables – Tables are provided as formats for providing the data required. Some will need to be duplicated for each Building reported or if there are more than five detailees to or from another DoD intelligence organization. Some require adding rows for each building reported.

6. Data Format:
   - Labels – Tables have identifiers in the headings that indicate the type of information requested. These include the following:
     - (Count) – Indicates whole number required (e.g., number of classrooms, accounting transactions, etc.)

  - (Pers) – Indicates whole number count of personnel (Amplification section will indicate if Full Time Equivalent (FTE) is required).
  - (Text) – Indicates alpha or alpha-numeric response (e.g., street address, building number, etc.)
  - (SF) or (GSF) – Indicates Square Feet or Gross Square Feet in whole numbers is required. Insert whole numbers only without commas.
  - (YYYY) – Indicate appropriate fiscal or calendar year requested (e.g., 2003)
  - (MM/YY) – Indicate appropriate calendar date required (e.g., January 2004 would be entered 01/04).
  - ($K) – Provide dollars to the nearest thousand in whole numbers only. See sample below.
- Space Numbers – Input should be whole numbers only without commas; no text unless specified. Example: Data request is for "Useable Square Feet" for a building that has 30,000 useable square feet; input should be – "30000".
- Personnel Numbers – Input should be whole numbers only without commas; no text unless specified. Example: Request for Number of Civilians in an office of 55 authorized civilians; input should be "55".
- Dollar Numbers – Dollars should be provided to the nearest thousand in whole numbers without commas and no dollar sign. Example: Budget number of $1,000,000 (one million dollars), input should be "1000". Budget number of $450,890, input should be "451".
- State – Use the 2 digit US Post Office designator in ALL CAPS. Example: State of Virginia, input should "VA".
- Zip Code – Input the 9 digit zip code without any spaces or a hyphen. Example: Zip code 22314-1324, input should be "223141324".
- Full Text Responses – Data request will specify if a text answer is required, and a text field is provided. Answers should be short and concise.
- Specified Text Questions – Some questions have a specified multiple choice or "YES/NO" response required. Example: Request is to determine if space is Occupied = O or Vacant = V. Values are provided in the appropriate row; input should be "O" or "V" as appropriate without punctuation. If answer is YES/NO – Provide "YES" or "NO" response in ALL CAPS.
- Classification – Each data entry must be preceded with a classification marking. The classification should be fully enclosed within parentheses and a space before the answer is input. For example, a personnel count of 245 is classified TS/SI/TK would be input as "(TS/SI/TK) 245" in the appropriate block.

7. **ALL DATA FIELDS MUST BE FILLED IN**. For those specific data elements that are not applicable to your activity, so designate with "(U) **N/A**" in the appropriate data field. If a whole table is not applicable, there is an option to check the block at the beginning of the table.

8. Tables are provided for each question to collect the responses. These tables will need to be duplicated or expanded as required to accommodate all the responses. For example, when an activity is accomplished in more than one building, a duplicate table or additional rows to the existing table will be required. Each table is marked accordingly.

9. If the responder needs to provide any additional information or further explanations, a footnote below the appropriate table on the response page may be used. Ensure appropriate Security markings are used and refer to the specific data element.

Questions or information requests should be referred to Glenn Price at 703-602-9967.

2 Attachments:
1. Section I - Overview
2. Section II – IJCSG Questions

Base Realignment and Closure 2005

Capacity Analysis Data Call Guidance
for the
Defense Intelligence Community

The Secretary of Defense memorandum of November 15, 2002, established the authorities, organizational structure, goals, and objectives for the Department's implementation of the Defense Base Closure and Realignment Act of 1990 (Sections 2901-2914 of Public Law 101-510, as amended (Appendix A) (BRAC). With few exceptions, BRAC establishes the exclusive procedures under which the Secretary of Defense may pursue realignment or closure of military installations inside the United States until April 15, 2006. The United States is defined as "the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Virgin Islands, American Samoa, and any other territory or possession of the United States."

In the aforementioned memorandum, the Secretary stated, "At a minimum, BRAC 2005 must eliminate excess physical capacity; the operation, sustainment and recapitalization of which diverts scarce resources from defense capability. However, BRAC 2005 can make an even more profound contribution to transforming the Department by rationalizing our infrastructure with defense strategy. BRAC 2005 should be the means by which we reconfigure our current infrastructure into one in which operational capacity maximizes *both* warfighting capability and efficiency."

"A primary objective of BRAC 2005, in addition to realigning our base structure to meet our post-Cold War force structure, is to examine and implement opportunities for greater joint activity. Prior BRAC analyses considered all functions on a service-by-service basis and, therefore, did not result in the joint examination of functions that cross services. While some unique functions may exist, those functions that are common across the Services must be analyzed on a joint basis.

Accordingly, the BRAC 05 analysis will be divided into two categories of functions.

- Joint cross-service teams will analyze the common business-oriented support functions and report their results through the

[Infrastructure Steering Group] ISG to the [Infrastructure Executive Council] IEC.
- The Military Departments will analyze all service unique functions and report their results directly to the IEC."

Initially, the ISG established six joint cross-service groups (JCSGs) (Education and Training; Headquarters and Support Activities; Industrial; Medical; Supply and Storage; and Technical) to review common, business-oriented functions across the Military Departments and Defense Agencies. On 27 June 2003, the ISG decided to establish a seventh JCSG to review intelligence functions. This decision marks the first time in the history of the BRAC process that "intelligence" has been specifically identified for a separate review. In each of the four previous BRAC efforts, defense intelligence-related information was captured in the aggregate with other major DoD functionalities and not addressed in specific terms.

In BRAC 2005, the Intelligence Joint Cross-Service Group (IJCSG) is responsible for conducting a broad, comprehensive review of the entire Defense intelligence community. The Chair, ISG stated in a 30 July memorandum to the IJCSG that the group "must perform a detailed analysis of existing capabilities and capacity and develop recommendations that best satisfy DoD requirements."

The objective is to map present capabilities using current organizational compositions and business processes against desired future capabilities using the Department's transformational concepts and preferred organizational construct to identify preferred realignment and closure options. The desired end state of significantly improved, joint, integrated end-to-end intelligence capabilities will impact present facility usage. The IJCSG will document these real estate implications for BRAC 2005 through a review of the following functions:

A. <u>Sources and Methods</u>

- Present sources, to include geospatial, signals, and human-derived intelligence
- New technologies and means

Today, the Department's intelligence collection function is largely organized around functions and is Service oriented. Exploitation and processing is done by specific "INT. In the future, DoD will need to become more joint oriented and information focused. Horizontal integration will permit it to realize the advantages of net-centric operations. As DoD begins to employ new systems and divests itself of extant collection platforms, the real estate footprint, processes, and functions will undoubtedly change. The IJCSG will assess the affect of those changes on physical facility usage.

B. Correlation/Collaboration/Analysis/Access

- National/Theater/Tactical intelligence

A primary objective of the Defense intelligence community is to integrate horizontally its intelligence functions. This should identify redundant activities and associated infrastructure.

C. National Decisionmaking and Warfighting Capabilities

The joint operational concepts being developed in DoD will drive future intelligence transformation and functional realignments. Like the military operators, the Defense intelligence community is adopting a capabilities-based approach to help guide its evolution. This capabilities-based approach is consistent with the Department's strategy and planning guidance and emphasizes the importance of satisfying national-level policy and joint operational customer needs. The IJCSG will ensure capabilities-based considerations and intelligence consumer satisfaction are factored into the BRAC 2005 review.

D. Management Activities

- Investment/Process Reform

One of DoD's biggest challenges is to make the Defense intelligence community more flexible and adaptable. Refinement and reform must be incorporated using shorter lead times; corrective measures must be implemented faster; and technology advancements must be adopted with greater rapidity.

The IJCSG is not excluding any function from its extensive review of the Defense intelligence community. The intent is not to conduct individual program reviews, but to evaluate how the capabilities represented in the programs are integrated into a survivable, joint, interoperable, end-to-end architecture and system that meets the needs of both national decisionmakers and warfighters.

The first major step in the BRAC 2005 process involves the establishment of a personnel and facility baseline. This step is accomplished in large part through a "Capacity Analysis" data call. This data call, the first among many, is designed to establish the Defense intelligence community's real estate footprint. The focus is on identifying the numbers of personnel, their geographic location, and the square footage of workspace used to perform given tasks. Subsequent data calls will address other issues like military value.

The Chair, IJCSG requests each Military Department and Defense intelligence agency (National Security Agency, National Reconnaissance Office, Defense Intelligence Agency, and National Geospatial-Intelligence Agency) complete the attached questionnaire. The questions have been coordinated with those being issued by the other six JCSGs and the Military Departments, and are tailored specifically for the Defense intelligence community.

Coordination. The Chair, IJCSG requests each Military Department and Defense intelligence agency coordinate their responses, as required, with all appropriate organizations, to include the Joint Chiefs of Staff, J2, and the Combatant Commands. Collectively, the responses should capture the entire Defense intelligence community. Please provide the Chair, IJCSG no later than 29 March 2004 your internal dissemination and external coordination plan for the Capacity Analysis data call. The IJCSG will be required to document in detail to the ISG that all appropriate levels of each organization participated in the data call and that the responses were coordinated fully with all necessary external organizations in the Defense intelligence community.

Certification. The Military Departments and Defense intelligence agencies are required to certify electronically and in hard copy form that the response to this questionnaire is complete and accurate. Please note, EVERY major

organizational echelon head involved in providing responses to the BRAC 2005 data calls also must certify as to the accuracy and completeness of the information provided. Copies must be retained by each level in the Chain of Command for audit purposes. A certification form is enclosed.

Documentation. EVERY answer provided in a BRAC 2005 data call MUST be backed by documentation. The DoD Inspector General's Office will visit each of the Defense intelligence agencies to verify data call responses and review official source documentation (e.g., building leases, budget documents, authorized personnel rosters, etc.). Each of the Military Departments' Inspector General offices will conduct similar reviews of their respective organization. In the rare event an official documentation is not available, the responder is expected to document the methodology used to answer the questions and apply the same methodology to all relevant questions. When in doubt as to how best to document an answer to a question, please contact your organization's Inspector General's office and BRAC representatives.

Format. The questionnaire is in Microsoft Word. Responses should be provided in the same format. Please provide your organization's answers to all questions on one CD, if possible.

Security. Every effort should be made to provide complete answers to every question at the lowest level of classification possible. Every precaution should be made to ensure unclassified as well as classified responses are safeguarded throughout the entire data gathering and coordination process. The BRAC process generates very politically sensitive information. All BRAC data that may be used for deliberative purposes, therefore, MUST be treated as CLOSE HOLD and made available only to personnel who have a need to know and have signed a Non-Disclosure Agreement (NDA) with the IJCSG office. A NDA form is enclosed. All BRAC data must contain the following header and footer statement:

Draft Deliberative Document – For Discussion Purposes Only
Do Not Release Under FOIA

Point of clarification: Responders to just the data call questions do not need to sign a NDA. Responders are requested to indicate the classification of their answer to **each** question along with proper DoD approved handling

instructions. Unclassified information must be indicated as (U) or (FOUO). Do **not** provide any information that exceeds the TS/SI/TK/B/G/HCS level of classification. If the answer to the question exceeds the TS/SI/TK/B/G/HCS level classification, please bring this to the attention of your organization's BRAC representatives for further guidance. All classified responses are to be returned through secure means. Please contact your organization's BRAC representatives to arrange for the most convenient and secure means of providing your response. All Defense intelligence related information collected under the auspices of BRAC 2005 will be housed in a DIA certified SCIF, loaded onto an NSA, DIA, and NRO approved compartmented, standalone computer, and restricted to a few, fully cleared, personnel with a well documented "need to know." When it proves necessary, special security measures will be implemented to accommodate special access program information. The Chair, IJCSG will work with each Defense intelligence community component to ensure all classified data is fully protected in accordance with relevant security policies and regulations.

Suspense. The questionnaire must be completed no later than 14 May 2004. Please provide responses as soon as possible. Due to a full calendar of follow-on BRAC activities, suspense extensions cannot be granted.

Questions regarding this action should be directed to Glenn Price, OUSD(I), at 703-602-9967 or glenn.price@osd.mil.

BRAC 2005 CERTIFICATION

In accordance the Secretary of Defense's 15 November 2002 memorandum entitled "Transformation Through Base Realignment and Closure," personnel of the Department of Defense, uniformed and civilian, who provide information for use in the BRAC 2005 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC 2005 process must certify that information. The attached form is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

FIRST ECHELON

_____	_____
NAME (Please type or print)	Signature
_____	_____
Title	Date
_____	_____
Organization	Telephone Number

NEXT ECHELON

NAME (Please type or print)	Signature
Title	Date
Organization	Telephone Number

NEXT ECHELON

NAME (Please type or print)	Signature
Title	Date
Organization	Telephone Number

NEXT ECHELON

NAME (Please type or print)	Signature
Title	Date
Organization	Telephone Number

SECRETARIES OF THE MILITARY DEPARTMENTS
DIRECTOR, DEFENSE INTELLIGENCE AGENCY
DIRECTOR, NATIONAL SECURITY AGENCY
DIRECTOR, NATIONAL RECONNAISSANCE OFFICE
DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
OR
THEIR OFFICIAL DESIGNEES

NAME (Please type or print)	Signature
Title	Date
Organization	Telephone Number

CLOSE HOLD

Material contained herein is sensitive. Release of data or analysis pertaining to evaluation of military bases for closure or realignment is restricted until the Secretary of Defense forwards recommendations to the Defense Base Closure and Realignment Commission in May 2005. All individuals handling this information should take steps to protect the material herein from disclosure.

Deliberative Document – For Discussion Purposes Only
Do Not Release Under FOIA

Office of the Deputy Under Secretary of Defense
(Installations and Environment)

Room 3D814
(703) 614-5356

CLOSE HOLD

Nondisclosure Agreement

My duties include work assignments and responsibilities in which I may acquire personal knowledge of or access to information concerning the development of recommendations relating to potential closure or realignment of military installations in the Base Realignment and Closure (BRAC) 2005 process. I understand and agree that it is my duty and obligation to comply with the provisions of this agreement respecting such information, and that my violation of this agreement may result in disciplinary action.

1. I understand that the development of any BRAC 2005 information, written or oral, pursuant to the Defense Base Closure and Realignment Act of 1990, as amended, is an official, sensitive, and deliberative process. "Written" information includes all electronic and hard copy forms of communication. I further understand that the development of such information is not limited to final documents or products, but also includes all draft and feeder documents, briefings and notes, as well as any other related oral or written communication.

2. The public and all levels of federal, state, and local government have a right to expect and trust that the BRAC 2005 process will be conducted objectively and impartially. Any unauthorized disclosure of BRAC information undermines that expectation and trust and is therefore prohibited. Unauthorized disclosures may also constitute a violation of law and DoD or Military Department directives, regulations, instructions, policies, or guidance. I promise not to disclose any BRAC information, except as specifically authorized.

3. I further understand that any document or any other written communication, whether draft or final, is the official property and record of the Department of Defense and shall be retained, disseminated, released, and destroyed in accordance with requirements of law and applicable DoD or Military Department directives, regulations, instructions, policies or guidance.

4. I understand that the provision of this agreement bind me personally until the Secretary of Defense transmits BRAC recommendations to the Commission and Congress even if I am reassigned to other duties or stations, retire, or otherwise cease employment or any contract, agency, or other relationship or association with the Department of Defense.

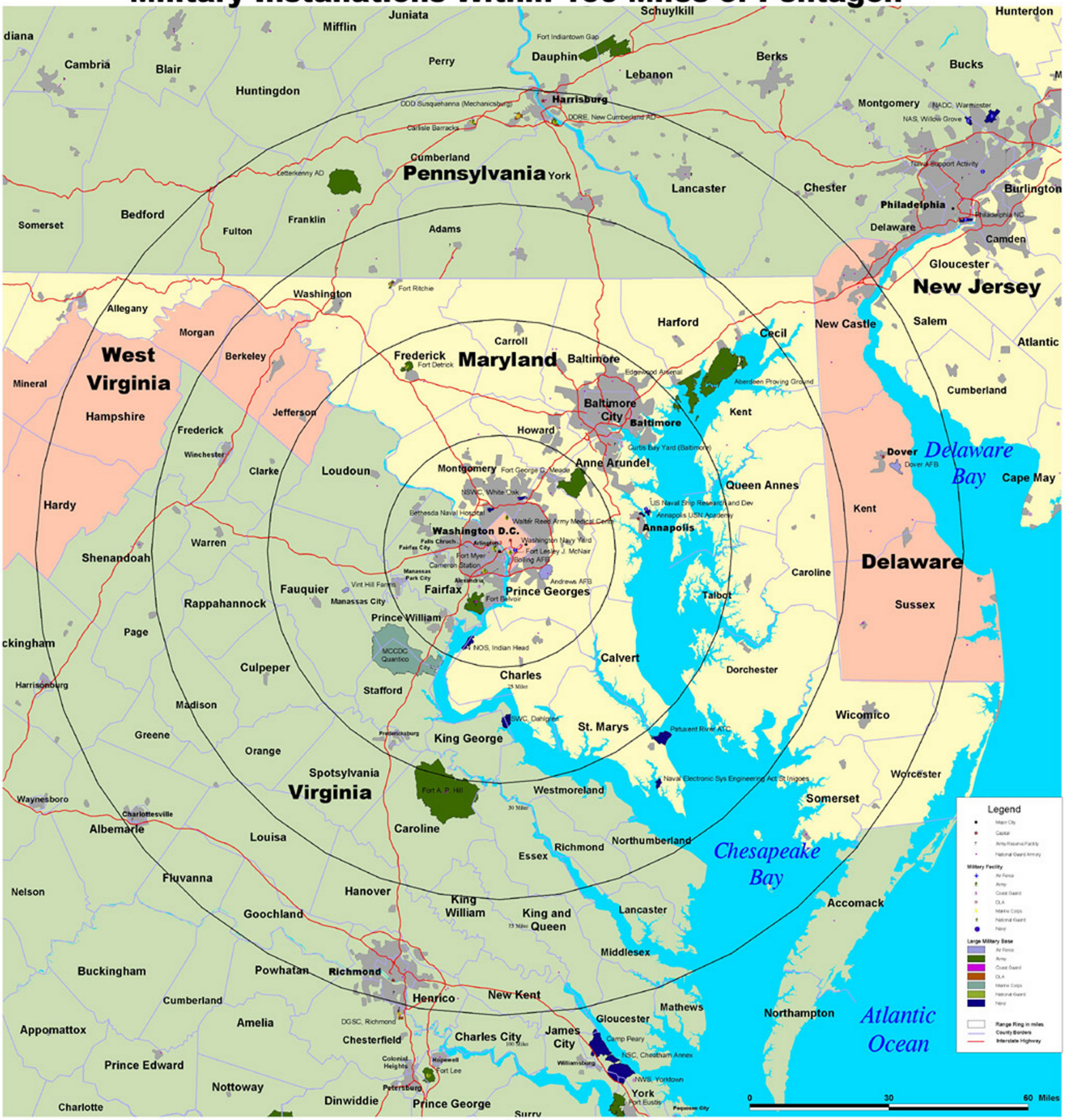
_____ _____

Signature Date

_____

Name Printed

Military Installations Within 100 Miles of Pentagon



Created by NIMA Joint Staff/OUSDP Geospatial Analysis
11 April 2002

DoD 4-Digit Facility Analysis Category Codes

Code	Title	UM	Description
1111	Fixed -Wing Runway, Surfaced	SY	A paved surface designed for the alnding and takeoff of fixed-wing aricraft that can also accommodate rotary-wing aircraft. The surface is usually concrete or asphalt. Runway lighting is not included, but is captured under Facility Analysis Category 136
1112	Rotary-Wing Landing Area, Surfaced	SY	A paved surface designed for the landing and takeoff of rotary wing aircraft. The surface is usually concrete or asphalt. It can be either a helipad or a runway. Helipad or runway lighting is not included, but is captured under Facility Analysis Catego
1113	Runway Overrun Area, Surfaced	SY	An extension of a runway surface. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.
1114	Runway, Unsurfaced	SY	An unpaved surface designed for the landing and takeoff of fixed-wing aircraft. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.
1121	Taxiway, Surfaced	SY	A paved surface designed for the movement of fixed-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroP
1122	Rotary-Wing Taxiway, Surfaced	SY	A paved surface designed for the movement of rotary-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from Micro
1131	Aircraft Apron, Surfaced	SY	A paved surface designed for standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. Aprons support such activities as aircraft parking, loading, and maintenance. CCF is derived from PACES. SCF is derived from MicroPave
1161	Compass Calibration Pad, Surfaced	SY	A paved area in a magnetically quiet zone of the airfield used for the precise calibration of all types of air navigational equipment. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.
1162	Missile Launching Pad, Surfaced	SY	A paved surface designed for the erection and launching of a guided missile. The surface is usually concrete. CCF is derived from PACES. SCF is derived from MicroPaver.
1163	Aircraft Washing Pad, Surfaced	SY	A paved surface designed for washing of standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.
1164	Miscellaneous Airfield Pavement, Surfaced	SY	A paved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.
1165	Aircraft Pavement Shoulder	SY	The shoulders of runways, taxiways, etc. CCF is derived from PACES. SCF is derived from MicroPaver.
1166	Miscellaneous Airfield Pavement, Unsurfaced	SY	An unpaved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface can be dirt, gravel, or grass. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.
1167	Aircraft Rinse Facility	SY	A central facility for rinsing aircraft to remove dirt and pollutants. CCF is derived from PACES. SCF is derived from MicroPaver.
1211	Aircraft Fueling Facility	GM	A facility for the direct fueling of aircraft or for the filling of aircraft fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Servic

DoD 4-Digit Facility Analysis Category Codes

Code	Title	UM	Description
1212	Aircraft Defueling Facility	GM	A facility for the direct defueling of aircraft. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.
1221	Marine Fueling Facility	GM	A facility for the direct fueling of ships. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.
1231	Vehicle Fueling Facility	OL	A facility for the direct fueling of land vehicles or for the filling of fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from USACE data. SCF is based on
1241	Operating Fuel Storage	GA	Storage tanks that provide an operating and reserve supply of fuel. Cost factors are based on a 5000 GA tank. CCF is derived from USACE data. SCF is derived from RS Means.
1251	POL Pipeline	MI	Pipelines for the transfer of operating and reserve supplies of petroleum, oil, and lubricant products. CCF is derived from Marshall & Swift data. SCF is derived from a ratio of multiple FACs.
1261	Liquid Fuel Loading/Unloading Facility	OL	A facility that supports loading and/or unloading of operating and reserve supply of fuels and other petroleum, oil, and lubricant products to other than the end user. Includes loading/unloading of tank trucks, tank cars, and barges. CCF is derived from
1262*	POL Pump Station	SF	A facility that contains POL pumping equipment. This includes the building as well as the pumping equipment therein.
1311	Communications Building	SF	A building that contains communications operations and communication equipment. Communication equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is deri
1312*	Satellite Communications Building	SF	A building which contains satellite communications operations and communication equipment. Communication equipment located in these facilities is not real property, therefore is not included in this Facility Analysis Category.
1321	Communications Facility	EA	A facility, other than a building, that supports communications operations and communication equipment. Cost factors are based upon a 75' self-supporting tower. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1311.
1331	Aircraft Navigation Building	SF	A building that contains aircraft navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is deri
1341	Aircraft Navigation Facility	EA	A facility, other than a building, that supports aircraft navigation and traffic control operations. CCF is derived from data reported by the various Services. SCF is based on a ratio from FAC 1331.
1351	Communications Lines	MI	Communication lines, to include overhead, underground, and marine cables and lines. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
1361	Airfield Pavement Lighting	LF	Lighting on the sides and approaches of airfield pavements. Does not include other airfield lighting, such as perimeter lighting, security lighting, and street and parking lighting. CCF is derived from AFCESA data. SCF is derived from RS Means data.
1362	Airfield Lighting	EA	Other lighting directly related to aviation operations that is not airfield pavement lighting included in Facility Analysis Category 1361. CCF is derived from Air Force and RS Means data. SCF is based on a ratio from FAC 1361.

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Code	Title	UM	Description
1371	Ship Navigation Building	SF	A building that contains ship navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from
1381	Ship Navigation Facility	EA	A facility, other than a building, that supports ship navigation and traffic control operations. Cost factors are based upon an Ocean Science Group SL125C beacon with buoy and anchor system. CCF is derived from data provided by Ocean Science Group. SCF
1402	Air Defense Operations Building	SF	A building containing equipment and functions directly related to air defense operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is deri
1403	Missile Operations Building	SF	A building containing equipment and functions directly related to guided missile operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is d
1404	Emergency Operations Center / SCIF	SF	A building or part of a building from which commanders and their representatives can direct operations, control forces during emergencies, or in which sensitive classified materials are reviewed and stored. CCF is derived from USACE data. SCF is derived
1411	Airfield Fire And Rescue Station	SF	A building containing the personnel and equipment that provides fire and rescue support to the airfield. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService da
1412	Aviation Operations Building	SF	A building containing functions that are directly related to aviation operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 8,095 SF.
1413	Air Control Tower	SF	A facility containing the equipment and functions directly related to the control of aviation traffic. Facility typically contains an elevated observation deck with all-around observation. Equipment located in these facilities is not real property and i
1421	Helium Production/Storage Building	SF	A building for the receipt, bulk storage, processing, and dispensing of helium gas. Included are tanks, valves, valve chambers, and similar equipment. CCF is derived from TriService data. SCF is derived from the Whitestone MARS for FAC 4422.
1422	Helium Storage Facility	EA	A facility, other than a building, for the bulk storage of helium gas. Cost factors are based on a 30,000 GA welded steel pressure tank. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1421.
1431	Ship Operations Building	SF	A building containing functions that are directly related to ship operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,107 SF.
1441	Photo/TV Production Building	SF	A building containing the equipment and functions that provide photographic or television production. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and US
1442	Operations Support Lab	SF	A building containing the equipment and functions of a technical laboratory that directly supports operational activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived

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Code	Title	UM	Description
1443	Operations Supply Building	SF	A building containing the equipment and functions that directly support operational supply activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data
1444	Miscellaneous Operations Support Building	SF	A building containing equipment and functions that directly support operational activities not included in other Facility Analysis Categories. Equipment located in these facilities is not real property and is not included in this Facility Analysis Catego
1445	Working Animal Support Building	SF	A building containing working animal operational and support functions. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,592 SF.
1446	Security Force Building	SF	A building for a stand-by security force. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 6,545 SF.
1451	Strategic Missile Launch Facility	EA	An underground facility containing an inter-continental ballistic missile, ready for launch. CCF is derived from AFCESA data. SCF is derived from data pertaining to FAC 1452.
1452	Missile Guidance Facility	SF	A facility containing the equipment and functions of command and control communications providing telemetry for ballistic missiles. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,846 SF.
1453	Missile Access Shaft	EA	Elevator shaft access connecting areas between underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.
1454	Missile Access Tunnel	LF	Tunnels connecting underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.
1455	Missile Shelter	SF	Structures intended to protect guided missiles from weather and attack. CCF is derived from USACE data. SCF is based on a ratio from FAC 4427.
1456	Missile Defense Facility	EA	A facility, other than a building, directly related to missile defense operations. Cost factors are based upon an average size of 1,398 SF. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS data for FAC 1403.
1457*	Ballistic Missile Control Facility	SF	Those facilities specifically designed for the control, monitoring, and launching of ballistic missiles.
1461	Aircraft Arresting System	EA	A system for engaging aircraft and absorbing kinetic energy in order to quickly and safely capture and stop the aircraft. Cost factors are based upon the BAK-21 Aircraft Arresting System. A system employed as a pair constitutes 1 EA. CCF is derived from
1462	Aircraft Catapult	EA	Ground-emplaced equipment to replicate the launching of aircraft from an aircraft carrier deck. CCF is derived from Navy data. SCF is based on a ratio from FAC 1452.
1463	Aircraft Firing-In Butt	EA	An earth and wood backstop used as a safe area, toward which aircraft weapons are pointed when hot ammunition is downloaded. CCF is derived from Air Force data. SCF is derived from Air Force data.
1464	Aircraft Blast Deflector	EA	A structure for deflecting the force of jet blast away from personnel, equipment, or facilities. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 2123.
1465	Aircraft Shelter, Hardened	SF	Hardened shelters intended to protect tactical aircraft in a forward location from attack. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,574 SF.

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Code	Title	UM	Description
1466	Aircraft Shelter	SF	Shelters intended to protect fighter interceptor aircraft on alert from the elements. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 11,026 SF.
1467	Aircraft Support Facility	EA	A facility containing equipment and functions that support aviation operations. D82
1481	Nuclear Propulsion Support Facility	EA	A facility, other than a building, directly related to nuclear propulsion operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 1402.
1491	Nuclear Weapons Support Facility	EA	A facility, other than a building, directly related to nuclear weapon operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 2153.
1492	Explosives Holding/Transfer Area	SY	An open area used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from USACE data. SCF is derived from RS Means data.
1493	Explosives Railway Holding Yard	EA	A rail yard used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from Navy data. SCF is derived from RS Means and other data sources.
1494	Explosives Holding/Transfer Facility	EA	A facility used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from AFCESA data. SCF is based on a ratio from FAC 1493.
1495	Revetment	EA	A barrier to protect personnel, equipment, or facilities from attack or explosion. Cost factors are based upon a barrier 50' wide (at the base) by 12' high by 100' long. CCF is derived from USACE data. SCF is derived from RS Means data.
1496	Central Vehicle Wash Facility	EA	A facility for pre-wash mud removal and washing of military and commercial vehicles. Included are water recirculation, high- and low- pressure cleaning, water containment and drains, and sediment and sludge removal. CCF is derived from USACE data. SCF
1497	Explosive Ordnance Disposal Area	EA	An area in which explosive ordnance and explosive devices can be safely disarmed or destroyed.
1498	Security Support Facility	SF	Fighting positions or security checkpoints used to directly support security operations. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 184 SF.
1499	Miscellaneous Operations Support Facility	EA	A facility, other than a building, that directly supports operational activities and is not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is based on a ratio from FAC 7384.
1511	Pier	SY	A structure for docking ships that extends into the waterway such that ships can dock along both sides. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.
1512	Wharf	SY	A structure that abuts the waterway such that ships can dock along only the seaward side. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.
1513*	Pier/Wharf Access Trestle	SY	A trestle for vehicle or railroad access between a pier or wharf and the shore.
1531	Marine Cargo Staging Area	SY	An open area for the temporary placement of cargo to be loaded on, or already unloaded from, ships. CCF is derived from USACE data. SCF is derived from RS Means data.
1541	Shore Erosion Prevention Facility	LF	Structures constructed to prevent shore erosion due to wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.

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Code	Title	UM	Description
1551	Small Craft Berthing	FB	Small craft berthing consists of either a pier or wharf providing an area for small craft (less than 66 feet in length) to berth. This may include lighterage vessels, tug boats, fire boats, and other small craft. CCF is derived from Marshall & Swift dat
1552	Small Craft Building	SF	A building in which small craft (less than 66 feet in length) can be stored. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,175 SF.
1591	Miscellaneous Waterfront Facility	EA	A facility that directly supports waterfront operations and is not included in another Facility Analysis Category.
1611	Harbor Control Facility	EA	A facility that functions to control physical access to a harbor. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1371.
1631	Offshore Mooring Facility	EA	A structure used to physically secure a ship at an offshore location, not alongside a pier or wharf. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1381.
1641	Harbor Marine Improvements	LF	Structures constructed to improve harbor operations by reducing wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.
1711	General Purpose Instruction Building	SF	Training buildings that include primarily classroom space for multipurpose training instruction typically conducted by a school/training center. These facilities may include auditorium, library and/or technical education or learning resource centers, and
1712	Applied Instruction Building	SF	Training buildings that include dedicated space for specialized training instruction typically conducted by a school/training center. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,984 S
1713	Band Training Facility	SF	A facility housing the training and administrative functions of a band unit and/or chorus unit. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,103 SF.
1714	Reserve Training Facility	SF	Reserve Component training centers are multipurpose facilities for the gathering, training, and dispatching of National Guard and/or Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average si
1715	Physical Education Building	SF	A building for the purpose of conducting physical education training. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.
1717	Organizational Classroom	SF	A facility, or portions thereof, that provides space to conduct indoor classroom instruction at organizational level. D153
1718	Indoor Firing Range and Supporting Facility	SF	Indoor firing ranges provide marksmanship training space for the firing of pistols and small caliber rifles. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,827 SF.
1721	Flight Simulator Facility	SF	A facility designed to house flight simulators and other flight training devices. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is de
1722	Physiological Training Facility	SF	A facility for training air-crew members and passengers on the physiological effects of high altitude flight, spatial disorientation, night vision, and decompression and ejection seat escape. CCF is derived from Air Force data. SCF is derived using the

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Code	Title	UM	Description
1723	Gas Training Facility	SF	A facility for training personnel in the use of protective masks and the effects of chemical warfare. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,733 SF.
1724	General Purpose Simulator Facility	SF	A building containing simulator equipment or in which battle and battle control exercises are conducted. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,376 SF.
1725	Training Pool and Tank	EA	A water-filled structure for training related to water operations and survival. CCF is derived from data supplied by all the Services. SCF is based on a ratio from FAC 7422.
1731	Range Support Building	SF	A facility containing equipment and functions that support range operations. CCF is derived from AFCESA and USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,060 SF.
1732	Training Aids Support Building	SF	A facility containing training aids and equipment storage and training aids fabrication activities. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,458 SF.
1733	Training Support Structure	SF	A facility, other than a building, that directly supports training activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,222 SF.
1734	Observation Tower/Bunker	EA	A structure from which observation and control of training and other operations can be conducted. Cost factors are based upon an average size of 800 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 1413.
1741	Maneuver/Training Land, Light Forces	AC	Maneuver/training lands that provide space for the movement of light combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.
1742	Maneuver/Training Land, Heavy Forces	AC	Maneuver/training lands that provide space for the movement of heavy combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.
1743	Weapons Impact Area	AC	Impact areas have designated boundaries within which all ordnance will detonate or impact. The primary function of impact areas is to contain weapons effects as much as possible using earthen berms or natural terrain features. SCF is based on data from
1744	Parachute Drop Zone	AC	A cleared area suitable for the landing of personnel and/or equipment via parachute drop. SCF is based on data from the ATSC.
1745	Parade and Drill Field	AC	An area that provides open space for military ceremonies, outdoor drill training, physical fitness tests, and physical exercises. SCF is based on data from RS Means.
1750	General Purpose Small Arms Range	FP	A training range for the firing of small arms. Exact design of these ranges will vary according to the specific nature of the weapons and training desired. Designed for handguns, shoulder fired weapons, and machineguns. CCF is derived from a design bui
1751	Zero Range	FP	A range for preparatory marksmanship training; zeroing, and corrective instruction on the rifle and machine gun; and to practice machine gun traversing and searching. CCF is derived from USACE data. SCF is derived from USACE data.
1752	Field Fire Range	FP	A range for firing the rifle at targets comparable to battlefield ranges, developing speed in target engagements, and developing confidence in individual ability. CCF is derived from USACE data. SCF is derived from RS Means data.

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Code	Title	UM	Description
1753	Record Fire Range	FP	A range for practice and qualification in engaging personnel targets with a rifle in a simulated combat environment. CCF is derived from USACE data. SCF is derived from RS Means data.
1754	Night Fire Range	FP	A range used for training of night fire rifle engagement techniques and to complete qualification scores. CCF is derived from USACE data. SCF is derived from RS Means data.
1755	Known Distance Range	FP	A range for practice and competition with targets located at specified known distances. CCF is derived from a design build out. SCF is based on a ratio from multiple range FACs.
1756	Sniper Range	FP	A range for day and nighttime sniper training, as well as advanced rifle marksmanship training for selected personnel. The range may include various firing points including towers. CCF is derived from USACE data. SCF is derived from RS Means data.
1757	Pistol Range	FP	A range for instructional firing of pistols and sub-machineguns, and for combat pistol qualification, and police qualification with pistols, shotguns, and sub-machineguns. CCF is derived from USACE data. SCF is derived from RS Means data.
1758	Machinegun Range	FP	A range used to qualify gunners with machine guns and automatic weapons. The range may be augmented by adding light vehicle and bunker targets. CCF is derived from USACE data. SCF is derived from RS Means data.
1760	General Purpose Direct Fire Range	FP	A training range for the firing of large weapons when there is line of sight from the weapon to the target. Weapons can include stationary tanks, artillery, antitank rockets, and grenade launchers.
1761	Grenade Launcher Range	FP	A range to teach grenade launcher firing techniques, to qualify grenadiers, and to prepare grenadiers for combat situations. CCF is derived from USACE data. SCF is derived from RS Means data.
1762	Grenade Machinegun Range	LN*	A range to conduct qualification firing with the grenade machinegun. It can also be used to practice target observation and adjustment of fire, to practice machinegun traversing and searching, to develop speed during operation, and to obtain an accurate
1763	Light Antiarmor Weapon Range	FP	A range to teach soldiers the skills needed to defeat armored vehicles with recoilless rifles or light antitank weapons using launch effects trainers, sub-caliber rockets, or small arms cartridges. CCF is derived from USACE data. SCF is derived from RS
1764	Heavy Antiarmor Weapon Range	LN*	A range to teach the techniques of engaging targets with medium and heavy anti-armor weapons (missiles). It is also used for field tracking and qualification exercises with tracking and launch effect trainers. LN consists of range area to accommodate up
1765	Artillery Direct Fire Range	EA*	A range to fire cannon artillery and other large caliber guns using high-explosive ammunition. Direct fire means the crew can see the target and fires as a point-to-point weapon. EA is defined as range to support up to one battery of artillery. CCF is d
1766	Tank Stationary Gunnery Range	EA*	A range to train tank and fighting vehicle crews in the rapid engagement and destruction of targets during day and night exercises from a stationary vehicle. EA is defined as range to support up to 15 gunners. CCF is derived from USACE data. SCF is deri
1767	Indirect Fire Range	EA*	A range to fire cannon artillery, rockets, mortar, and other indirect weapon systems using high-explosive ammunition. Indirect fire means the crew cannot see the target either because of terrain or distance. EA is defined as range to support up to a sect

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Code	Title	UM	Description
1768	Scaled Indirect Fire Range	EA*	A scaled range to teach firing skills to the entire indirect fire team. EA is defined as range to support up to a section/battery.
1769	Scaled Gunnery Range	EA*	A range to zero fighting vehicle and tank weapons. The range is also used to train crews to manipulate turret and gun controls, fire the main gun while tracking a moving target, interact with other crew members, react to fire commands, identify targets,
1771	Armor Vehicle Crew Training Range	LN*	Ranges specifically designed to satisfy training requirements for infantry and armor crews and teams to include gunnery from moving vehicles. These ranges are used to teach mechanized infantry and armor crews the skills needed to defeat stationary and mov
1772	Armor Vehicle Unit Training Range	EA*	Range complexes consist of ranges to accommodate tank and fighting vehicle firing exercises and tactical maneuver training for tanks, mechanized infantry small units. These ranges are used to teach mechanized infantry and armor units the skills needed to
1773	Fire and Movement Range	LN*	A range used to teach individual and buddy-team movement and maneuver techniques while engaging targets with the rifle. LN is defined as range to support 2 persons. CCF is derived from USACE data. SCF is derived from RS Means data.
1774	Squad Defense Range	EA*	A range used to train personnel to employ mutually supporting fires from defensive positions against attacking troops. EA is defined as range to support up to a squad sized unit. CCF is derived from USACE data. SCF is derived from RS Means data.
1775	Infantry Battle Course	EA*	A range used by an infantry unit to practice movement-to-contact operations and hasty attack operations. The unit may fire the rifle, machine gun, automatic weapon, and light anti-tank weapon with sub-caliber devices. EA is defined as range to support up
1776	Urban Combat Training Range	EA*	A facility for individual and low-level collective training using live fire or simulators. Live-fire facilities are constructed using materials which capture fragmentation or spalling objects from live ammunition/munitions sometimes typified, but not lim
1781	Live Hand Grenade Range	FP	A range to familiarize with the effects of live hand grenades. CCF is derived from USACE data. SCF is derived from RS Means data.
1782	Engineer Qualification Range	FP	A range used to qualify engineer individuals and units on tasks such as sapper, mine warfare, light demolition, and engineer weapon firing. CCF is derived from USACE data. SCF is derived from RS Means data
1783	Light Demolition and Flame Training Range	FP	A range to teach soldiers the techniques of firing flash weapons and flame-throwers at point and area targets, and employing improvised smoke and flame weapons and to train in the handling of explosives and pyrotechnics. CCF is derived from USACE data.
1790	Miscellaneous Training Facility	EA	Various training facilities, other than buildings and ranges, that are not included in another Facility Analysis Category. CCF is derived from Army data. SCF is based on a ratio from FAC 7522.
1791	Aircraft Weapons Calibration Range	EA	Ranges used to bore sight, align, and zero all weapons systems on individual aircraft. Cost factors are based upon TC 25-8, fig. 6-27. CCF is derived from USACE data. SCF is derived using MicroPaver.
1792	Attack Helicopter Weapons Range	EA	Training ranges used for individual, crew, and unit helicopter gunnery exercises. It can handle the machinegun, grenade launcher, cannon, rocket, and antitank missile weapons systems. Cost factors are based upon TC 25-8, figure 6-36. CCF is derived fro
1793	Aircraft Weapons Range	EA	Training ranges used by all services for the command, control, and attack of aircraft on ground targets. They include both close air support and aerial bombing activities.

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Code	Title	UM	Description
1794	Air Defense Range	FP	A training range for firing air defense weapons against targets in flight. Weapons can include either guns or missiles. CCF is derived from USACE data. SCF is derived from RS Means data.
1795	Fire And Rescue Training Facility	EA	A facility at which the various aspects of fire fighting and rescue can be trained and practiced. Cost factors are based upon the new FireFighter Training System (FFTS) that includes drainage system and retention pond. CCF is derived from USACE data. S
1796	Urban Combat Training Area, Non-Fire	EA	Non-live fire training facilities used to train and sustain unit combat proficiency in an urban environment. Facilities may also be used by military and civil police forces for scenario-driven training in law enforcement and riot control operations. Cos
1797	Hand Grenade Range, Non-Firing	EA	Ranges used for training soldiers in handling explosives and pyrotechnics, disposing explosive ordnance, firing flash weapons and flamethrowers at point and area targets, and employing improvised smoke and flame weapons. Cost factors are based upon stand
1798	Infiltration Course, Live Fire	EA	Infiltration courses are used for soldiers to practice maneuvering through various barbed wire and log obstacles while machine guns fire overhead. Cost factors are based upon the standard design in TC25-8, fig. 6-23. CCF is derived from USACE data. SCF
1799	Confidence/Obstacle Course	EA	A facility at which individual service members and small teams can confront and overcome various obstacles in order to enhance physical fitness, confidence, and unit esprit. Cost factors are based upon standard designs in MIL-HDBK-1027/3B, figs. 10 & 11.
2111	Aircraft Maintenance Hangar	SF	A facility providing space for aircraft maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 27,419 SF.
2112	Aircraft Maintenance Shop	SF	A facility designed to house aircraft and aircraft component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,664 SF.
2113	Aircraft Corrosion Control Hangar	SF	A facility designed to contain an aircraft during corrosion control operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,678 SF.
2114	Aircraft Engine Test Building	SF	A facility designed to test aircraft engines. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,710 SF.
2115	Aircraft Maintenance Hangar, Depot	SF	A facility designed to provide space for aircraft depot-level maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD averag
2116	Aircraft Maintenance Shop, Depot	SF	A facility designed to house aircraft and aircraft component depot-level maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,140 SF.
2118	Aircraft Engine Test Facility	EA	A facility, other than a building, designed to test aircraft engines. Cost factors are based upon an average size of 13,000 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2114.
2121	Missile Maintenance/Assembly Building	SF	A facility in which guided missiles are assembled and/or maintained. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,718 SF.

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Code	Title	UM	Description
2123	Missile/Launcher Maintenance Support Facility	SF	A facility that supports guided missile and launch equipment maintenance. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8646 SF.
2124	Missile Test Tower	EA	A facility for testing guided missiles. Cost factors are based upon a 250' high tower. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
2125	Missile Maintenance/Assembly Building, Depot	SF	A facility in which guided missiles are assembled and/or maintained at the depot level. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 20,337 SF.
2126*	Intercontinental Ballistic Missile Processing Facility	SF	A facility for the specialized maintenance and assembly of intercontinental ballistic missiles.
2131	Ship Maintenance Dry-dock	SF	A facility into which a ship can be floated and the water removed, to allow for maintenance and repair of areas usually underwater. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.
2132	Marine Railway	EA	A facility consisting of rollers on which a ship may be hauled out of the water along an inclined track. Cost factors are based upon a 100' long track, with rails 78.5" wide. Does not include the cost of the sled upon which the vessel is carried. CCF i
2133	Marine Maintenance Shop	SF	A facility designed to house ship component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,167 SF.
2134	Marine Maintenance Support Facility	SF	A facility designed to support ship component maintenance, repair, and inspection activities. CCF is derived from USACE and TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,670 SF.
2135	Landing Craft Wash Facility	EA	A washing facility for marine landing craft. Cost factors are based upon a facility with 16 stations and wash water recycling. CCF is derived from USACE data. SCF is based on a ratio from FAC 2141.
2136	Nuclear Repair Shop	SF	A facility for the maintenance and repair of nuclear/radioactive items. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,455 SF.
2137	Fixed Crane Structure	EA	A facility with a movable boom to hoist heavy objects for ship repair and maintenance activities. CCF is derived from data from all the Services. SCF is derived using Navy data.
2141	Vehicle Maintenance Shop	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,500 SF.
2142	Vehicle Maintenance Shop, Depot	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 22,831 SF.
2143	Vehicle Maintenance Shop, National Guard	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of National Guard units. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,898 SF.
2144	Vehicle Maintenance Shop, Reserve	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,161 SF.

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Code	Title	UM	Description
2145	Vehicle Maintenance Facility	EA	A facility, other than a building, designed to support land vehicle and vehicle component maintenance, repair, and inspection activities. Cost factors based on an average-sized grease/wash rack of 1,626 SF. CCF is derived from USACE data. SCF is derive
2146	Launch Vehicle Test Facility	EA	A facility, other than a building, designed to support missile launch vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 2123.
2151	Weapon Maintenance Shop	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,315 SF.
2152	Weapon Maintenance Shop, Depot	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,846 SF.
2153	Special Weapon Maintenance Shop	SF	A facility designed to house special weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,834 SF.
2154	Weapon Maintenance Facility, Depot	SF	A facility, other than a building, designed to support weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCESA data. SCF is derived using the Whitestone MARS based on the DoD av
2161	Ammunition Maintenance Shop	SF	A facility designed to house ammunition maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,792 SF.
2162	Ammunition Maintenance Shop, Depot	SF	A facility designed to house ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,212 SF.
2163	Ammunition Maintenance Facility, Depot	SF	A facility, other than a building, designed to support ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,679 SF.
2171	Electronic and Communication Maintenance Shop	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,721 SF.
2172	Electronic and Communication Maintenance Shop, Depot	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,018 SF.
2173	Electronic and Communication Maintenance Facility	EA	A facility, other than a building, designed to support electronic and communication equipment maintenance, repair, and inspection activities. Cost factors based on an average size of 5,500 SF. CCF is derived from USACE data. SCF is based on a ratio fro
2181	Installation Support Vehicle Maintenance Shop	SF	A facility designed to house installation support vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,575 SF.

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Code	Title	UM	Description
2182	Installation Support Equipment Maintenance Shop	SF	A facility designed to house installation support equipment maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,202 SF.
2183*	Railroad Equipment Shop	SF	A maintenance shop for railroad rolling stock and other heavy railroad equipment.
2184*	Parachute And Dingy Maintenance Shop	SF	A maintenance shop for parachutes or other survival equipment.
2191	Facility Engineer Maintenance Shop	SF	A facility designed to house installation engineer support vehicle and equipment maintenance, repair, and inspection activities. CCF is derived from Triservice data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,031 SF.
2192	Facility Engineer Maintenance Facility	EA	A facility, other than a building, designed to support installation engineer support vehicle and equipment maintenance, repair, and inspection activities. Cost factors based on a standard planning size of 31,000 SF. CCF is derived from USACE data. SCF i
2211	Aircraft Production Plant	SF	A facility for the production, quality assurance, and calibration of aircraft and aircraft components. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 106,271 SF.
2221	Missile Production Plant	SF	A facility for the production, quality assurance, and calibration of missiles and missile components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,320 SF.
2231	Ship Production Plant	SF	A facility for the production, quality assurance, and calibration of ships and ship components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,381 SF.
2232	Ship Building Way	TN	An area for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.
2233	Ship Building Dry-dock	SF	A structure for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.
2241	Tank/Automotive Production Plant	SF	A facility for the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 71,355 SF.
2242	Tank/Automotive Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.
2251	Weapon Production Plant	SF	A facility for the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 67,274 SF.
2252	Weapon Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.
2261	Ammunition Production Plant	SF	A facility for the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,285 SF.

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Code	Title	UM	Description
2262	Ammunition Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,541
2263	Powder - Tank Storage	BL	A tank for the storage of ammunition powder or flakes. CCF is derived from Marshall & Swift data. SCF is based on ratios from FACs 4111; 4121 & 4426.
2264	Ammunition Demilitarization Plant	SF	A facility for the demilitarization of ammunition to a harmless condition.
2265	Ammunition Demilitarization Facility	EA	A facility, other than a building, that supports the demilitarization of ammunition to a harmless condition. CCF is derived from USACE data. SCF is based on a ratio from FAC 2264.
2271	Electronic and Communication Production Plant	SF	A facility for the production, quality assurance, and calibration of electronic and communication equipment and components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 50,759 SF.
2281	Miscellaneous Support Production Plant	SF	A facility for the production of miscellaneous items that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,620 SF.
2291	Construction Material Production Plant	EA	A facility for the production of construction materials for the installation. Cost factors are based upon a 250-TN/Hr commercial production plant. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 2261.
3101	RDT&E Laboratory	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,136 SF.
3102	Medical Research Laboratory	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities for medical research. CCF is derived from Army data. SCF is derived using the Whitestone MARS.
3111	Aircraft RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of airframes and other related assemblies, spares, and aircraft equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size
3121	Missile and Space RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of missiles, missile systems, related ground handling and launching equipment, and other aerospace equipment. CCF is derived from AFCESA data. SCF is derived using the Whiteston
3131	Ship and Marine RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of ships and marine equipment, and amphibious vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 25,350 SF.
3141	Tank and Automotive RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of tank and other automotive equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,142 SF.
3151	Weapons RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of weapons and weapon systems. Does not include missile-related research under Facility Analysis Category 3121. CCF is derived from AFCESA data. SCF is derived using the Whites

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Code	Title	UM	Description
3161	Ammunition, Explosive, and Toxic RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of ammunition, explosives, and toxic materials. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,411 SF.
3171	Electronic and Communication RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of electronic and communication equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,384 SF.
3181	Propulsion RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of propulsion hardware and propellant fuels. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,024 SF.
3191	Miscellaneous Item and Equipment RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of miscellaneous items of equipment, such as clothing, survival equipment, and military engineering equipment. CCF is derived from USACE data. SCF is derived using the Whiteston
3201	Underwater Equipment RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of underwater equipment. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,795 SF.
3211	RDT&E Technical Service Facility	SF	Buildings used in the manufacturing of models, prototypes, and other items used in direct research, development, testing, and evaluation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,184 SF
3711	RDT&E Range Building	SF	A building on a firing range used for direct research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,868 SF.
3712	RDT&E Range Facility	EA	A firing range facility used for direct research, development, testing, and evaluation activities. Cost factors are based upon an average-size facility of 1,868 SF. D241
3713	RDT&E Range Complex	EA	A firing range complex used for direct research, development, testing, and evaluation activities. CCF is derived from Air Force data. SCF is derived from Air Force data.
3901	Miscellaneous RDT&E Facility	EA	Scientific structures and facilities, other than buildings, used for direct research, development, testing, and evaluation activities that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the W
3902	RDT&E Area	AC	An open area used for direct research, development, testing, and evaluation activities.
3903	Aerodynamic wind tunnel	EA	A facility for testing materials and aircraft models in a supersonic or transonic environment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,102 SF. CCF is derived from Air Force data. SCF
3904	Propulsion engine test cell	EA	A facility for testing components of solid rocket motors or liquid fuel engines under operational conditions. CCF is derived from Air Force data. SCF is based on a ratio from FAC 3181.
4111	Bulk Liquid Fuel Storage	BL	A facility for the storage of bulk liquid fuels. CCF is derived from USACE data. SCF is derived from RS Means data.
4121	Bulk Liquid Storage, Other Than Fuel	GA	A facility for the storage of bulk liquids, other than fuels. CCF is derived from USACE data. SCF is derived from RS Means data.

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Code	Title	UM	Description
4122	Liquid Oxygen Storage	SF	A facility for the storage of liquid oxygen. CCF is derived from Air Force data. SCF is based on a ratio from FAC 4422.
4211	Ammunition Storage, Depot and Arsenal	SF	A facility for the storage of ammunition at depots and arsenals. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,657 SF.
4221	Ammunition Storage, Installation	SF	A facility for storing ammunition for use by units and activities located at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,083 SF.
4212*	Intercontinental Ballistic Missile Storage Facility	SF	A facility for the specialized storage of fully assembled intercontinental ballistic missiles.
4231	Liquid Propellant Storage, Ammunition Related	GA	A facility for the bulk storage of ammunition related propellants. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.
4241	Battery Storage, Weapon Related	SF	A facility for the storage of ammunition-related batteries. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,488 SF.
4251	Open Ammunition Storage	SY	Open areas used for the storage of ammunition. CCF is derived from USACE data. SCF is derived using the RS Means data.
4311	Cold Storage, Depot	SF	A facility for cooling and storage of materials at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,266 SF.
4321	Cold Storage, Installation	SF	A facility for cooling and storage of materials to be used at the installation level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,608 SF.
4411	Covered Storage Building, Depot	SF	A facility for depot-level storage of materials that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,662 SF.
4412	Covered Storage Shed, Depot	SF	A facility for depot-level storage of materials that require overhead protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,968 SF.
4413	Hazardous Materials Storage, Depot	SF	A facility for the storage of hazardous materials at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,353 SF.
4414	Controlled Humidity Storage, Depot	SF	A facility for storage of materials at a controlled humidity at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,932 SF.
4421	Covered Storage Building, Installation	SF	A facility for storage of materials that require protection from the elements, to be used by units and activities at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,038 S
4422	Covered Storage Shed, Installation	SF	A facility for storage of materials that require overhead protection from the elements, to be used by units and activities at the installation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,2

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Code	Title	UM	Description
4423	Hazardous Materials Storage, Installation	SF	A facility for the storage of hazardous materials at the installation level. D266
4424	Controlled Humidity Storage, Installation	SF	A facility for storage of materials at a controlled humidity to be used at the installation level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,127 SF.
4425	Vehicle Storage, Covered	SF	A facility for the long-term storage of vehicles that require protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,482 SF.
4426	Storage Silo, Loose Material	SF	A facility for storage of loose material such as sand or road salt. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 4412.
4427	Small Arms Storage, Installation	SF	A central arms storage facility to be used to store small arms from several units or activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,501 SF.
4511	Open Storage, Depot	SY	An open storage area to be used for depot-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.
4521	Open Storage, Installation	SY	An open storage area to be used for installation-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.
5100*	Hospital	SF	A facility that provides general and specialized medical care for authorized personnel, with both inpatient and outpatient services. Pharmacy, clinic, ambulance, and administrative space within the hospital are included in this Facility Analysis Category
5101*	Medical Center	SF	A regional medical center. These facilities support both increased surgical capabilities and a surgical graduate education program, not required in smaller hospitals.
5302	Medical Laboratory	SF	A facility, detached from a hospital, that provides laboratory support to the hospital and/or other medical activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.
5303	Morgue	SF	A facility, either detached or within a hospital, for the identification, preparation, and holding of human remains. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,712 SF.
5304	Veterinary Facility	SF	A facility for administrative and operational functions of veterinary activities assigned to the installation. These can include animal medical care, control of communicable animal diseases, animal boarding, and food inspection. CCF is derived from TriS
5306	Medical Warehouse	SF	A storage facility for medical equipment and supplies that are continuously withdrawn and replenished. Storage of war reserve medical supplies is included in depot storage facilities. CCF is derived from USACE data. SCF is derived using the Whitestone
5307	Ambulance Shelter	SF	A detached facility to protect ambulances from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.
5400	Dental Facility	SF	A facility that provides routine and specialized dental treatment to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.
5500	Dispensary And Clinic	SF	A detached facility that provides routine and emergency care to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.
5501*	Ambulatory Care Clinic	SF	A health care facility capable of performing outpatient surgical procedures and other medical treatment, not requiring extensive patient convalescence or overnight observation.

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Code	Title	UM	Description
6100	General Administrative Building	SF	A building containing general office space as well as space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms. CCF is derived
6101	Small Unit Headquarters Building	SF	A building that contains the command and staff sections of a company or battery headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD a
6102	Large Unit Headquarters Building	SF	A building that contains the command and staff sections of a battalion, squadron, regiment, group, or brigade headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whit
6103	Printing And Reproduction Plant	SF	A facility designed to provide installation document printing and reproduction support. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from RS Means data. SCF is derived
6104	Automated Data Processing Center	SF	A building or part of a building that contains the equipment and functions of automated data processing. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService da
6200	Administrative Structure, Underground	SF	An underground facility containing general office space as well as that space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms
6900	Administrative Structure, Other Than Buildings	EA	Miscellaneous administrative structures such as flagpoles, billboards, reviewing stands, and information stands. CCF is derived from RS Means data. SCF is based on a ratio from FAC 6100.
7110	Family Housing Dwelling	SF	A dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average
7120	Family Housing Trailer/Relocatable	FA	A trailer or relocatable dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from RS Means data. SCF is based on a ratio from FAC 7110.
7130	Family Housing Trailer Site	FA	Pads or sites with associated utilities provided for privately or government owned trailers and mobile homes. CCF is derived from USACE data. SCF is derived from RS Means data.
7141	Family Housing Garage/Carport	SF	Detached facilities for the storage of personal vehicles for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 736 SF.
7142	Family Housing Storage Facility	SF	Detached facilities for the storage of personal items for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 231 SF.
7143	Miscellaneous Family Housing Support Facility	SF	Those family housing support facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 897 SF.
7145	Trailer Court Support Facility	SF	A facility that supports family housing trailer operations. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 150 SF.

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Code	Title	UM	Description
7146	Family Housing Attendant Facility	SF	A facility that houses and supports family housing attendants. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,334 SF.
7210	Enlisted Unaccompanied Personnel Housing	SF	A facility designed to provide permanent housing for unaccompanied enlisted personnel and civilian equivalents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,157 SF.
7212	Enlisted Unaccompanied Personnel Housing, Transient	SF	A facility that provides lodging to meet short term housing requirements for unaccompanied enlisted personnel and civilian employees on temporary duty or traveling on official business. CCF is derived from TriService data. SCF is derived using the White
7213	Student Barracks	SF	Transient unaccompanied personnel housing for students. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 21,947 SF.
7214	Annual Training/Mobilization Barracks	SF	A facility that houses unaccompanied personnel during reserve component annual training or during mobilizations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,407 SF.
7218	Recruit/Trainee Barracks	SF	A facility for housing recruits and/or trainees. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 40,000 SF.
7220	Dining Facility	SF	A facility, with cafeteria style dining operations, for unaccompanied personnel and other authorized persons. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,130 SF.
7231	Miscellaneous UPH Support Building	SF	Buildings associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. CCF is derived from USACE and RS Means data. SCF is derived using the Whitestone MARS.
7232	Unaccompanied Personnel Housing Garage/Carport	SF	Detached facilities to store and protect the private vehicles of unaccompanied personnel. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.
7233	Dining Support Facility	SF	A separate facility that provides support to dining facility operations. CCF is derived from Air Force and Navy data. SCF is derived using the Whitestone MARS data for FAC 7220.
7234	Latrine/Shower Facility	SF	A detached facility to provide latrine and/or shower support to unaccompanied personnel housing. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 504 SF.
7235	Miscellaneous UPH Support Facility	EA	A facility, other than a building, associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. Cost factors are based upon a facility 66.7 SY in area with associated piping. CCF is derived from
7240	Officer Unaccompanied Personnel Housing	SF	A facility that provides permanent lodging for unaccompanied officers, warrant officers, and authorized civilian employees. D310
7241	Officer UPH, Transient	SF	A facility that provides short-term, temporary lodging for unaccompanied officers, warrant officers, and authorized civilian employees. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 13,663
7250	Emergency Unaccompanied Personnel Housing	SF	A facility such as hutments and tent pads, that can be used for emergency housing during training, mobilization, deployments, and natural disasters. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD ave

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Code	Title	UM	Description
7251*	EUPH Tent Pad	SF	Tent pads, which can be used for erecting tents for emergency housing during training, mobilization, deployments, and natural disasters. Cost factors are based on the area of a GP Medium tent. CCF is derived from USACE data. SCF is derived from RS Mean
7311	Fire Station Facility	SF	A building containing the personnel and equipment that provides fire and rescue support to the installation. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriServic
7312	Prison/Confinement Facility	SF	A facility to house and secure service members during pre-trial confinement, post-trial confinement, and for the duration of sentences. Although not normally housed in the same facility, prisoners can include officers, enlisted personnel, and prisoners o
7313	Police Station	SF	A facility designed to be the law enforcement center on the installation. Includes space for the police reception desk, working space for police personnel, confinement space for prisoners, and an arms room. CCF is derived from USACE data. SCF is derive
7314	Drug and Alcohol Abuse Center	SF	A facility for counseling personnel suffering from drug or alcohol abuse. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,812 SF.
7321	Bread/Pastry Kitchen	SF	A centralized food service facility that provides fresh breads and pastries to the installation. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,187 SF.
7322	Ice/Dairy Products Plant	SF	A central plant that produces or processes ice or milk products for the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,997 SF.
7323	Greenhouse	SF	A facility with glass walls and roof in which temperature and humidity can be regulated for the growing and protection of plants. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,165 SF.
7331	Exchange Eating Facility	SF	A facility that provides either self-service or counter service. These facilities are operated by/for the exchange system and include fast-food concessions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD avera
7332	Non-Exchange Eating Facility	SF	Eating facilities not managed by the exchange system that provide food and beverages, served to personnel by operators who are not associated with the exchange. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the D
7333	Open Mess and Club Facility	SF	Open dining facilities include officer, noncommissioned officer, enlisted and civilian clubs, that provide dining, social programs and entertainment services for the membership. CCF is derived from USACE data. SCF is derived using the Whitestone MARS ba
7340	Thrift Shop	SF	Thrift shops are nonprofit facilities for the sale and purchase of used goods and handmade items. Volunteer family members normally operate these facilities on a consignment basis. CCF is derived from USACE data. SCF is derived using the Whitestone MAR
7341	Bus Station	SF	A facility for personnel to purchase tickets and await bus service. This does not include a simple enclosed bus stop that is under Facility Analysis Category 7384. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the
7342	Laundry/Dry Cleaning Facility	SF	Laundry and dry cleaning facilities provide large-scale laundry and/or dry cleaning operations at most installations or are used at installations for washing protective gear and operators clothing for industrial operations. CCF is derived from USACE data

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Code	Title	UM	Description
7343	Clothing Sales Store	SF	A facility for the sales of military clothing and personal equipment. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.
7344	Postal Facility	SF	A facility that houses United States Postal Service operations. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,485 SF.
7345	Exchange Automobile Facility	SF	A facility that provides space for gasoline dispensing islands, minor automotive repair, and vehicle washing at facilities operated by the exchange system. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD aver
7346	Exchange Sales Facility	SF	A facility that provide space for stock area, sales area, office space, toilets and entrance facilities for the exchange and other related activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average
7347	Bank and Credit Union	SF	A facility that provides the following essential services: checking and savings accounts, loans, foreign currency sales, etc. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,300 SF.
7348	Car Wash Facility	SF	A facility for the washing of privately owned vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 7345.
7349	Commissary	SF	A facility for the retail sale of supermarket products to authorized customers. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,000 SF.
7351	Education Center	SF	A facility that provides space for classrooms, administrative offices, a learning center, educational counseling and testing facilities for the on- and off-duty education of authorized patrons. CCF is derived from TriService data. SCF is derived using t
7352	Dependent School	SF	Dependent schools provide educational facilities on military installations for kindergarten through grade 12. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,854 SF.
7353	Dependent School Support Facility	SF	A facility that supports dependent school functions. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,824 SF.
7361	Chapel Facility	SF	A facility that provides space for religious services in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,815 SF.
7362	Religious Education Facility	SF	A facility that provides space for religious education, activities, family counseling, and community based activities in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the D
7371	Nursery and Child Care Facility	SF	A facility for the care and education of infants thru pre-school age children and for school aged children less than 12 years of age before and after normal public school hours. CCF is derived from TriService data. SCF is derived using the Whitestone MA
7372	Family Service Center	SF	A facility to provide a responsive source of information, guidance, and assistance in solving problems of a personal nature to military personnel and their dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based o

DoD 4-Digit Facility Analysis Category Codes

Code	Title	UM	Description
7380	Homeless Support Facility	SF	A facility that is being provided for housing homeless persons or to assist agencies that provide support to the homeless.
7381	Forestry Guard Station	SF	A facility for observation of a forested area in order to protect against fires. Station includes observation tower and housing for the forester and family. CCF is derived from USACE data. SCF is derived using the Whitestone MARS from FAC 7142.
7382	Locker Room	SF	A facility that provides locker space for the belongings of military personnel who must vacate their quarters for extended periods. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,513 SF.
7383	Air Raid/Fallout Shelter	SF	An enclosed, reinforced facility, generally within or beneath an existing building, that provides protection against air attack and/or nuclear fallout. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average siz
7384	Miscellaneous Personnel Shelter	SF	A facility to protect personnel from the elements, such as bus stops or smoking shelters. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data for FAC 7142.
7385	Public Restroom/Shower	SF	A public toilet and/or shower facility. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 674 SF.
7386	Ceremonial Hall	SF	A facility for the indoor conduct of ceremonies during inclement weather. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,326 SF.
7387	Exchange Support Facility	SF	Administrative or maintenance facilities that support exchange operations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,893 SF.
7388	Exchange Warehouse	SF	Storage facilities that support exchange operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,666 SF.
7389	Private Vehicle Inspection Facility	SF	A facility for the official inspection of privately-owned vehicles for safety and proper maintenance. These facilities are usually located outside of the US and are intended to comply with host nation regulations and/or Status of Forces Agreements. CCF i
7411	Hobby And Craft Center	SF	A facility that provide space for administration, drawing and art studio, storage, photo dark room, audio/photo sales area, separate areas for individual crafts and arts, and kiln area for ceramics. CCF is derived from TriService data. SCF is derived us
7412	Automobile Craft Center	SF	A facility that provide space for auto bays, administration, classroom, tool storage and checkout, break area and lavatories. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.
7413	Golf Club House and Sales	SF	A facility designed to support golf courses on the installation. Space may include equipment storage and maintenance areas, locker rooms, clothing and equipment sales area, and an area for sales of food and beverages. CCF is derived from USACE data. SC
7414	Club and Organization Building	SF	A facility for use by active duty military personnel, authorized civilians, and their family members for private organization/club meetings and activities that are not affiliated with the US government. CCF is derived from TriService data. SCF is derive
7415	Bowling Center	SF	A facility that include space for bowling lanes, equipment and storage space, amusement machine area, pro shop, food and beverage preparation area, serving and seating area, administrative space, concourse, seating for bowlers and observers, lockers, and

DoD 4-Digit Facility Analysis Category Codes

Code	Title	UM	Description
7416	Library, General Use	SF	A facility with bookshelf space, administrative offices, restrooms, reading area, and music appreciation area for the general use of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the
7417	Recreation Center	SF	A facility provided for the recreation and entertainment of the personnel on an installation and their guests to include space for an administrative area, recreation area, toilet and personnel area, food service and sales area, and equipment check-out. C
7418	Indoor Skating Rink	SF	An indoor facility designed for year round ice- and/or roller-skating. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,694 SF.
7421	Indoor Physical Fitness Facility	SF	Fitness facilities may include a gymnasium, athletic courts, work out areas, weight rooms, showers, locker rooms, indoor hand ball courts, administrative space, and storage space. Indoor swimming pools are not included, but are captured under FAC 7422.
7422	Indoor Swimming Pool	SF	An enclosed swimming pool designed for year-round use. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,555 SF.
7431	Auditorium and Theater Facility	SF	Auditoriums and theaters provide space for administrative areas, seating and viewing, film projection and storage, live performances, concession stand, toilets, lobby and ticket sales. CCF is derived from USACE data. SCF is derived using the Whitestone
7441	Transient Lodging	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests in connection with official travel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS data from FAC 7442.
7442	Recreational Lodging	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD av
7443	Transient And Recreational Lodging Support Facility	SF	A facility for the support of short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities or in connection with official travel. CCF is derived from TriService data. SCF is deri
7444	Stable	SF	A facility for the boarding of horses, both privately owned and those available for rental. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data from FAC 4425.
7445	Boathouse	SF	A facility for the storage and maintenance of small boats and canoes. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS data from FAC 4425.
7446	Miscellaneous MWR Facility	SF	Those indoor morale, recreation, and welfare facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,815 SF.
7447	Miscellaneous MWR Support	SF	Those indoor facilities that support morale, recreation, and welfare activities that are not included in another Facility Analysis Category. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average
7511	Playground	EA	Playgrounds are outdoor areas set aside for recreation near family housing, schools, recreational areas, or child support service centers. They provide for the outdoor recreational needs of children. Cost factors are based upon an average size of 6,000

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Code	Title	UM	Description
7512	Outdoor Swimming Pool	EA	Outdoor swimming pools are intended for the recreational use of installation personnel and for water training. Cost factors are based upon a 50-meter pool with change house. CCF is derived from USACE data. SCF is based on a ratio from multiple applicab
7513	Golf Course	EA	Golf courses are grassy, turfed tracts of land with tees, fairways, hazards and greens for the purpose of playing golf. Cost factors are based upon an 18-hole golf course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.
7514	Golf Driving Range	EA	A facility for practicing driving golf balls. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.
7515	Golf Pitch and Putt Course	EA	A smaller version of a regulation golf course, where the distance from tee to hole is normally less than 200 yards. Cost factors are based upon a 9 hole, Par 3, Pitch & Putt course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.
7516	Outdoor Recreation Area	EA	An area for outdoor recreational and/or mealtime activities. The area may include picnic tables, barbecue grills, and space for recreational activities. Cost factors are based upon an area consisting of 6 picnic tables, 3 grills. CCF is derived from FC
7517	Recreational Pier	EA	A platform constructed along or over a body of water, from which wildlife can be observed, recreational boats can be tied or launched, or fishing can take place. Cost factors are based upon medium construction of a small jetty equivalent structure, less
7518	Marina	EA	A facility for berthing pleasure craft. Cost factors are based upon an average size of 150 -200 slips. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 7512.
7521	Outdoor Playing Court	EA	Court areas are outdoor athletic and recreational courts consisting of prepared surfaces marked for tennis, basketball, volleyball, and badminton. CCF is derived from Marshall & Swift data. SCF is derived from FCPA data.
7522	Athletic Field	EA	Baseball, softball, and multipurpose fields for such sports as football and soccer. CCF is derived from USACE data. SCF is derived from FCPA data.
7523	Running Track	EA	Running tracks are prepared surfaces, usually oval in shape, for field and track events. The track often surrounds a football/soccer field. Cost factors based on an oval track, 1/2 mile in length, 12' wide. CCF is derived from USACE and FCPA data. SCF
7524	Stadium	EA	A sports arena, usually oval or horseshoe-shaped, with tiers of seats for spectators. Interior sports area usually contains a field for football, soccer, baseball, softball, or track and field events. CCF is derived from FCPA data. SCF is derived from
7531	Pavilion	SF	A facility that supports outdoor recreation areas such as parks, playgrounds, picnic areas, bleachers, etc. by providing an overhead cover to protect personnel and equipment from the elements. CCF is derived from FCPA data. SCF is based on a ratio from
7532	Outdoor Theater	EA	An outdoor facility to accommodate cultural events such as plays, concerts, and festivals. CCF is derived from RS Means data. SCF is derived from Whitestone data.
7541	Recreational Camp and Trailer Park	EA	Trailer parking sites/pads or tent pads, with associated site facilities, for recreational trailers, vehicles, or tents. Cost factors are based upon an area providing 100 camping sites. CCF is derived from the National Association of RV Parks and Campgr
7542	Miscellaneous Outdoor Recreation Facility	EA	Outdoor recreational facilities not included in another Facility Analysis Category. CCF is derived from FCPA and RS Means data. SCF is based on a ratio of mulitple FACs.
7543	Wildlife Management Area	AC	An area set aside to provide for wildlife habitat and limited sporting activities.

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Code	Title	UM	Description
7601	Museum	SF	A facility for preserving history and tradition, through education oriented exhibits and programs. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,821 SF.
7602	Monument and Memorial	EA	Items such as commemorative plaques, military equipment displays, statues, and the like. CCF is derived from data provided by all the Services. SCF is based on a ratio from FAC 8721.
7603	Cemetery	EA	Those areas set aside, on a government-owned installation, for burial of the dead.
8111	Electrical Power Source	KW	A plant for the generation of electrical power. CCF is derived from USACE data. SCF is derived from RS Means data.
8112	Stand-By/Emergency Power	KW	Stand-by electrical generation to provide power to specific facilities, units, and functions in the event that there is an interruption in normal power. CCF is derived from USACE data. SCF is derived from RS Means data.
8121	Electrical Power Distribution Line	LF	The lines for the transmission of electrical power between source, substations and switching stations, and end users. CCF is derived from USACE data. SCF is derived from the Rural Utility Service (USDA) data.
8122	Exterior lighting lines	LF	Outdoor lighting lines such as street lights and perimeter lights. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8131	Electrical Power Substation and Switching	KV	Equipment for changing the voltage or frequency of electrical power or to distribute power from a main line to several branch lines. CCF is derived from USACE data. SCF is derived from RS Means data.
8211	Heat Source	MB	A central plant for the production of heat for one or more separate facilities. CCF is derived from USACE data. SCF is derived from Whitestone data.
8221	Heat Distribution Line	LF	A pipeline for the transmission of hot water or steam between a central heating plant and the facilities to be heated. CCF is derived from USACE data. SCF is derived from Whitestone data.
8231	Heat Gas Production Plant	MB	A plant for the production of gas to be used directly in heat production. CCF is derived from USACE data. SCF is derived from Energy News data.
8232	Heat Gas Storage	EA	A plant for the storage of gas to be used directly in heat production. Cost factors are based upon a capacity size of 12,000 GA. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8241	Heat Gas Distribution Line	LF	A pipeline for the transmission of gas to be used directly in heat production. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8261	Refrigeration and Air Conditioning Source	TR	A central plant for the production of cooling or air conditioning. CCF is derived from USACE data. SCF is derived from RS Means data.
8271	Chilled Water and Refrigerant Distribution Line	LF	Pipelines for the transport of water or other coolants between a central cooling plant and the facilities to be cooled. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8311	Sewage Treatment	KG	A facility for the treatment of sewage to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.

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Code	Title	UM	Description
8312	Industrial Waste Treatment	KG	A facility for the treatment of industrial waste to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.
8313	Water Separation Facility	KG	A facility for the separation of grease, oil, or grit from wastewater. CCF is derived from data from all the Services. SCF is derived from RS Means data.
8314	Septic Tank, Drain Field, and Lagoon	KG	A facility to hold wastewater during the process of contaminants settling-out or the process of ground filtration. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8313.
8321	Sewer and Industrial Waste Line	LF	A pipeline for the transport of sewage or industrial waste between the source, holding facilities, and/or treatment facilities. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.
8331	Refuse Collection and Recycling Facility	EA	A facility for the collection of refuse or recyclable materials before they are processed for disposal or recycling. Cost factors are based upon an average-size facility of 5,000 SF. CCF is derived from Marshall & Swift data. SCF is based on a ratio f
8332	Incinerator	TH	A facility to burn combustible wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8331.
8333	Sanitary Landfill	AC	A site used for the disposal of solid waste material, other than hazardous waste. CCF is derived from FCSWA data. SCF is derived from FCSWA data.
8334	Hazardous Waste Landfill	AC	A site used for the disposal of hazardous solid waste material. Hazardous waste includes chemical waste, paint, material contaminated with petroleum products. Materials generally not included, and handled separately, are waste POL, biological hazards, r
8411	Water Source, Potable	KG	A source of water that is or can be treated to be safe for drinking.
8412	Water Treatment Facility	KG	A facility for treating raw water in order to make it safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from FCWA data.
8413	Water Storage, Potable	GA	A facility for the storage of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.
8414	Water Well, Potable	KG	A well that provides water which is safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8415*	Desalinization Plant	KG	A plant for the production of potable water from seawater.
8421	Water Distribution Line, Potable	LF	Pipelines for the distribution of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.
8422	Water Pump Facility, Potable	KG	A facility for the pumping of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.
8431	Water Source, Fire Protection	GM	A source of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.
8432	Water Distribution Line, Fire Protection	LF	Pipelines for the distribution of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from AWWA data.
8433	Water Impoundment, Fire Protection	MG	An impoundment for the storage of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8434	Water Pump Facility, Fire Protection	KG	A facility for the pumping of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from RS Means data.

DoD 4-Digit Facility Analysis Category Codes

Code	Title	UM	Description
8435*	Water Tank, Fire Protection	GA	A tank for the storage of water, to be used for fire protection.
8441	Water Source, Non-Potable	KG	A source of water that, in its natural condition, is not safe for drinking. Usually a well or stream. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8442	Water Storage, Non-Potable	GA	A facility for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.
8443	Reservoir, Water	MG	An impoundment for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.
8451	Water Distribution Line, Non-Potable	LF	Pipelines for the distribution of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.
8452	Water Pump Facility, Non-Potable	KG	A facility for the pumping of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.
8511	Road, Surfaced	SY	A hard-surfaced road. The surface is usually either concrete or asphalt. CCF is derived from RS Means data. SCF is derived from MicroPaver data.
8512	Road, Unsurfaced	SY	An unpaved road. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.
8513	Vehicle Bridge	SY	Bridges that support vehicle roadway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8511.
8521	Vehicle Parking, Surfaced	SY	A paved surface for parking private and/or government owned vehicles and equipment. The surface is usually either concrete or asphalt. CCF is derived from USACE data. SCF is derived from RS Means data.
8522	Vehicle Parking, Unsurfaced	SY	An unpaved surface for parking private and/or government owned vehicles and equipment. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.
8523	Vehicle Staging Area	SY	A surfaced or unsurfaced area for the temporary storage or holding of vehicles and equipment awaiting deployment. CCF is derived from USACE data. SCF is derived from RS Means data.
8524	Sidewalk and Walkway	SY	A pathway constructed to support pedestrian traffic. Construction is of concrete, asphalt, paving blocks, gravel, or the like. CCF is derived from USACE data. SCF is derived from RS Means data.
8525	Pedestrian Bridge	SY	Bridges that support walkway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8513.
8526	Miscellaneous Paved Area	SY	Paved surfaces that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.
8601	Railroad Track	MI	Rail track to include spurs, sidings, yards, and turnouts. Track includes two parallel rails, crossties, and roadbed. CCF is derived from USACE data. SCF is derived from data provided by various commercial railroads.
8611	Railroad Bridge	LF	Bridges that support railroad track crossing of a river, road underpass, or similar gap. CCF is derived from AMATS data. SCF is based on a ratio from FAC 8601.
8612	Miscellaneous Railroad Facility	EA	A facility, other than track, normally associated with rail operations. Cost factors are based upon a railroad scale contained within a 100' section of track. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8601.

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Code	Title	UM	Description
8711	Storm Drainage	LF	Drainage pipes or ditches intended to capture and direct the flow of storm water. CCF is derived from Marshall & Swift (Dodge Cost Guide) data. SCF is derived from RS Means data.
8712	Retaining Structure	LF	A structure constructed to restrict or prevent the horizontal movement of earth. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.
8713	Dams and Dikes	EA	A barrier constructed to obstruct the normal flow of a watercourse, causing the water to back-up or divert its path of flow. CCF is derived from data provided by all the Services. SCF is derived from RS Means data.
8721	Fence and Wall	LF	A linear structure intended to restrict access to a specific area or to restrict and direct the flow of traffic. CCF is derived from USACE data. SCF is derived from RS Means data.
8910	Utility Building	SF	A building that contains utility equipment and functions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,297 SF.
8921	Installation Gas Production Plant	EA	Plants for the production of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size of 1,500 SF with 100-HP compressor. CCF is derived from USACE and Marshall & Swift data. SCF is der
8922	Installation Gas Storage	EA	A facility for the storage of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size facility of 1,297 SF. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data
8923	Vehicle Scales	EA	A facility for weighing vehicles and their loads in a roll-on/roll-off mode. CCF is derived from Marshall & Swift data. SCF is derived from data provided by the NY State Dept. of Weights & Measures and commercial scale maintenance companies.
8924	Miscellaneous Pump Station	EA	Miscellaneous liquid pumping stations that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.
8925	Energy Management and Control System	EA	A system to monitor and control the distribution of primary utility services throughout the installation. Included are sensors at various locations, a central control unit, and communication lines to connect the sensors to the control unit. CCF is deriv
8926	Hazardous Waste Storage Or Disposal Facility	EA	A facility used for the storage and/or disposal of hazardous wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 4412..
8927	Utility Vaults	EA	An enclised structure, generally made of concrete, that contains utility equipment, connections, or lines. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data from FAC 8910.
8928	Loading Platform/Ramp	EA	A structure from which trucks or rail cars can be loaded or unloaded by moving the load directly to or from the bed. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8929	Miscellaneous Utility Facility	EA	Miscellaneous utility facilities and systems that are not included in another Facility Analysis Category. These facilities will be treated as having a Unit of Measure of each. CCF is derived from USACE and Marshall & Swift data. SCF is derived from RS
8930	Installation Gas Distribution Line	LF	Distribution pipes for the transfer of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.

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Code	Title	UM	Description
8931	Utility Tunnel	LF	A walk-thru tunnel that contains various utility lines and that allows these lines to be accessed for maintenance. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.
8951	Miscellaneous Storage Tank and Basin	GA	Miscellaneous liquid storage and holding tanks and basins, that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.
8999	Miscellaneous Component of Other Facility	n/a	Components of other Facilities that are generally understood to be part of the other facilities. These items are not used for analysis or costing, as they are accounted for in the other facilities.
9110	Government Owned land	AC	Land comprising the whole or a part of a military installation that is owned by the Federal Government.
9111*	State Owned Land	AC	Land, owned by a State, Territiry, or Possession, that is under the exclusive control of a Military Department.
9120	Withdrawn Public land	AC	Land originally withdrawn from public domain under jurisdiction of the Department of Interior.
9130	Licensed and Permitted Land	AC	Land acquired for use under license or permit.
9140	Public Land	AC	Public land of Territories or Possessions acquired for use of the Federal Government.
9210	Land Easement	AC	A right that allows the US Forces access to and use of land for a specific purpose, without depriving the owner or tenant of continued use.
9220	In-leased Land	AC	Land leased to the Services comprising the whole or part of a military installation.
9230	Foreign Land	AC	Land under the custody of the Services comprising a military installation in a foreign country or trust area, except that land in Facility Analysis Categories 9210 and 9220.
9311	Building Improvements and Acquisitions	n/a	The acquisition and/or improvement of a building. This Facility Analysis Category should not be used for inventory purposes.
9321	Clearing, Grading, and Landscaping	n/a	The removal of vegetation, reshaping of the land surface, and/or the planting of decorative trees and shrubs. This Facility Analysis Category should not be used for inventory purposes.
9331	Demolition	n/a	The razing of structures and other obstructions and subsequent removal of debris. This Facility Analysis Category should not be used for inventory purposes.
9341	Cut and Fill	n/a	The removal of soil from higher elevations and/or the placement of soil in lower elevations to prepare a site for further construction. This Facility Analysis Category should not be used for inventory purposes.
9351	Dredging	n/a	The removal of the bed material underlying a body of water, to provide operating channels, maneuvering area, anchorages and moving basins for ships.
9391	Other Real Property Improvements	n/a	Other improvements to real property that are not included in another Facility Analysis Category. This Facility Analysis Category should not be used for inventory purposes.
9411	Contaminated Facility or Area	n/a	A facility or land that has been contaminated and in unavailable for use, excluding as impact areas. This Facility Analysis Category should not be used for inventory purposes as the facility or land is also captured in other categories.
9999	Not Real Property	n/a	Service category codes that are not accountable items of real property.

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Code	Title	UM	Description

Notes:

1. n/a = not applicable. There is no construction or sustainment cost associated with this FAC.
2. FAC numbers annotated with an asterisk (*) indicates a new or redefined FAC.
3. FAC UMs annotated with an asterisk (*) indicates a change from previous UM.

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DoD FACILITIES PRICING GUIDE

VERSION 5 MARCH 2003

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Deputy Under Secretary of Defense for Installations and Environment (Preparing Activity)

Department of the Army: U.S. Army Corps of Engineers

Department of the Navy: Naval Facilities Engineering Command

Department of the Air Force: Air Force Civil Engineer Support Agency

Record of Changes (changes are indicated by **1**\ ... /**1**/)

Change No.	**Date**	**Location**

FOREWORD

The Unified Facilities Criteria (UFC) system is prescribed by MIL-STD 3007 and provides planning, design, construction, sustainment, restoration, and modernization criteria. It applies to the Military Departments, Defense Agencies, and DoD Field Activities in accordance with USD(AT&L) Memorandum dated 29 May 2002. UFC will be used for all DoD projects and work for other customers where appropriate. Headquarters, U.S. Army Corps of Engineers (HQUSACE), Naval Facilities Engineering Command (NAVFAC), and Air Force Civil Engineer Support Agency (AFCESA) are responsible for administration of the UFC system. Technical content of UFC is the responsibility of the cognizant DoD working group.

UFC are living documents and will be periodically reviewed, updated, and made available to users. Recommended changes with supporting rationale should be sent to the respective service proponent office via the electronic Criteria Change Request (CCR) form. This form is accessible from the Internet sites listed below. Defense agencies should contact the preparing activity for document interpretation and improvements.

UFC are effective upon issuance and are distributed only in electronic media from the following sources:

- *Unified Facilities Criteria (UFC) Index* http://65.204.17.188//report/doc_ufc.html.
- USACE TECHINFO Internet site http://www.hnd.usace.army.mil/techinfo/index.htm.
- NAVFAC Engineering Innovation and Criteria Office Internet site http://criteria.navfac.navy.mil.
- *Construction Criteria Base (CCB) system maintained by the National Institute of Building Sciences at Internet site* http://www.nibs.org/ccb.

Copies of UFC printed from electronic media should be checked against the current electronic version prior to use to ensure that they are current.

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INTRODUCTION

The DoD Facilities Pricing Guide represents a new milestone in the Department's ongoing effort to unify programming and budgeting guidance for facilities. The Guide consists of two parts formerly published separately.

- **Part 1**, previously published as the DoD Facilities Cost Factor Handbook, provides unit cost factors intended for macro-level analysis and planning in tools such as the Facilities Sustainment Model and the Facilities Recapitalization Metric. These cost factors are generally not suitable for individual facilities or projects.

- **Part 2**, formerly published separately as the Tri-Service MILCON Pricing Guidance, provides unit cost data and related adjustment factors for selected DoD facility types and is intended for use in developing project-level estimates and preparing MILCON project documentation (DD Forms 1391).

Users may note similarities between the two sections—specifically, that many of the Part 1 construction cost factors are derived from corresponding Tri-Service Primary Facility Unit Cost Data found in Part 2. Nonetheless, Part 1 construction cost factors may differ slightly from those in Part 2 due to the following reasons:

- Facility Analysis Categories (FACs) that form the basis of Part 1 cost factors differ from Primary Facility Unit categories that are the basis of the Part 2 cost factors. Often, FACs are more specific than the Primary Facility Unit categories. FACs may also be a composite of Primary Facility Unit categories and other sources.
- FAC (Part 1) cost factors are based upon the reported average DoD facility size or an established benchmark, as annotated in the FAC notes. This may differ from the reference size for Part 2 cost factors.
- Part 1 cost factors are expressed in current year (FY03) dollars; part 2 cost factors are expressed in FY05 dollars.

The Department intends to more-fully integrate the data provided in these two sections in future versions of the Guide to better serve common objectives, and welcomes any recommendations that users may have toward this goal.

The Office of the Deputy Under Secretary of Defense for Installations and Environment is the proponent for the Facilities Pricing Guide. Please e-mail your comments to: DoD.Pricing.Guide@osd.mil.

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DOD FACILITIES PRICING GUIDE—PART 1

Introduction

To promote macro-level analysis and planning, DoD implemented a facility classification system that groups facilities with similar functions and units of measure into Facility Analysis Categories (FACs). For each of nearly four hundred FACs, this section identifies both sustainment and construction cost factors and the source upon which they are based. Whenever possible, cost factors have been based upon commercial benchmarks. As with the FACs they represent, these cost factors are intended for macro-level analysis and planning and are not suitable for individual facilities or projects.

New In This Version

Version 5.0 of the Guide expands on the previous research and modifies the presentation format. Changes included are:

- 50 new or renumbered FACs: each new or renumbered FAC is indicated with an * in the DOD COST FACTOR TABLE.
- Updated cost factors for FACs measured in square feet based upon a commercial cost-estimating model (the MARS 5.0 Facility Maintenance Cost Forecast System developed by Whitestone Research Corporation). The MARS system provides increased accuracy and consistency by generating costs from detailed component lists that include roof structures, walls, doors, windows, HVAC components, plumbing fixtures, electrical components, and other specialized items tailored to each FAC.
- Updated cost factors for specific facility types (such as medical facilities) based upon more-detailed cost data from users.
- Expanded FAC descriptions that include “average” size information upon which the cost factors are based.

Sustainment Cost Factors

Definition of Facilities Sustainment

Provides resources for maintenance and repair activities necessary to keep a typical inventory of facilities in good working order over a 50-year service life. It includes regularly scheduled adjustments and inspections, preventive maintenance tasks, and emergency response and service calls for minor repairs. It also includes major repairs or

replacement of facility components (usually accomplished by contract) that are expected to occur periodically throughout the facility life cycle. This work includes regular roof replacement, refinishing wall surfaces, repairing and replacing electrical, heating, and cooling systems, replacing tile and carpeting, and similar types of work.[1] It does not include repairing or replacing non-attached equipment or furniture, or building components that typically last more than 50 years (such as foundations and structural members). Sustainment does not include restoration, modernization, environmental compliance, specialized historical preservation,[2] or costs related to acts of God, which are funded elsewhere. Other tasks associated with facilities operations (such as custodial services, grass cutting, landscaping, waste disposal, and the provision of central utilities) are also not included.[3]

Use of Sustainment Cost Factors

Sustainment requirements can be forecasted accurately using unit cost factors adjusted for location. DoD employs such a cost-factor methodology in the Facilities Sustainment Model (FSM) to determine the DoD-wide facility sustainment requirement. The formula is:

Requirement = Facility Quantity[4] x Sustainment Cost Factor x Area Cost Factor[5] x Inflation Factor

The cost factor methodology is inherently superior to other methods in calculating sustainment requirements. Another common method—using a percentage of plant replacement value—is a less-accurate generalization across an entire inventory. In terms of plant replacement value, actual sustainment costs for DoD facilities range from considerably less than 1% (FAC 8112 – Stand-By/Emergency Power) to over 19% (FAC 8122 – Exterior Lighting Lines). This finding is supported by Whitestone Research,[6] and other studies published by the National Academy of Sciences. The use of the backlog of maintenance and repair (BMAR) as a means of estimating the sustainment requirement, is also fraught with problems, including subjectivity, the difficulty and expense of obtaining a valid number, and its propensity to change independent of funding levels. Even if these inherent problems could be overcome, BMAR fails as a facilities sustainment metric since the backlog often includes other costs (such as restoration and modernization) that are beyond the scope of sustainment. Because of this, DoD no longer uses BMAR as a metric.

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[1] Facilities Sustainment also generally allows for overhead costs, which include architectural and engineering services.
[2] Specialized historical preservation costs are those for customized components or materials that are no longer readily available.
[3] Facilities Sustainment Program Element (PE) definition adopted for use in FY 2003 budget development.
[4] The application of cost factors to existing real property records could lead to large errors if the inventory and units of measure are not first screened and validated, as is done in the DoD Facilities Sustainment Model. These errors and conversions primarily involve facility categories that are measured in terms of capacity (miles, feet, kilovolts, kilowatts, gallons, thousands of gallons per day, millions of BTU per hour, etc.).
[5] A geographic location adjustment for costs of labor, material, and equipment, published in Part 2 of this pricing guide.
[6] *The Whitestone Building Maintenance and Repair Cost Reference, 2002*, p. 7.

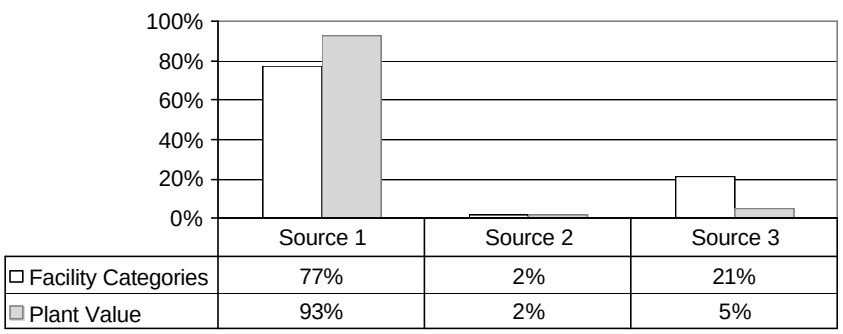
Selection of Sustainment Cost Factors

In selecting from possible sustainment cost sources, the most credible factor was assigned to each facility category. General "credibility" was determined by a priority scheme for groups of cost factor sources. Where two or more cost factors were available within the top group, a selection was based upon engineering judgment and approved by consensus of the DoD FSM Configuration/Support Panel.

Sustainment Cost Factor Source Hierarchy	
Source 1	Standard, off-the-shelf, commercially published sources (e.g., Whitestone). These sources are considered most desirable due to ease of access, wide applicability, and lack of bias. Publications cover whole facilities and separate components of facilities, and include factors from professional associations and certain non-DoD federal, state, or local government agencies.
Source 2	Source 1 cost factors that are applied to facilities with similar but not identical characteristics (e.g., sewage waste treatment facilities and industrial waste treatment facilities). Source 2 also includes Service-validated cost factors for facilities that have no commercial counterparts (e.g. missile launch facilities or military ranges).
Source 3	Cost factors derived from Source-1 factors by multiplying the construction cost factor by the ratio of the sustainment cost factor to the construction cost factor for a similar Source-1 Facilities Analysis Category (e.g. FAC 2115, Aircraft Maintenance Hangar, Depot derived from FAC 2111, Aircraft Maintenance Hangar).

Distribution of Sustainment Cost Factors

For each cost factor, the cost factor table indicates the source group (1, 2, or 3) that is intended to reflect its relative accuracy and credibility. In version 5.0 of the pricing guide, 77% of the facility categories (representing 93% of DoD's plant replacement value) are assigned Source 1 sustainment cost factors.



Distribution of Sustainment Cost Factors by Source Group

	Source 1	Source 2	Source 3
Facility Categories	77%	2%	21%
Plant Value	93%	2%	5%

Construction Cost Factors

Definition of Construction

Construction provides a complete and useable facility capable of serving the purposes for which it was designed. Construction costs include pilings, foundations, all interior and exterior walls and doors, the roof, utilities up to the 5-foot line, all built-in plumbing and lighting fixtures, security and fire protection systems, electrical distribution, wall and floor coverings, heating and air conditioning systems, and elevators. Not included are items generally termed personal property such as computer systems, telephone instruments, and furniture. Also not included are project costs such as design, supporting facility costs, equipment acquired with other funding sources (e.g. mission-funded range targets), contingency costs, and supervision, inspection, and overhead (SIOH).

Use of Construction Cost Factors

Construction cost factors form the basis of calculating plant replacement value. The standard DoD algorithm for calculating plant replacement value is:

Plant Replacement Value = Facility Quantity[7] x Construction Cost Factor x Area Cost Factor[8] x Historical Records Adjustment[9] x Planning and Design Factor[10] x Supervision Inspection and Overhead Factor[11] x Contingency Factor[12]

While this methodology is generally accepted, there has been significant divergence on the cost factors used in these calculations. Adoption of the standardized cost factors presented here will greatly increase the accuracy and consistency of plant replacement value calculations across DoD.

[7] The application of cost factors to existing real property records could lead to large errors if the inventory and units of measure are not first screened and validated, as is done in the DoD Facilities Sustainment Model. These errors and conversions primarily involve facility categories that are measured in terms of capacity (miles, feet, kilovolts, kilowatts, gallons, thousands of gallons per day, millions of BTU per hour, etc.)

[8] A geographic location adjustment for costs of labor, material, and equipment, published in Part 2 of this pricing guide.

[9] An adjustment to account for increased costs for replacement of historical facilities or for construction in a historic district; the current value of the factor is 1.05 (a 5% increase).

[10] A factor to account for the planning and design of a facility; the current value of this factor is 1.09 (a 9% increase) for all but medical facilities and 1.13 (a 13% increase) for medical facilities.

[11] A factor to account for the supervision, inspection, and overhead activities associated with the management of a construction project; the current value of the factor is 1.06 (a 6% increase) for facilities in the continental US (CONUS) and 1.065 (a 6.5% increase) for facilities outside of the continental US (OCONUS).

[12] A factor to account for construction contingencies; the current value of the factor is 1.05 (a 5% increase).

Construction cost factors can also support new construction cost estimates. As with sustainment cost calculations, such estimates are most reliable at the programmatic level, and lose accuracy when applied to specific facilities or projects. These calculations can be useful for DoD and Service-level modeling of:

- Re-stationing and Regionalization
- Joint facilities studies
- Determining rates of re-capitalization
- Describing the magnitude of a facility inventory in a common unit of measure

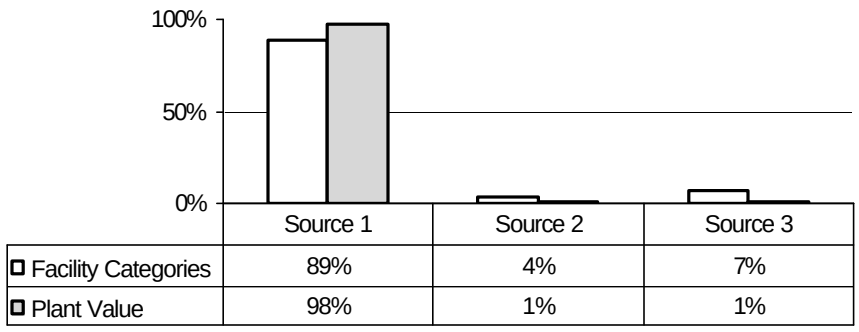
Selection of Construction Cost Factors

As with sustainment cost factors, a hierarchy was established for groups of cost factor sources. Where more than one cost factor source was available within Source 1, a selection was based upon engineering judgment and approved by consensus of the FSM Working Group.

Construction Cost Factor Source Hierarchy	
Source 1	Easily-accessed and widely applicable data. Cost factors in this category were taken directly from the DoD Tri-Service Committee on Cost Engineering (mandatory within the DoD for applicable construction); Service-specific cost guidance (USACE, USAF); commercial cost-estimating guidelines (e.g., M&S or Whitestone); or other Government-published cost guidance (e.g. Fairfax County (Virginia) Park Authority).
Source 2	Unpublished government or trade association average cost data (e.g. CEAC).
Source 3	Unpublished project-specific data, derived from Service project documents (e.g. DD Forms 1391), or by calculating costs from reported plant replacement value and inventory.

Distribution of Construction Cost Factors

For each cost factor, the cost factor table indicates the source group (1, 2, or 3) that is intended to reflect its relative accuracy and credibility. In version 5.0 of the pricing guide, 89% of the facility categories (representing 98% of DoD's plant replacement value) are assigned Source 1 cost factors.



	Source 1	Source 2	Source 3
Facility Categories	89%	4%	7%
Plant Value	98%	1%	1%

Guidelines for Revising Published Cost Factors

Users of the DOD FACILITIES PRICING GUIDE are encouraged to suggest revisions to the published cost factors, particularly for facilities unique to their mission. Submit proposed changes to the Office of the Under Secretary of Defense for Installations (ODUSD(I)/A&I)[13] in accordance with the following guidelines:

- Revised factors should come from an equivalent or superior source
- Revised factors should be easily audited
- Revised factors should be consistent with the definitions of sustainment or construction
- Revised factors should be consistent with the scope of the Facility Analysis Category
- Revised factors should be suitable for application throughout DoD

[13] E-mail to: DoD.Pricing.Guide@osd.mil.

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1111	Fixed -Wing Runway, Surfaced	SY	A paved surface designed for the alnding and takeoff of fixed-wing aricraft that can also accommodate rotary-wing aircraft. The surface is usually concrete or asphalt. Runway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$1.22
1112	Rotary-Wing Landing Area, Surfaced	SY	A paved surface designed for the landing and takeoff of rotary wing aircraft. The surface is usually concrete or asphalt. It can be either a helipad or a runway. Helipad or runway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.88
1113	Runway Overrun Area, Surfaced	SY	An extension of a runway surface. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.72
1114	Runway, Unsurfaced	SY	An unpaved surface designed for the landing and takeoff of fixed-wing aircraft. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.	$6.53	$0.16
1121	Taxiway, Surfaced	SY	A paved surface designed for the movement of fixed-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1122	Rotary-Wing Taxiway, Surfaced	SY	A paved surface designed for the movement of rotary-wing aircraft. The surface is usually concrete or asphalt. Taxiway lighting is not included, but is captured under Facility Analysis Category 1361. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1131	Aircraft Apron, Surfaced	SY	A paved surface designed for standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. Aprons support such activities as aircraft parking, loading, and maintenance. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1161	Compass Calibration Pad, Surfaced	SY	A paved area in a magnetically quiet zone of the airfield used for the precise calibration of all types of air navigational equipment. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1162	Missile Launching Pad, Surfaced	SY	A paved surface designed for the erection and launching of a guided missile. The surface is usually concrete. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1163	Aircraft Washing Pad, Surfaced	SY	A paved surface designed for washing of standing fixed-wing or rotary-wing aircraft. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1164	Miscellaneous Airfield Pavement, Surfaced	SY	A paved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface is usually concrete or asphalt. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.89
1165	Aircraft Pavement Shoulder	SY	The shoulders of runways, taxiways, etc. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.72
1166	Miscellaneous Airfield Pavement, Unsurfaced	SY	An unpaved airfield surface designed for a function other than those included in other airfield pavement Facility Analysis Categories. The surface can be dirt, gravel, or grass. CCF is derived from USACE data. SCF is based on a ratio from FAC 8512.	$6.53	$0.16
1167	Aircraft Rinse Facility	SY	A central facility for rinsing aircraft to remove dirt and pollutants. CCF is derived from PACES. SCF is derived from MicroPaver.	$91.85	$0.79
1211	Aircraft Fueling Facility	GM	A facility for the direct fueling of aircraft or for the filling of aircraft fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	$144.43	$4.29

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1212	**Aircraft Defueling Facility**	GM	A facility for the direct defueling of aircraft. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	$32.22	$0.96
1221	**Marine Fueling Facility**	GM	A facility for the direct fueling of ships. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 7345.	$22.14	$0.66
1231	**Vehicle Fueling Facility**	OL	A facility for the direct fueling of land vehicles or for the filling of fuel tanker trucks. These facilities do not include associated fuel storage that is captured under Facility Analysis Category 1241. CCF is derived from USACE data. SCF is based on a ratio from FAC 7345.	$4,526.40	$134.43
1241	**Operating Fuel Storage**	GA	Storage tanks that provide an operating and reserve supply of fuel. Cost factors are based on a 5000 GA tank. CCF is derived from USACE data. SCF is derived from RS Means.	$3.94	$0.08
1251	**POL Pipeline**	MI	Pipelines for the transfer of operating and reserve supplies of petroleum, oil, and lubricant products. CCF is derived from Marshall & Swift data. SCF is derived from a ratio of multiple FACs.	$446,518.80	$3,661.45
1261	**Liquid Fuel Loading/Unloading Facility**	OL	A facility that supports loading and/or unloading of operating and reserve supply of fuels and other petroleum, oil, and lubricant products to other than the end user. Includes loading/unloading of tank trucks, tank cars, and barges. CCF is derived from USACE data. SCF is based on a ratio from FAC 7345.	$4,526.40	$134.43
1311	**Communications Building**	SF	A building that contains communications operations and communication equipment. Communication equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from Whitestone MARS, based on the DoD average size of 3,610 SF.	$192.86	$3.23
1321	**Communications Facility**	EA	A facility, other than a building, that supports communications operations and communication equipment. Cost factors are based upon a 75' self-supporting tower. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1311.	$40,499.55	$676.34
1331	**Aircraft Navigation Building**	SF	A building that contains aircraft navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from Whitestone MARS, based on the DoD average size of 572 SF.	$272.85	$6.67
1341	**Aircraft Navigation Facility**	EA	A facility, other than a building, that supports aircraft navigation and traffic control operations. CCF is derived from data reported by the various Services. SCF is based on a ratio from FAC 1331.	$8,278.73	$202.00
1351	**Communications Lines**	MI	Communication lines, to include overhead, underground, and marine cables and lines. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$72,492.90	$123.92
1361	**Airfield Pavement Lighting**	LF	Lighting on the sides and approaches of airfield pavements. Does not include other airfield lighting, such as perimeter lighting, security lighting, and street and parking lighting. CCF is derived from AFCESA data. SCF is derived from RS Means data.	$89.94	$0.56
1362	**Airfield Lighting**	EA	Other lighting directly related to aviation operations that is not airfield pavement lighting included in Facility Analysis Category 1361. CCF is derived from Air Force and RS Means data. SCF is based on a ratio from FAC 1361.	$2,296.16	$14.24
1371	**Ship Navigation Building**	SF	A building that contains ship navigation and traffic control equipment and functions. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from Whitestone MARS based on the DoD average size of 4,743 SF.	$192.86	$3.60

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1381	**Ship Navigation Facility**	EA	A facility, other than a building, that supports ship navigation and traffic control operations. Cost factors are based upon an Ocean Science Group SL125C beacon with buoy and anchor system. CCF is derived from data provided by Ocean Science Group. SCF is based on a ratio from FAC 1351.	$12,131.08	$20.62
1402	**Air Defense Operations Building**	SF	A building containing equipment and functions directly related to air defense operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from Whitestone MARS based on the DoD average size of 9,024 SF.	$190.45	$3.11
1403	**Missile Operations Building**	SF	A building containing equipment and functions directly related to guided missile operations. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,398 SF.	$388.12	$4.91
1404	**Emergency Operations Center / SCIF**	SF	A building or part of a building from which commanders and their representatives can direct operations, control forces during emergencies, or in which sensitive classified materials are reviewed and stored. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 6,884 SF.	$177.12	$4.16
1411	**Airfield Fire And Rescue Station**	SF	A building containing the personnel and equipment that provides fire and rescue support to the airfield. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 5,425 SF.	$194.37	$3.26
1412	**Aviation Operations Building**	SF	A building containing functions that are directly related to aviation operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 8,095 SF.	$143.12	$3.10
1413	**Air Control Tower**	SF	A facility containing the equipment and functions directly related to the control of aviation traffic. Facility typically contains an elevated observation deck with all-around observation. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE and AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 2,372 SF.	$557.93	$2.73
1421	**Helium Production/Storage Building**	SF	A building for the receipt, bulk storage, processing, and dispensing of helium gas. Included are tanks, valves, valve chambers, and similar equipment. CCF is derived from TriService data. SCF is derived from the Whitestone MARS for FAC 4422.	$79.29	$1.03
1422	**Helium Storage Facility**	EA	A facility, other than a building, for the bulk storage of helium gas. Cost factors are based on a 30,000 GA welded steel pressure tank. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1421.	$72,678.06	$944.81
1431	**Ship Operations Building**	SF	A building containing functions that are directly related to ship operations. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,107 SF.	$135.38	$3.19
1441	**Photo/TV Production Building**	SF	A building containing the equipment and functions that provide photographic or television production. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 5,480 SF.	$151.00	$3.77
1442	**Operations Support Lab**	SF	A building containing the equipment and functions of a technical laboratory that directly supports operational activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,578 SF.	$187.94	$3.14

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1443	**Operations Supply Building**	SF	A building containing the equipment and functions that directly support operational supply activities. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived from the Whitestone MARS based on the DoD average size of 8,791 SF.	$69.62	$2.48
1444	**Miscellaneous Operations Support Building**	SF	A building containing equipment and functions that directly support operational activities not included in other Facility Analysis Categories. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 2,338 SF.	$175.90	$4.00
1445	**Working Animal Support Building**	SF	A building containing working animal operational and support functions. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,592 SF.	$81.38	$4.89
1446	**Security Force Building**	SF	A building for a stand-by security force. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 6,545 SF.	$126.94	$3.81
1451	**Strategic Missile Launch Facility**	EA	An underground facility containing an inter-continental ballistic missile, ready for launch. CCF is derived from AFCESA data. SCF is derived from data pertaining to FAC 1452.	$4,237,545.77	$9,091.72
1452	**Missile Guidance Facility**	SF	A facility containing the equipment and functions of command and control communications providing telemetry for ballistic missiles. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS based on the DoD average size of 1,846 SF.	$335.93	$5.13
1453	**Missile Access Shaft**	EA	Elevator shaft access connecting areas between underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	$74,755.58	$1,143.76
1454	**Missile Access Tunnel**	LF	Tunnels connecting underground missile facilities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	$611.43	$9.35
1455	**Missile Shelter**	SF	Structures intended to protect guided missiles from weather and attack. CCF is derived from USACE data. SCF is based on a ratio from FAC 4427.	$30.50	$0.46
1456	**Missile Defense Facility**	EA	A facility, other than a building, directly related to missile defense operations. Cost factors are based upon an average size of 1,398 SF. CCF is derived from Air Force data. SCF is derived from the Whitestone MARS data for FAC 1403.	$542,591.76	$6,864.18
1461	**Aircraft Arresting System**	EA	A system for engaging aircraft and absorbing kinetic energy in order to quickly and safely capture and stop the aircraft. Cost factors are based upon the BAK-21 Aircraft Arresting System. A system employed as a pair constitutes 1 EA. CCF is derived from Air Force data. SCF is based on a ratio from FAC 1452.	$653,934.68	$10,005.20
1462	**Aircraft Catapult**	EA	Ground-emplaced equipment to replicate the launching of aircraft from an aircraft carrier deck. CCF is derived from Navy data. SCF is based on a ratio from FAC 1452.	$123,601.53	$1,891.10
1463	**Aircraft Firing-In Butt**	EA	An earth and wood backstop used as a safe area, toward which aircraft weapons are pointed when hot ammunition is downloaded. CCF is derived from Air Force data. SCF is derived from Air Force data.	$382,238.93	$25,482.59
1464	**Aircraft Blast Deflector**	EA	A structure for deflecting the force of jet blast away from personnel, equipment, or facilities. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 2123.	$35,598.73	$573.14
1465	**Aircraft Shelter, Hardened**	SF	Hardened shelters intended to protect tactical aircraft in a forward location from attack. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 7,574 SF.	$291.26	$2.31
1466	**Aircraft Shelter**	SF	Shelters intended to protect fighter interceptor aircraft on alert from the elements. CCF is derived from AFCESA data. SCF is derived from the Whitestone MARS based on the DoD average size of 11,026 SF.	$119.06	$1.00

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1467	Aircraft Support Facility	EA	A facility containing equipment and functions that support aviation operations. D82	$59,330.82	$1,287.48
1481	Nuclear Propulsion Support Facility	EA	A facility, other than a building, directly related to nuclear propulsion operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 1402.	$112,851.30	$1,839.48
1491	Nuclear Weapons Support Facility	EA	A facility, other than a building, directly related to nuclear weapon operations. CCF is derived from Navy data. SCF is based on a ratio from FAC 2153.	$115,973.00	$1,449.66
1492	Explosives Holding/Transfer Area	SY	An open area used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from USACE data. SCF is derived from RS Means data.	$44.28	$1.04
1493	Explosives Railway Holding Yard	EA	A rail yard used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from Navy data. SCF is derived from RS Means and other data sources.	$325,459.80	$5,193.54
1494	Explosives Holding/Transfer Facility	EA	A facility used for the transfer and/or temporary holding of ammunition and explosive materials. CCF is derived from AFCESA data. SCF is based on a ratio from FAC 1493.	$6,309.65	$148.28
1495	Revetment	EA	A barrier to protect personnel, equipment, or facilities from attack or explosion. Cost factors are based upon a barrier 50' wide (at the base) by 12' high by 100' long. CCF is derived from USACE data. SCF is derived from RS Means data.	$16,965.17	$234.12
1496	Central Vehicle Wash Facility	EA	A facility for pre-wash mud removal and washing of military and commercial vehicles. Included are water recirculation, high- and low- pressure cleaning, water containment and drains, and sediment and sludge removal. CCF is derived from USACE data. SCF is based on a ratio from FAC 2141.	$6,543,216.24	$128,901.36
1497	Explosive Ordnance Disposal Area	EA	An area in which explosive ordnance and explosive devices can be safely disarmed or destroyed.	n/a	n/a
1498	Security Support Facility	SF	Fighting positions or security checkpoints used to directly support security operations. CCF is derived from USACE data. SCF is derived from the Whitestone MARS based on the DoD average size of 184 SF.	$188.93	$2.83
1499	Miscellaneous Operations Support Facility	EA	A facility, other than a building, that directly supports operational activities and is not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is based on a ratio from FAC 7384.	$13,746.25	$180.08
1511	Pier	SY	A structure for docking ships that extends into the waterway such that ships can dock along both sides. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.	$833.78	$24.26
1512*	Wharf	SY	A structure that abuts the waterway such that ships can dock along only the seaward side. CCF is derived from Marshall & Swift. SCF is derived from data supplied by the Navy and various commercial port authorities.	$833.78	$24.11
1531	Marine Cargo Staging Area	SY	An open area for the temporary placement of cargo to be loaded on, or already unloaded from, ships. CCF is derived from USACE data. SCF is derived from RS Means data.	$44.28	$1.04
1541	Shore Erosion Prevention Facility	LF	Structures constructed to prevent shore erosion due to wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	$434.25	$5.99
1551	Small Craft Berthing	FB	Small craft berthing consists of either a pier or wharf providing an area for small craft (less than 66 feet in length) to berth. This may include lighterage vessels, tug boats, fire boats, and other small craft. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 1511.	$1,971.69	$57.38
1552	Small Craft Building	SF	A building in which small craft (less than 66 feet in length) can be stored. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,175 SF.	$24.16	$1.44

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1591	Miscellaneous Waterfront Facility	EA	A facility that directly supports waterfront operations and is not included in another Facility Analysis Category.	$39,850.21	$549.93
1611	Harbor Control Facility	EA	A facility that functions to control physical access to a harbor. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1371.	$396,422.33	$7,413.10
1631	Offshore Mooring Facility	EA	A structure used to physically secure a ship at an offshore location, not alongside a pier or wharf. CCF is derived from data from all the Services. SCF is based on a ratio from FAC 1381.	$8,439.28	$14.35
1641	Harbor Marine Improvements	LF	Structures constructed to improve harbor operations by reducing wave action. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	$434.25	$5.99
1711	General Purpose Instruction Building	SF	Training buildings that include primarily classroom space for multipurpose training instruction typically conducted by a school/training center. These facilities may include auditorium, library and/or technical education or learning resource centers, and administrative support space. These general-purpose facilities are intended for use by organizations that serve a large population for basic lecture/conference/seminar instruction. These facilities are distinct from organizational classroom areas associated with unit headquarters and trainee barracks. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,192 SF.	$143.12	$3.43
1712	Applied Instruction Building	SF	Training buildings that include dedicated space for specialized training instruction typically conducted by a school/training center. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,984 SF.	$164.39	$2.56
1713	Band Training Facility	SF	A facility housing the training and administrative functions of a band unit and/or chorus unit. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,103 SF.	$124.97	$3.66
1714	Reserve Training Facility	SF	Reserve Component training centers are multipurpose facilities for the gathering, training, and dispatching of National Guard and/or Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,178 SF.	$125.71	$3.94
1715	Physical Education Building	SF	A building for the purpose of conducting physical education training. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	$155.69	$3.29
1717	Organizational Classroom	SF	A facility, or portions thereof, that provides space to conduct indoor classroom instruction at organizational level. D153	$124.97	$4.21
1718	Indoor Firing Range and Supporting Facility	SF	Indoor firing ranges provide marksmanship training space for the firing of pistols and small caliber rifles. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,827 SF.	$110.21	$4.38
1721	Flight Simulator Facility	SF	A facility designed to house flight simulators and other flight training devices. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from Air Force and USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,793 SF.	$185.97	$5.01
1722	Physiological Training Facility	SF	A facility for training air-crew members and passengers on the physiological effects of high altitude flight, spatial disorientation, night vision, and decompression and ejection seat escape. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,160 SF.	$100.90	$2.69
1723	Gas Training Facility	SF	A facility for training personnel in the use of protective masks and the effects of chemical warfare. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,733 SF.	$107.26	$2.32

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1724	General Purpose Simulator Facility	SF	A building containing simulator equipment or in which battle and battle control exercises are conducted. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,376 SF.	$136.78	$3.18
1725	Training Pool and Tank	EA	A water-filled structure for training related to water operations and survival. CCF is derived from data supplied by all the Services. SCF is based on a ratio from FAC 7422.	$327,141.48	$7,229.83
1731	Range Support Building	SF	A facility containing equipment and functions that support range operations. CCF is derived from AFCESA and USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,060 SF.	$106.50	$2.88
1732	Training Aids Support Building	SF	A facility containing training aids and equipment storage and training aids fabrication activities. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,458 SF.	$117.10	$2.54
1733	Training Support Structure	SF	A facility, other than a building, that directly supports training activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,222 SF.	$42.31	$0.49
1734*	Observation Tower/Bunker	EA	A structure from which observation and control of training and other operations can be conducted. Cost factors are based upon an average size of 800 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 1413.	$140,121.60	$686.60
1741*	Maneuver/Training Land, Light Forces	AC	Maneuver/training lands that provide space for the movement of light combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.	$0.00	$0.53
1742*	Maneuver/Training Land, Heavy Forces	AC	Maneuver/training lands that provide space for the movement of heavy combat forces and equipment under simulated battlefield conditions for training purposes to improve combat readiness. SCF is based on data from the ATSC.	$0.00	$0.53
1743*	Weapons Impact Area	AC	Impact areas have designated boundaries within which all ordnance will detonate or impact. The primary function of impact areas is to contain weapons effects as much as possible using earthen berms or natural terrain features. SCF is based on data from the ATSC.	$0.00	$0.53
1744*	Parachute Drop Zone	AC	A cleared area suitable for the landing of personnel and/or equipment via parachute drop. SCF is based on data from the ATSC.	$0.00	$0.53
1745*	Parade and Drill Field	AC	An area that provides open space for military ceremonies, outdoor drill training, physical fitness tests, and physical exercises. SCF is based on data from RS Means.	$0.00	$111.96
1750*	General Purpose Small Arms Range	FP	A training range for the firing of small arms. Exact design of these ranges will vary according to the specific nature of the weapons and training desired. Designed for handguns, shoulder fired weapons, and machineguns. CCF is derived from a design build out. SCF is based on a ratio from multiple range FACs.	$17,421.23	$398.95
1751*	Zero Range	FP	A range for preparatory marksmanship training; zeroing, and corrective instruction on the rifle and machine gun; and to practice machine gun traversing and searching. CCF is derived from USACE data. SCF is derived from USACE data.	$466.46	$14.33
1752*	Field Fire Range	FP	A range for firing the rifle at targets comparable to battlefield ranges, developing speed in target engagements, and developing confidence in individual ability. CCF is derived from USACE data. SCF is derived from RS Means data.	$17,707.29	$379.18
1753*	Record Fire Range	FP	A range for practice and qualification in engaging personnel targets with a rifle in a simulated combat environment. CCF is derived from USACE data. SCF is derived from RS Means data.	$29,593.55	$518.71
1754*	Night Fire Range	FP	A range used for training of night fire rifle engagement techniques and to complete qualification scores. CCF is derived from USACE data. SCF is derived from RS Means data.	$3,262.57	$56.88

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1755*	Known Distance Range	FP	A range for practice and competition with targets located at specified known distances. CCF is derived from a design build out. SCF is based on a ratio from multiple range FACs.	$8,737.84	$190.05
1756*	Sniper Range	FP	A range for day and nighttime sniper training, as well as advanced rifle marksmanship training for selected personnel. The range may include various firing points including towers. CCF is derived from USACE data. SCF is derived from RS Means data.	$115,145.04	$938.51
1757*	Pistol Range	FP	A range for instructional firing of pistols and sub-machineguns, and for combat pistol qualification, and police qualification with pistols, shotguns, and sub-machineguns. CCF is derived from USACE data. SCF is derived from RS Means data.	$2,886.47	$171.19
1758*	Machinegun Range	FP	A range used to qualify gunners with machine guns and automatic weapons. The range may be augmented by adding light vehicle and bunker targets. CCF is derived from USACE data. SCF is derived from RS Means data.	$49,446.43	$331.99
1760*	General Purpose Direct Fire Range	FP	A training range for the firing of large weapons when there is line of sight from the weapon to the target. Weapons can include stationary tanks, artillery, antitank rockets, and grenade launchers.	$0.00	$0.00
1761*	Grenade Launcher Range	FP	A range to teach grenade launcher firing techniques, to qualify grenadiers, and to prepare grenadiers for combat situations. CCF is derived from USACE data. SCF is derived from RS Means data.	$26,819.62	$282.81
1762*	Grenade Machinegun Range	FP	A range to conduct qualification firing with the grenade machinegun. It can also be used to practice target observation and adjustment of fire, to practice machinegun traversing and searching, to develop speed during operation, and to obtain an accurate burst. This range can be used to train with the weapons on the ground or mounted on a vehicle. CCF is derived from USACE data. SCF is derived from data for FAC 8712.	$245.62	$21.98
1763*	Light Antiarmor Weapon Range	FP	A range to teach soldiers the skills needed to defeat armored vehicles with recoilless rifles or light antitank weapons using launch effects trainers, sub-caliber rockets, or small arms cartridges. CCF is derived from USACE data. SCF is derived from RS Means data.	$482,842.87	$1,908.47
1764*	Heavy Antiarmor Weapon Range	FP	A range to teach the techniques of engaging targets with medium and heavy anti-armor weapons (missiles). It is also used for field tracking and qualification exercises with tracking and launch effect trainers. CCF is derived from USACE data. SCF is derived from RS Means data.	$2,508,953.05	$10,833.12
1765*	Artillery Direct Fire Range	FP	A range to fire cannon artillery and other large caliber guns using high-explosive ammunition. Direct fire means the crew can see the target and fires as a point-to-point weapon. CCF is derived from USACE data. SCF is derived from RS Means data.	$1,064,726.78	$6,988.79
1766*	Tank Stationary Gunnery Range	FP	A range to train tank and fighting vehicle crews in the rapid engagement and destruction of targets during day and night exercises from a stationary vehicle. CCF is derived from USACE data. SCF is derived from RS Means data.	$6,095,929.06	$34,598.47
1767*	Indirect Fire Range	FP	A range to fire cannon artillery, rockets, mortar, and other indirect weapon systems using high-explosive ammunition. Indirect fire means the crew cannot see the target either because of terrain or distance.	$0.00	$0.00
1768*	Scaled Indirect Fire Range	FP	A scaled range to teach firing skills to the entire indirect fire team.	$9,489.90	$62.63
1769*	Scaled Gunnery Range	FP	A range to zero fighting vehicle and tank weapons. The range is also used to train crews to manipulate turret and gun controls, fire the main gun while tracking a moving target, interact with other crew members, react to fire commands, identify targets, and to bring the main gun quickly on target. CCF is derived from Army data. SCF is based on a ratio from FAC 1761.	$40,228.30	$422.40

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1771*	Armor Vehicle Crew Training Range	FP	Ranges specifically designed to satisfy training requirements for infantry and armor crews and teams to include gunnery from moving vehicles. These ranges are used to teach mechanized infantry and armor crews the skills needed to defeat stationary and moving targets in a tactical array. CCF is derived from USACE data. SCF is derived from RS Means data.	$3,119,883.06	$38,954.75
1772*	Armor Vehicle Unit Training Range	FP	Range complexes consist of ranges to accommodate tank and fighting vehicle firing exercises and tactical maneuver training for tanks, mechanized infantry small units. These ranges are used to teach mechanized infantry and armor units the skills needed to defeat stationary and moving targets in a tactical array. CCF is derived from USACE data. SCF is derived from RS Means data.	$4,590,715.78	$62,573.82
1773*	Fire and Movement Range	FP	A range used to teach individual and buddy-team movement and maneuver techniques while engaging targets with the rifle. CCF is derived from USACE data. SCF is derived from RS Means data.	$109,688.18	$2,022.32
1774*	Squad Defense Range	FP	A range used to train personnel to employ mutually supporting fires from defensive positions against attacking troops. CCF is derived from USACE data. SCF is derived from RS Means data.	$178,946.74	$4,029.65
1775*	Infantry Battle Course	FP	A range used by an infantry unit to practice movement-to-contact operations and hasty attack operations. The unit may fire the rifle, machine gun, automatic weapon, and light anti-tank weapon with sub-caliber devices. CCF is derived from USACE data. SCF is derived from RS Means data.	$941,015.29	$15,949.28
1776*	Urban Combat Training Range	FP	A facility for individual and low-level collective training using live fire or simulators. Live-fire facilities are constructed using materials which capture fragmentation or spalling objects from live ammunition/munitions sometimes typified, but not limited to the use of rubber tires to prevent ricocheted ammunition. CCF is derived from USACE data. SCF is derived from RS Means data.	$381,703.52	$11,443.78
1781*	Live Hand Grenade Range	FP	A range to familiarize with the effects of live hand grenades. CCF is derived from USACE data. SCF is derived from RS Means data.	$19,213.78	$723.68
1782*	Engineer Qualification Range	FP	A range used to qualify engineer individuals and units on tasks such as sapper, mine warfare, light demolition, and engineer weapon firing. CCF is derived from USACE data. SCF is derived from RS Means data	$266,008.28	$10,028.51
1783*	Light Demolition and Flame Training Range	FP	A range to teach soldiers the techniques of firing flash weapons and flame-throwers at point and area targets, and employing improvised smoke and flame weapons and to train in the handling of explosives and pyrotechnics. CCF is derived from USACE data. SCF is derived from RS Means data.	$1,812,165.17	$8,646.59
1790	Miscellaneous Training Facility	EA	Various training facilities, other than buildings and ranges, that are not included in another Facility Analysis Category. CCF is derived from Army data. SCF is based on a ratio from FAC 7522.	$73,403.95	$1,886.48
1791	Aircraft Weapons Calibration Range	EA	Ranges used to bore sight, align, and zero all weapons systems on individual aircraft. Cost factors are based upon TC 25-8, fig. 6-27. CCF is derived from USACE data. SCF is derived using MicroPaver.	$30,000.24	$2,207.63
1792	Attack Helicopter Weapons Range	EA	Training ranges used for individual, crew, and unit helicopter gunnery exercises. It can handle the machinegun, grenade launcher, cannon, rocket, and antitank missile weapons systems. Cost factors are based upon TC 25-8, figure 6-36. CCF is derived from Army data. SCF is based on a ratio from FAC 1771.	$1,104,760.10	$13,809.50
1793	Aircraft Weapons Range	EA	Training ranges used by all services for the command, control, and attack of aircraft on ground targets. They include both close air support and aerial bombing activities.	$0.00	$0.00

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
1794*	Air Defense Range	FP	A training range for firing air defense weapons against targets in flight. Weapons can include either guns or missiles. CCF is derived from USACE data. SCF is derived from RS Means data.	$131,822.52	$6,945.64
1795	Fire And Rescue Training Facility	EA	A facility at which the various aspects of fire fighting and rescue can be trained and practiced. Cost factors are based upon the new FireFighter Training System (FFTS) that includes drainage system and retention pond. CCF is derived from USACE data. SCF is based on a ratio from FAC 7311.	$1,048,512.00	$21,704.20
1796	Urban Combat Training Area, Non-Fire	EA	Non-live fire training facilities used to train and sustain unit combat proficiency in an urban environment. Facilities may also be used by military and civil police forces for scenario-driven training in law enforcement and riot control operations. Cost factors are based upon a 16-building collective training facility, TC25-8, fig. 6-44. CCF is derived from USACE data. SCF is derived from RS Means data.	$2,002,268.83	$14,097.80
1797*	Hand Grenade Range, Non-Firing	EA	Ranges used for training soldiers in handling explosives and pyrotechnics, disposing explosive ordnance, firing flash weapons and flamethrowers at point and area targets, and employing improvised smoke and flame weapons. Cost factors are based upon standard design in TC25-8, fig. 6-22. CCF is derived from USACE data. SCF is based on a ratio from FAC 1761.	$3,486.10	$36.60
1798	Infiltration Course, Live Fire	EA	Infiltration courses are used for soldiers to practice maneuvering through various barbed wire and log obstacles while machine guns fire overhead. Cost factors are based upon the standard design in TC25-8, fig. 6-23. CCF is derived from USACE data. SCF is based on a ratio from FAC 1758.	$76,924.13	$515.39
1799	Confidence/Obstacle Course	EA	A facility at which individual service members and small teams can confront and overcome various obstacles in order to enhance physical fitness, confidence, and unit esprit. Cost factors are based upon standard designs in MIL-HDBK-1027/3B, figs. 10 & 11. CCF is derived from Army data. SCF is based on a ratio from FAC 1761.	$37,519.91	$393.96
2111	Aircraft Maintenance Hangar	SF	A facility providing space for aircraft maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 27,419 SF.	$191.47	$1.94
2112	Aircraft Maintenance Shop	SF	A facility designed to house aircraft and aircraft component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,664 SF.	$147.95	$1.93
2113	Aircraft Corrosion Control Hangar	SF	A facility designed to contain an aircraft during corrosion control operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,678 SF.	$240.10	$1.98
2114	Aircraft Engine Test Building	SF	A facility designed to test aircraft engines. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,710 SF.	$141.70	$3.02
2115	Aircraft Maintenance Hangar, Depot	SF	A facility designed to provide space for aircraft depot-level maintenance, repair, and inspection activities that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 71,067 SF.	$191.47	$1.57
2116	Aircraft Maintenance Shop, Depot	SF	A facility designed to house aircraft and aircraft component depot-level maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,140 SF.	$147.95	$2.30
2118	Aircraft Engine Test Facility	EA	A facility, other than a building, designed to test aircraft engines. Cost factors are based upon an average size of 13,000 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2114.	$1,842,048.00	$20,264.20

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
2121	Missile Maintenance/Assembly Building	SF	A facility in which guided missiles are assembled and/or maintained. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 10,718 SF.	$241.08	$2.59
2123	Missile/Launcher Maintenance Support Facility	SF	A facility that supports guided missile and launch equipment maintenance. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8646 SF.	$155.52	$2.51
2124	Missile Test Tower	EA	A facility for testing guided missiles. Cost factors are based upon a 250' high tower. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$186,063.15	$3,595.45
2125	Missile Maintenance/Assembly Building, Depot	SF	A facility in which guided missiles are assembled and/or maintained at the depot level. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 20,337 SF.	$241.08	$2.21
2131	Ship Maintenance Dry-dock	SF	A facility into which a ship can be floated and the water removed, to allow for maintenance and repair of areas usually underwater. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	$542.37	$15.78
2132	Marine Railway	EA	A facility consisting of rollers on which a ship may be hauled out of the water along an inclined track. Cost factors are based upon a 100' long track, with rails 78.5" wide. Does not include the cost of the sled upon which the vessel is carried. CCF is derived from USACE data. SCF is based on a ratio from FAC 8601.	$9,374.11	$106.86
2133	Marine Maintenance Shop	SF	A facility designed to house ship component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,167 SF.	$114.14	$1.74
2134	Marine Maintenance Support Facility	SF	A facility designed to support ship component maintenance, repair, and inspection activities. CCF is derived from USACE and TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,670 SF.	$97.24	$2.18
2135	Landing Craft Wash Facility	EA	A washing facility for marine landing craft. Cost factors are based upon a facility with 16 stations and wash water recycling. CCF is derived from USACE data. SCF is based on a ratio from FAC 2141.	$6,543,216.24	$128,901.36
2136	Nuclear Repair Shop	SF	A facility for the maintenance and repair of nuclear/radioactive items. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,455 SF.	$157.44	$2.36
2137	Fixed Crane Structure	EA	A facility with a movable boom to hoist heavy objects for ship repair and maintenance activities. CCF is derived from data from all the Services. SCF is derived using Navy data.	$3,895,504.83	$78,310.00
2141	Vehicle Maintenance Shop	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,500 SF.	$145.05	$2.86
2142	Vehicle Maintenance Shop, Depot	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 22,831 SF.	$145.05	$1.92
2143	Vehicle Maintenance Shop, National Guard	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of National Guard units. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,898 SF.	$141.70	$3.47
2144	Vehicle Maintenance Shop, Reserve	SF	A facility designed to house land vehicle and vehicle component maintenance, repair, and inspection activities of Reserve units. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,161 SF.	$141.70	$3.39

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
2145	Vehicle Maintenance Facility	EA	A facility, other than a building, designed to support land vehicle and vehicle component maintenance, repair, and inspection activities. Cost factors based on an average-sized grease/wash rack of 1,626 SF. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,626 SF.	$63,643.75	$1,390.60
2146	Launch Vehicle Test Facility	EA	A facility, other than a building, designed to support missile launch vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from Air Force data. SCF is based on a ratio from FAC 2123.	$48,915.90	$787.55
2151	Weapon Maintenance Shop	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,315 SF.	$114.14	$2.43
2152	Weapon Maintenance Shop, Depot	SF	A facility designed to house weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,846 SF.	$125.40	$2.22
2153	Special Weapon Maintenance Shop	SF	A facility designed to house special weapon and weapon component maintenance, repair, and inspection activities. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,834 SF.	$192.27	$2.41
2154	Weapon Maintenance Facility, Depot	SF	A facility, other than a building, designed to support weapon and weapon component maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE and AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,908 SF.	$125.40	$3.15
2161	Ammunition Maintenance Shop	SF	A facility designed to house ammunition maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,792 SF.	$129.89	$2.72
2162	Ammunition Maintenance Shop, Depot	SF	A facility designed to house ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,212 SF.	$129.89	$3.02
2163	Ammunition Maintenance Facility, Depot	SF	A facility, other than a building, designed to support ammunition maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,679 SF.	$129.89	$3.83
2171	Electronic and Communication Maintenance Shop	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,721 SF.	$142.68	$2.49
2172	Electronic and Communication Maintenance Shop, Depot	SF	A facility designed to house electronic and communication equipment maintenance, repair, and inspection activities at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,018 SF.	$142.68	$1.90
2173	Electronic and Communication Maintenance Facility	EA	A facility, other than a building, designed to support electronic and communication equipment maintenance, repair, and inspection activities. Cost factors based on an average size of 5,500 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2171.	$784,740.00	$13,732.95
2181	Installation Support Vehicle Maintenance Shop	SF	A facility designed to house installation support vehicle and vehicle component maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,575 SF.	$140.22	$2.88
2182	Installation Support Equipment Maintenance Shop	SF	A facility designed to house installation support equipment maintenance, repair, and inspection activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,202 SF.	$110.24	$2.43

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
2191	Facility Engineer Maintenance Shop	SF	A facility designed to house installation engineer support vehicle and equipment maintenance, repair, and inspection activities. CCF is derived from Triservice data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,031 SF.	$110.24	$3.35
2192	Facility Engineer Maintenance Facility	EA	A facility, other than a building, designed to support installation engineer support vehicle and equipment maintenance, repair, and inspection activities. Cost factors based on a standard planning size of 31,000 SF. CCF is derived from USACE data. SCF is based on a ratio from FAC 2112.	$564,377.58	$7,336.91
2211	Aircraft Production Plant	SF	A facility for the production, quality assurance, and calibration of aircraft and aircraft components. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 106,271 SF.	$148.47	$1.71
2221	Missile Production Plant	SF	A facility for the production, quality assurance, and calibration of missiles and missile components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,320 SF.	$165.50	$2.49
2231	Ship Production Plant	SF	A facility for the production, quality assurance, and calibration of ships and ship components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,381 SF.	$96.70	$2.34
2232	Ship Building Way	TN	An area for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	$1,012.86	$29.47
2233	Ship Building Dry-dock	SF	A structure for the manufacture and assembly of a ship. CCF is derived from Navy data. SCF is based on a ratio from FAC 1511.	$542.37	$15.78
2241	Tank/Automotive Production Plant	SF	A facility for the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 71,355 SF.	$86.25	$2.04
2242	Tank/Automotive Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of tanks, vehicles, and their components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.	$86.25	$2.04
2251	Weapon Production Plant	SF	A facility for the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 67,274 SF.	$86.25	$2.01
2252	Weapon Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of weapons and weapon components. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS.	$86.25	$2.01
2261	Ammunition Production Plant	SF	A facility for the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,285 SF.	$146.62	$3.47
2262	Ammunition Production Facility	SF	A facility, other than a building, that supports the production, quality assurance, and calibration of ammunition and ammunition components. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,541 SF.	$146.62	$2.58
2263	Powder - Tank Storage	BL	A tank for the storage of ammunition powder or flakes. CCF is derived from Marshall & Swift data. SCF is based on ratios from FACs 4111; 4121 & 4426.	$2.01	$0.10
2264	Ammunition Demilitarization Plant	SF	A facility for the demilitarization of ammunition to a harmless condition.	$861.98	$8.58
2265	Ammunition Demilitarization Facility	EA	A facility, other than a building, that supports the demilitarization of ammunition to a harmless condition. CCF is derived from USACE data. SCF is based on a ratio from FAC 2264.	$2,673,874.37	$26,738.74

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
2271	**Electronic and Communication Production Plant**	SF	A facility for the production, quality assurance, and calibration of electronic and communication equipment and components. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 50,759 SF.	$139.76	$2.06
2281	**Miscellaneous Support Production Plant**	SF	A facility for the production of miscellaneous items that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,620 SF.	$152.52	$3.31
2291	**Construction Material Production Plant**	EA	A facility for the production of construction materials for the installation. Cost factors are based upon a 250-TN/Hr commercial production plant. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 2261.	$1,378,839.00	$32,678.48
3101	**RDT&E Laboratory**	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,136 SF.	$187.94	$2.57
3102	**Medical Research Laboratory**	SF	Buildings used directly in theoretical or applied research, development, testing, and evaluation activities for medical research. CCF is derived from Army data. SCF is derived using the Whitestone MARS.	$249.75	$3.96
3111	**Aircraft RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of airframes and other related assemblies, spares, and aircraft equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,455 SF.	$187.94	$2.27
3121	**Missile and Space RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of missiles, missile systems, related ground handling and launching equipment, and other aerospace equipment. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,200 SF.	$250.92	$2.96
3131	**Ship and Marine RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of ships and marine equipment, and amphibious vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 25,350 SF.	$129.46	$2.42
3141	**Tank and Automotive RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of tank and other automotive equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,142 SF.	$143.66	$2.53
3151	**Weapons RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of weapons and weapon systems. Does not include missile-related research under Facility Analysis Category 3121. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,276 SF.	$250.92	$2.93
3161	**Ammunition, Explosive, and Toxic RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of ammunition, explosives, and toxic materials. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,411 SF.	$187.94	$3.78
3171	**Electronic and Communication RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of electronic and communication equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,384 SF.	$187.94	$2.55
3181	**Propulsion RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of propulsion hardware and propellant fuels. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,024 SF.	$187.94	$2.85
3191	**Miscellaneous Item and Equipment RDT&E Facility**	SF	Buildings used in the direct research, development, testing, and evaluation of miscellaneous items of equipment, such as clothing, survival equipment, and military engineering equipment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,072 SF.	$143.66	$3.12

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
3201	Underwater Equipment RDT&E Facility	SF	Buildings used in the direct research, development, testing, and evaluation of underwater equipment. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,795 SF.	$173.97	$2.95
3211	RDT&E Technical Service Facility	SF	Buildings used in the manufacturing of models, prototypes, and other items used in direct research, development, testing, and evaluation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,184 SF.	$124.97	$2.47
3711	RDT&E Range Building	SF	A building on a firing range used for direct research, development, testing, and evaluation activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,868 SF.	$107.26	$2.15
3712	RDT&E Range Facility	EA	A firing range facility used for direct research, development, testing, and evaluation activities. Cost factors are based upon an average-size facility of 1,868 SF. D241	$200,354.21	$4,016.20
3713	RDT&E Range Complex	EA	A firing range complex used for direct research, development, testing, and evaluation activities. CCF is derived from Air Force data. SCF is derived from Air Force data.	$542,369.71	$14,838.76
3901	Miscellaneous RDT&E Facility	EA	Scientific structures and facilities, other than buildings, used for direct research, development, testing, and evaluation activities that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived using the Whitestone MARS data from FAC 3711.	$200,354.21	$4,016.20
3902	RDT&E Area	AC	An open area used for direct research, development, testing, and evaluation activities.	$0.00	$0.00
3903	Aerodynamic wind tunnel	EA	A facility for testing materials and aircraft models in a supersonic or transonic environment. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,102 SF. CCF is derived from Air Force data. SCF is based on a ratio from FAC 3121.	$513,125,192	$5,959,525.86
3904	Propulsion engine test cell	EA	A facility for testing components of solid rocket motors or liquid fuel engines under operational conditions. CCF is derived from Air Force data. SCF is based on a ratio from FAC 3181.	$39,339,364.55	$597,958.34
4111	Bulk Liquid Fuel Storage	BL	A facility for the storage of bulk liquid fuels. CCF is derived from USACE data. SCF is derived from RS Means data.	$53.05	$3.23
4121	Bulk Liquid Storage, Other Than Fuel	GA	A facility for the storage of bulk liquids, other than fuels. CCF is derived from USACE data. SCF is derived from RS Means data.	$1.76	$0.08
4122	Liquid Oxygen Storage	SF	A facility for the storage of liquid oxygen. CCF is derived from Air Force data. SCF is based on a ratio from FAC 4422.	$95.62	$1.03
4211	Ammunition Storage, Depot and Arsenal	SF	A facility for the storage of ammunition at depots and arsenals. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,657 SF.	$203.07	$1.79
4221	Ammunition Storage, Installation	SF	A facility for storing ammunition for use by units and activities located at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,083 SF.	$203.07	$2.20
4231	Liquid Propellant Storage, Ammunition Related	GA	A facility for the bulk storage of ammunition related propellants. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	$1.26	$0.08
4241	Battery Storage, Weapon Related	SF	A facility for the storage of ammunition-related batteries. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,488 SF.	$154.72	$4.60
4251	Open Ammunition Storage	SY	Open areas used for the storage of ammunition. CCF is derived from USACE data. SCF is derived using the RS Means data.	$44.28	$1.04
4311	Cold Storage, Depot	SF	A facility for cooling and storage of materials at the depot level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,266 SF.	$154.72	$2.52

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
4321	Cold Storage, Installation	SF	A facility for cooling and storage of materials to be used at the installation level. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,608 SF.	$154.72	$3.13
4411	Covered Storage Building, Depot	SF	A facility for depot-level storage of materials that require protection from the elements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,662 SF.	$79.29	$1.71
4412	Covered Storage Shed, Depot	SF	A facility for depot-level storage of materials that require overhead protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,968 SF.	$30.50	$0.95
4413	Hazardous Materials Storage, Depot	SF	A facility for the storage of hazardous materials at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,353 SF.	$119.06	$3.18
4414	Controlled Humidity Storage, Depot	SF	A facility for storage of materials at a controlled humidity at the depot level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 38,932 SF.	$70.85	$1.77
4421	Covered Storage Building, Installation	SF	A facility for storage of materials that require protection from the elements, to be used by units and activities at the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,038 SF.	$69.62	$1.84
4422	Covered Storage Shed, Installation	SF	A facility for storage of materials that require overhead protection from the elements, to be used by units and activities at the installation. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,221 SF.	$30.50	$1.03
4423	Hazardous Materials Storage, Installation	SF	A facility for the storage of hazardous materials at the installation level. D266	$119.06	$4.88
4424	Controlled Humidity Storage, Installation	SF	A facility for storage of materials at a controlled humidity to be used at the installation level. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,127 SF.	$70.85	$1.75
4425	Vehicle Storage, Covered	SF	A facility for the long-term storage of vehicles that require protection from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,482 SF.	$60.02	$0.77
4426	Storage Silo, Loose Material	SF	A facility for storage of loose material such as sand or road salt. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 4412.	$22.59	$0.95
4427	Small Arms Storage, Installation	SF	A central arms storage facility to be used to store small arms from several units or activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,501 SF.	$203.07	$3.06
4511	Open Storage, Depot	SY	An open storage area to be used for depot-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.	$44.28	$0.16
4521	Open Storage, Installation	SY	An open storage area to be used for installation-level storage. Usually a paved surface. CCF is derived from USACE data. SCF is based on a ratio from FAC 8522.	$44.28	$0.16
5100	Medical Center/Hospital	SF	A facility that provides general and specialized medical care for authorized personnel, with both inpatient and outpatient services. Pharmacy, clinic, ambulance, and administrative space within the hospital are included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on a size of 367,838 SF.	$236.92	$5.09
5302	Medical Laboratory	SF	A facility, detached from a hospital, that provides laboratory support to the hospital and/or other medical activities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	$187.94	$4.98

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
5303	Morgue	SF	A facility, either detached or within a hospital, for the identification, preparation, and holding of human remains. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,712 SF.	$192.43	$5.61
5304	Veterinary Facility	SF	A facility for administrative and operational functions of veterinary activities assigned to the installation. These can include animal medical care, control of communicable animal diseases, animal boarding, and food inspection. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	$192.43	$2.91
5306	Medical Warehouse	SF	A storage facility for medical equipment and supplies that are continuously withdrawn and replenished. Storage of war reserve medical supplies is included in depot storage facilities. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	$72.82	$1.55
5307	Ambulance Shelter	SF	A detached facility to protect ambulances from the elements. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	$63.96	$0.75
5400	Dental Facility	SF	A facility that provides routine and specialized dental treatment to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	$201.14	$3.82
5500	Dispensary And Clinic	SF	A detached facility that provides routine and emergency care to authorized personnel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS.	$187.60	$3.43
6100	General Administrative Building	SF	A building containing general office space as well as space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,640 SF.	$135.38	$2.39
6101	Small Unit Headquarters Building	SF	A building that contains the command and staff sections of a company or battery headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,627 SF.	$143.12	$3.42
6102	Large Unit Headquarters Building	SF	A building that contains the command and staff sections of a battalion, squadron, regiment, group, or brigade headquarters or the headquarters of a military organization of similar size. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,602 SF.	$147.95	$3.84
6103	Printing And Reproduction Plant	SF	A facility designed to provide installation document printing and reproduction support. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,158 SF.	$83.17	$3.06
6104	Automated Data Processing Center	SF	A building or part of a building that contains the equipment and functions of automated data processing. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,044 SF.	$178.90	$2.80
6200	Administrative Structure, Underground	SF	An underground facility containing general office space as well as that space typically associated with office space. Associated space may include conference rooms, small storage rooms, restrooms, break/lunch rooms, locker/shower rooms, and utility rooms. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,900 SF.	$174.17	$2.35
6900	Administrative Structure, Other Than Buildings	EA	Miscellaneous administrative structures such as flagpoles, billboards, reviewing stands, and information stands. CCF is derived from RS Means data. SCF is based on a ratio from FAC 6100.	$5,741.36	$129.18

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7110	Family Housing Dwelling	SF	A dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,425 SF, which represents a 2-family duplex.	$69.14	$1.74
7120	Family Housing Trailer/Relocatable	FA	A trailer or relocatable dwelling unit for a service member or for an authorized government civilian and his/her authorized dependents when accompanied by those dependents. CCF is derived from RS Means data. SCF is based on a ratio from FAC 7110.	$39,487.83	$347.49
7130	Family Housing Trailer Site	FA	Pads or sites with associated utilities provided for privately or government owned trailers and mobile homes. CCF is derived from USACE data. SCF is derived from RS Means data.	$3,985.20	$104.00
7141	Family Housing Garage/Carport	SF	Detached facilities for the storage of personal vehicles for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 736 SF.	$31.60	$0.77
7142	Family Housing Storage Facility	SF	Detached facilities for the storage of personal items for personnel occupying family housing. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 231 SF.	$35.42	$0.58
7143	Miscellaneous Family Housing Support Facility	SF	Those family housing support facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 897 SF.	$135.38	$2.18
7145	Trailer Court Support Facility	SF	A facility that supports family housing trailer operations. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 150 SF.	$89.90	$1.44
7146	Family Housing Attendant Facility	SF	A facility that houses and supports family housing attendants. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,334 SF.	$72.38	$4.25
7210	Enlisted Unaccompanied Personnel Housing	SF	A facility designed to provide permanent housing for unaccompanied enlisted personnel and civilian equivalents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,157 SF.	$145.05	$3.88
7212	Enlisted Unaccompanied Personnel Housing, Transient	SF	A facility that provides lodging to meet short term housing requirements for unaccompanied enlisted personnel and civilian employees on temporary duty or traveling on official business. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,403 SF.	$145.05	$4.24
7213	Student Barracks	SF	Transient unaccompanied personnel housing for students. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 21,947 SF.	$145.05	$3.62
7214	Annual Training/Mobilization Barracks	SF	A facility that houses unaccompanied personnel during reserve component annual training or during mobilizations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,407 SF.	$131.86	$2.43
7218	Recruit/Trainee Barracks	SF	A facility for housing recruits and/or trainees. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 40,000 SF.	$131.86	$4.99
7220	Dining Facility	SF	A facility, with cafeteria style dining operations, for unaccompanied personnel and other authorized persons. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,130 SF.	$231.11	$5.12
7231	Miscellaneous UPH Support Building	SF	Buildings associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. CCF is derived from USACE and RS Means data. SCF is derived using the Whitestone MARS.	$73.95	$1.41

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7232	Unaccompanied Personnel Housing Garage/Carport	SF	Detached facilities to store and protect the private vehicles of unaccompanied personnel. CCF is derived from USACE data. SCF is derived using the Whitestone MARS.	$31.60	$0.77
7233	Dining Support Facility	SF	A separate facility that provides support to dining facility operations. CCF is derived from Air Force and Navy data. SCF is derived using the Whitestone MARS data for FAC 7220.	$175.97	$5.12
7234	Latrine/Shower Facility	SF	A detached facility to provide latrine and/or shower support to unaccompanied personnel housing. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 504 SF.	$144.32	$3.50
7235	Miscellaneous UPH Support Facility	EA	A facility, other than a building, associated with unaccompanied personnel housing activities that are not included in another Facility Analysis Category. Cost factors are based upon a facility 66.7 SY in area with associated piping. CCF is derived from USACE and RS Means data. SCF is derived MicroPaver.	$3,436.93	$52.88
7240	Officer Unaccompanied Personnel Housing	SF	A facility that provides permanent lodging for unaccompanied officers, warrant officers, and authorized civilian employees. D310	$145.05	$5.29
7241	Officer UPH, Transient	SF	A facility that provides short-term, temporary lodging for unaccompanied officers, warrant officers, and authorized civilian employees. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 13,663 SF.	$136.35	$4.66
7250	Emergency Unaccompanied Personnel Housing	SF	A facility such as hutments and tent pads, that can be used for emergency housing during training, mobilization, deployments, and natural disasters. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,376 SF.	$29.88	$1.43
7251*	EUPH Tent Pad	SF	Tent pads, which can be used for erecting tents for emergency housing during training, mobilization, deployments, and natural disasters. Cost factors are based on the area of a GP Medium tent. CCF is derived from USACE data. SCF is derived from RS Means data.	$4.55	$0.12
7311	Fire Station Facility	SF	A building containing the personnel and equipment that provides fire and rescue support to the installation. Equipment located in these facilities is not real property and is not included in this Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,278 SF.	$154.72	$3.20
7312	Prison/Confinement Facility	SF	A facility to house and secure service members during pre-trial confinement, post-trial confinement, and for the duration of sentences. Although not normally housed in the same facility, prisoners can include officers, enlisted personnel, and prisoners of war. Functional space includes sleeping space, administrative areas, dining areas, recreational and educational areas, vocational areas, and health clinics. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,131 SF.	$203.64	$5.40
7313	Police Station	SF	A facility designed to be the law enforcement center on the installation. Includes space for the police reception desk, working space for police personnel, confinement space for prisoners, and an arms room. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,857 SF.	$142.68	$4.81
7314	Drug and Alcohol Abuse Center	SF	A facility for counseling personnel suffering from drug or alcohol abuse. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,812 SF.	$142.68	$3.41
7321	Bread/Pastry Kitchen	SF	A centralized food service facility that provides fresh breads and pastries to the installation. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 14,187 SF.	$195.46	$3.38

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7322	Ice/Dairy Products Plant	SF	A central plant that produces or processes ice or milk products for the installation. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,997 SF.	$116.04	$5.35
7323	Greenhouse	SF	A facility with glass walls and roof in which temperature and humidity can be regulated for the growing and protection of plants. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,165 SF.	$38.68	$0.74
7331	Exchange Eating Facility	SF	A facility that provides either self-service or counter service. These facilities are operated by/for the exchange system and include fast-food concessions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,019 SF.	$161.38	$5.86
7332	Non-Exchange Eating Facility	SF	Eating facilities not managed by the exchange system that provide food and beverages, served to personnel by operators who are not associated with the exchange. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,296 SF.	$231.11	$4.68
7333	Open Mess and Club Facility	SF	Open dining facilities include officer, noncommissioned officer, enlisted and civilian clubs, that provide dining, social programs and entertainment services for the membership. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,349 SF.	$195.82	$5.39
7340	Thrift Shop	SF	Thrift shops are nonprofit facilities for the sale and purchase of used goods and handmade items. Volunteer family members normally operate these facilities on a consignment basis. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,017 SF.	$105.29	$3.11
7341	Bus Station	SF	A facility for personnel to purchase tickets and await bus service. This does not include a simple enclosed bus stop that is under Facility Analysis Category 7384. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,000 SF.	$94.96	$2.68
7342	Laundry/Dry Cleaning Facility	SF	Laundry and dry cleaning facilities provide large-scale laundry and/or dry cleaning operations at most installations or are used at installations for washing protective gear and operators clothing for industrial operations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,487 SF.	$158.42	$3.74
7343	Clothing Sales Store	SF	A facility for the sales of military clothing and personal equipment. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.	$105.40	$2.69
7344	Postal Facility	SF	A facility that houses United States Postal Service operations. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,485 SF.	$97.31	$3.28
7345	Exchange Automobile Facility	SF	A facility that provides space for gasoline dispensing islands, minor automotive repair, and vehicle washing at facilities operated by the exchange system. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,320 SF.	$97.36	$2.89
7346	Exchange Sales Facility	SF	A facility that provide space for stock area, sales area, office space, toilets and entrance facilities for the exchange and other related activities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,508 SF.	$105.40	$3.00
7347	Bank and Credit Union	SF	A facility that provides the following essential services: checking and savings accounts, loans, foreign currency sales, etc. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,300 SF.	$127.92	$3.28
7348	Car Wash Facility	SF	A facility for the washing of privately owned vehicles. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS data for FAC 7345.	$190.49	$2.89

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7349	Commissary	SF	A facility for the retail sale of supermarket products to authorized customers. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 42,000 SF.	$131.51	$2.24
7351	Education Center	SF	A facility that provides space for classrooms, administrative offices, a learning center, educational counseling and testing facilities for the on- and off-duty education of authorized patrons. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,585 SF.	$154.72	$2.95
7352	Dependent School	SF	Dependent schools provide educational facilities on military installations for kindergarten through grade 12. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 19,854 SF.	$138.60	$3.68
7353	Dependent School Support Facility	SF	A facility that supports dependent school functions. CCF is derived from TriService and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,824 SF.	$141.50	$4.09
7361	Chapel Facility	SF	A facility that provides space for religious services in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,815 SF.	$165.36	$2.80
7362	Religious Education Facility	SF	A facility that provides space for religious education, activities, family counseling, and community based activities in support of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,823 SF.	$154.72	$3.54
7371	Nursery and Child Care Facility	SF	A facility for the care and education of infants thru pre-school age children and for school aged children less than 12 years of age before and after normal public school hours. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 8,367 SF.	$160.52	$2.56
7372	Family Service Center	SF	A facility to provide a responsive source of information, guidance, and assistance in solving problems of a personal nature to military personnel and their dependents. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,983 SF.	$147.95	$3.35
7380	Homeless Support Facility	SF	A facility that is being provided for housing homeless persons or to assist agencies that provide support to the homeless.	$0.00	$0.00
7381	Forestry Guard Station	SF	A facility for observation of a forested area in order to protect against fires. Station includes observation tower and housing for the forester and family. CCF is derived from USACE data. SCF is derived using the Whitestone MARS from FAC 7142.	$188.93	$0.58
7382	Locker Room	SF	A facility that provides locker space for the belongings of military personnel who must vacate their quarters for extended periods. CCF is derived from FCPA data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,513 SF.	$144.32	$2.50
7383	Air Raid/Fallout Shelter	SF	An enclosed, reinforced facility, generally within or beneath an existing building, that provides protection against air attack and/or nuclear fallout. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,013 SF.	$174.17	$3.97
7384	Miscellaneous Personnel Shelter	SF	A facility to protect personnel from the elements, such as bus stops or smoking shelters. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data for FAC 7142.	$44.15	$0.58
7385	Public Restroom/Shower	SF	A public toilet and/or shower facility. CCF is derived from AFCESA data. SCF is derived using the Whitestone MARS based on the DoD average size of 674 SF.	$158.42	$2.78

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7386	**Ceremonial Hall**	SF	A facility for the indoor conduct of ceremonies during inclement weather. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 15,326 SF.	$79.29	$1.95
7387	**Exchange Support Facility**	SF	Administrative or maintenance facilities that support exchange operations. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,893 SF.	$105.29	$2.92
7388	**Exchange Warehouse**	SF	Storage facilities that support exchange operations. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 17,666 SF.	$74.46	$1.88
7389	**Private Vehicle Inspection Facility**	SF	A facility for the official inspection of privately-owned vehicles for safety and proper maintenance. These facilities are usually located outside of the US and are intended to comply with host nation regulations and/or Status of Forces Agreements. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 2,075 SF.	$69.62	$1.49
7411	**Hobby And Craft Center**	SF	A facility that provide space for administration, drawing and art studio, storage, photo dark room, audio/photo sales area, separate areas for individual crafts and arts, and kiln area for ceramics. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 6,068 SF.	$147.95	$3.47
7412	**Automobile Craft Center**	SF	A facility that provide space for auto bays, administration, classroom, tool storage and checkout, break area and lavatories. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 5,713 SF.	$114.14	$2.00
7413	**Golf Club House and Sales**	SF	A facility designed to support golf courses on the installation. Space may include equipment storage and maintenance areas, locker rooms, clothing and equipment sales area, and an area for sales of food and beverages. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,602 SF.	$131.86	$4.00
7414	**Club and Organization Building**	SF	A facility for use by active duty military personnel, authorized civilians, and their family members for private organization/club meetings and activities that are not affiliated with the US government. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,362 SF.	$220.48	$3.85
7415	**Bowling Center**	SF	A facility that include space for bowling lanes, equipment and storage space, amusement machine area, pro shop, food and beverage preparation area, serving and seating area, administrative space, concourse, seating for bowlers and observers, lockers, and restrooms. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,071 SF.	$155.69	$3.40
7416	**Library, General Use**	SF	A facility with bookshelf space, administrative offices, restrooms, reading area, and music appreciation area for the general use of the installation population. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 7,963 SF.	$154.72	$3.43
7417	**Recreation Center**	SF	A facility provided for the recreation and entertainment of the personnel on an installation and their guests to include space for an administrative area, recreation area, toilet and personnel area, food service and sales area, and equipment check-out. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 4,339 SF.	$147.95	$3.80
7418	**Indoor Skating Rink**	SF	An indoor facility designed for year round ice- and/or roller-skating. CCF is derived from RS Means data. SCF is derived using the Whitestone MARS based on the DoD average size of 16,694 SF.	$116.65	$1.91

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7421	**Indoor Physical Fitness Facility**	SF	Fitness facilities may include a gymnasium, athletic courts, work out areas, weight rooms, showers, locker rooms, indoor hand ball courts, administrative space, and storage space. Indoor swimming pools are not included, but are captured under FAC 7422. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,714 SF.	$155.69	$3.29
7422	**Indoor Swimming Pool**	SF	An enclosed swimming pool designed for year-round use. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,555 SF.	$156.46	$3.45
7431	**Auditorium and Theater Facility**	SF	Auditoriums and theaters provide space for administrative areas, seating and viewing, film projection and storage, live performances, concession stand, toilets, lobby and ticket sales. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 9,275 SF.	$130.87	$2.08
7441*	**Transient Lodging**	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests in connection with official travel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS data from FAC 7442.	$136.38	$4.87
7442*	**Recreational Lodging**	SF	A facility for the short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 3,053 SF.	$136.38	$2.75
7443	**Transient And Recreational Lodging Support Facility**	SF	A facility for the support of short term lodging of military members, family members, authorized civilian employees and guests while they use recreational facilities or in connection with official travel. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 929 SF.	$110.77	$1.17
7444	**Stable**	SF	A facility for the boarding of horses, both privately owned and those available for rental. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS data from FAC 4425.	$37.83	$0.77
7445*	**Boathouse**	SF	A facility for the storage and maintenance of small boats and canoes. CCF is derived from Marshall & Swift data. SCF is derived using the Whitestone MARS data from FAC 4425.	$23.98	$0.77
7446*	**Miscellaneous MWR Facility**	SF	Those indoor morale, recreation, and welfare facilities that are not included in another Facility Analysis Category. CCF is derived from TriService data. SCF is derived using the Whitestone MARS based on the DoD average size of 12,815 SF.	$106.03	$2.58
7447*	**Miscellaneous MWR Support**	SF	Those indoor facilities that support morale, recreation, and welfare activities that are not included in another Facility Analysis Category. CCF is derived from USACE and Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,377 SF.	$71.13	$3.32
7511	**Playground**	EA	Playgrounds are outdoor areas set aside for recreation near family housing, schools, recreational areas, or child support service centers. They provide for the outdoor recreational needs of children. Cost factors are based upon an average size of 6,000 SF. CCF is derived from USACE data. SCF is derived using FCPA data.	$177,120.00	$3,013.82
7512	**Outdoor Swimming Pool**	EA	Outdoor swimming pools are intended for the recreational use of installation personnel and for water training. Cost factors are based upon a 50-meter pool with change house. CCF is derived from USACE data. SCF is based on a ratio from multiple applicable FACs.	$1,355,952.00	$11,932.38
7513	**Golf Course**	EA	Golf courses are grassy, turfed tracts of land with tees, fairways, hazards and greens for the purpose of playing golf. Cost factors are based upon an 18-hole golf course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	$3,226,275.59	$82,915.28
7514	**Golf Driving Range**	EA	A facility for practicing driving golf balls. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	$575,570.31	$9,660.06

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
7515	Golf Pitch and Putt Course	EA	A smaller version of a regulation golf course, where the distance from tee to hole is normally less than 200 yards. Cost factors are based upon a 9 hole, Par 3, Pitch & Putt course. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7522.	$1,613,137.74	$41,577.99
7516	Outdoor Recreation Area	EA	An area for outdoor recreational and/or mealtime activities. The area may include picnic tables, barbecue grills, and space for recreational activities. Cost factors are based upon an area consisting of 6 picnic tables, 3 grills. CCF is derived from FCPA data. SCF is derived from FCPA data.	$12,903.27	$802.70
7517	Recreational Pier	EA	A platform constructed along or over a body of water, from which wildlife can be observed, recreational boats can be tied or launched, or fishing can take place. Cost factors are based upon medium construction of a small jetty equivalent structure, less than 120 SF. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 7512.	$3,943.96	$34.71
7518	Marina	EA	A facility for berthing pleasure craft. Cost factors are based upon an average size of 150 -200 slips. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 7512.	$944,312.25	$8,309.95
7521	Outdoor Playing Court	EA	Court areas are outdoor athletic and recreational courts consisting of prepared surfaces marked for tennis, basketball, volleyball, and badminton. CCF is derived from Marshall & Swift data. SCF is derived from FCPA data.	$34,703.17	$1,465.26
7522	Athletic Field	EA	Baseball, softball, and multipurpose fields for such sports as football and soccer. CCF is derived from USACE data. SCF is derived from FCPA data.	$183,309.36	$4,709.67
7523	Running Track	EA	Running tracks are prepared surfaces, usually oval in shape, for field and track events. The track often surrounds a football/soccer field. Cost factors based on an oval track, 1/2 mile in length, 12' wide. CCF is derived from USACE and FCPA data. SCF is derived from FCPA data.	$119,226.22	$2,709.94
7524	Stadium	EA	A sports arena, usually oval or horseshoe-shaped, with tiers of seats for spectators. Interior sports area usually contains a field for football, soccer, baseball, softball, or track and field events. CCF is derived from FCPA data. SCF is derived from FCPA data.	$2,713,162.47	$48,414.91
7531	Pavilion	SF	A facility that supports outdoor recreation areas such as parks, playgrounds, picnic areas, bleachers, etc. by providing an overhead cover to protect personnel and equipment from the elements. CCF is derived from FCPA data. SCF is based on a ratio from FAC 7141.	$56.93	$0.77
7532	Outdoor Theater	EA	An outdoor facility to accommodate cultural events such as plays, concerts, and festivals. CCF is derived from RS Means data. SCF is derived from Whitestone data.	$399,001.09	$7,308.00
7541	Recreational Camp and Trailer Park	EA	Trailer parking sites/pads or tent pads, with associated site facilities, for recreational trailers, vehicles, or tents. Cost factors are based upon an area providing 100 camping sites. CCF is derived from the National Association of RV Parks and Campgrounds data. SCF is based on a ratio from FAC 7532.	$231,162.68	$4,230.28
7542	Miscellaneous Outdoor Recreation Facility	EA	Outdoor recreational facilities not included in another Facility Analysis Category. CCF is derived from FCPA and RS Means data. SCF is based on a ratio of mulitple FACs.	$66,721.51	$1,371.44
7543	Wildlife Management Area	AC	An area set aside to provide for wildlife habitat and limited sporting activities.	$0.00	$0.00
7601	Museum	SF	A facility for preserving history and tradition, through education oriented exhibits and programs. CCF is derived from Air Force data. SCF is derived using the Whitestone MARS based on the DoD average size of 11,821 SF.	$166.03	$3.23
7602	Monument and Memorial	EA	Items such as commemorative plaques, military equipment displays, statues, and the like. CCF is derived from data provided by all the Services. SCF is based on a ratio from FAC 8721.	$4,396.59	$60.67
7603	Cemetery	EA	Those areas set aside, on a government-owned installation, for burial of the dead.	$0.00	$0.00
8111	Electrical Power Source	KW	A plant for the generation of electrical power. CCF is derived from USACE data. SCF is derived from RS Means data.	$1,007.62	$23.04

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
8112	Stand-By/Emergency Power	KW	Stand-by electrical generation to provide power to specific facilities, units, and functions in the event that there is an interruption in normal power. CCF is derived from USACE data. SCF is derived from RS Means data.	$4,580.52	$23.04
8121	Electrical Power Distribution Line	LF	The lines for the transmission of electrical power between source, substations and switching stations, and end users. CCF is derived from USACE data. SCF is derived from the Rural Utility Service (USDA) data.	$30.97	$0.21
8122	Exterior lighting lines	LF	Outdoor lighting lines such as street lights and perimeter lights. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$10.75	$2.07
8131	Electrical Power Substation and Switching	KV	Equipment for changing the voltage or frequency of electrical power or to distribute power from a main line to several branch lines. CCF is derived from USACE data. SCF is derived from RS Means data.	$65.30	$2.09
8211	Heat Source	MB	A central plant for the production of heat for one or more separate facilities. CCF is derived from USACE data. SCF is derived from Whitestone data.	$67,581.11	$486.76
8221	Heat Distribution Line	LF	A pipeline for the transmission of hot water or steam between a central heating plant and the facilities to be heated. CCF is derived from USACE data. SCF is derived from Whitestone data.	$190.62	$1.41
8231	Heat Gas Production Plant	MB	A plant for the production of gas to be used directly in heat production. CCF is derived from USACE data. SCF is derived from Energy News data.	$3,528.47	$5.97
8232	Heat Gas Storage	EA	A plant for the storage of gas to be used directly in heat production. Cost factors are based upon a capacity size of 12,000 GA. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$31,280.85	$50.96
8241	Heat Gas Distribution Line	LF	A pipeline for the transmission of gas to be used directly in heat production. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$73.89	$0.16
8261	Refrigeration and Air Conditioning Source	TR	A central plant for the production of cooling or air conditioning. CCF is derived from USACE data. SCF is derived from RS Means data.	$3,146.83	$19.31
8271	Chilled Water and Refrigerant Distribution Line	LF	Pipelines for the transport of water or other coolants between a central cooling plant and the facilities to be cooled. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$40.81	$2.97
8311	Sewage Treatment	KG	A facility for the treatment of sewage to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.	$4,372.36	$42.53
8312	Industrial Waste Treatment	KG	A facility for the treatment of industrial waste to remove contaminants to an acceptable degree. CCF is derived from Marshall & Swift data. SCF is derived from the West Coast study data.	$4,372.36	$42.53
8313	Water Separation Facility	KG	A facility for the separation of grease, oil, or grit from wastewater. CCF is derived from data from all the Services. SCF is derived from RS Means data.	$86.17	$0.45
8314	Septic Tank, Drain Field, and Lagoon	KG	A facility to hold wastewater during the process of contaminants settling-out or the process of ground filtration. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8313.	$5,194.35	$27.02
8321	Sewer and Industrial Waste Line	LF	A pipeline for the transport of sewage or industrial waste between the source, holding facilities, and/or treatment facilities. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	$50.07	$0.06
8331	Refuse Collection and Recycling Facility	EA	A facility for the collection of refuse or recyclable materials before they are processed for disposal or recycling. Cost factors are based upon an average-size facility of 5,000 SF. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 4412.	$201,485.50	$4,750.00

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
8332	Incinerator	TH	A facility to burn combustible wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8331.	$5,343.79	$126.11
8333	Sanitary Landfill	AC	A site used for the disposal of solid waste material, other than hazardous waste. CCF is derived from FCSWA data. SCF is derived from FCSWA data.	$522,992.50	$5,224.77
8334	Hazardous Waste Landfill	AC	A site used for the disposal of hazardous solid waste material. Hazardous waste includes chemical waste, paint, material contaminated with petroleum products. Materials generally not included, and handled separately, are waste POL, biological hazards, radioactive materials, and infectious wastes. CCF is derived from FCSWA data. SCF is derived from FCSWA data.	$1,045,985.00	$10,449.55
8411*	Water Source, Potable	KG	A source of water that is or can be treated to be safe for drinking.	$0.00	$0.00
8412	Water Treatment Facility	KG	A facility for treating raw water in order to make it safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from FCWA data.	$3,099.21	$11.07
8413	Water Storage, Potable	GA	A facility for the storage of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	$2.09	$0.0030
8414*	Water Well, Potable	KG	A well that provides water which is safe for drinking. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$7.80	$0.08
8421	Water Distribution Line, Potable	LF	Pipelines for the distribution of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.	$37.56	$0.83
8422	Water Pump Facility, Potable	KG	A facility for the pumping of water that is safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	$58.29	$0.02
8431	Water Source, Fire Protection	GM	A source of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	$38.85	$0.06
8432	Water Distribution Line, Fire Protection	LF	Pipelines for the distribution of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from AWWA data.	$37.56	$0.83
8433	Water Impoundment, Fire Protection	MG	An impoundment for the storage of water that is intended for fire fighting. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$235,526.40	$489.73
8434	Water Pump Facility, Fire Protection	KG	A facility for the pumping of water that is intended for fire fighting. CCF is derived from USACE data. SCF is derived from RS Means data.	$58.29	$0.02
8441	Water Source, Non-Potable	KG	A source of water that, in its natural condition, is not safe for drinking. Usually a well or stream. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$7.80	$0.08
8442	Water Storage, Non-Potable	GA	A facility for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	$2.09	$0.0030
8443*	Reservoir, Water	MG	An impoundment for the storage of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	$735,126.72	$489.73
8451	Water Distribution Line, Non-Potable	LF	Pipelines for the distribution of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from AWWA data.	$37.56	$0.83
8452	Water Pump Facility, Non-Potable	KG	A facility for the pumping of water that, in its natural condition, is not safe for drinking. CCF is derived from USACE data. SCF is derived from RS Means data.	$58.29	$0.02
8511	Road, Surfaced	SY	A hard-surfaced road. The surface is usually either concrete or asphalt. CCF is derived from RS Means data. SCF is derived from MicroPaver data.	$36.68	$1.03
8512	Road, Unsurfaced	SY	An unpaved road. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.	$6.53	$0.16
8513	Vehicle Bridge	SY	Bridges that support vehicle roadway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8511.	$634.09	$15.28

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
8521	Vehicle Parking, Surfaced	SY	A paved surface for parking private and/or government owned vehicles and equipment. The surface is usually either concrete or asphalt. CCF is derived from USACE data. SCF is derived from RS Means data.	$44.94	$1.04
8522	Vehicle Parking, Unsurfaced	SY	An unpaved surface for parking private and/or government owned vehicles and equipment. The surface is usually gravel. CCF is derived from USACE data. SCF is based on a ratio from FAC 8511.	$6.53	$0.16
8523	Vehicle Staging Area	SY	A surfaced or unsurfaced area for the temporary storage or holding of vehicles and equipment awaiting deployment. CCF is derived from USACE data. SCF is derived from RS Means data.	$45.03	$1.04
8524	Sidewalk and Walkway	SY	A pathway constructed to support pedestrian traffic. Construction is of concrete, asphalt, paving blocks, gravel, or the like. CCF is derived from USACE data. SCF is derived from RS Means data.	$37.20	$0.81
8525	Pedestrian Bridge	SY	Bridges that support walkway crossing of a river, underpass, or similar gap. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8513.	$892.81	$21.52
8526	Miscellaneous Paved Area	SY	Paved surfaces that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	$44.28	$1.04
8601	Railroad Track	MI	Rail track to include spurs, sidings, yards, and turnouts. Track includes two parallel rails, crossties, and roadbed. CCF is derived from USACE data. SCF is derived from data provided by various commercial railroads.	$1,373,175.94	$15,616.86
8611	Railroad Bridge	LF	Bridges that support railroad track crossing of a river, road underpass, or similar gap. CCF is derived from AMATS data. SCF is based on a ratio from FAC 8601.	$18,270.67	$208.29
8612	Miscellaneous Railroad Facility	EA	A facility, other than track, normally associated with rail operations. Cost factors are based upon a railroad scale contained within a 100' section of track. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8601.	$94,104.47	$1,072.79
8711	Storm Drainage	LF	Drainage pipes or ditches intended to capture and direct the flow of storm water. CCF is derived from Marshall & Swift (Dodge Cost Guide) data. SCF is derived from RS Means data.	$3.71	$0.0032
8712*	Retaining Structure	LF	A structure constructed to restrict or prevent the horizontal movement of earth. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 8721.	$434.25	$5.99
8713*	Dams and Dikes	EA	A barrier constructed to obstruct the normal flow of a watercourse, causing the water to back-up or divert its path of flow. CCF is derived from data provided by all the Services. SCF is derived from RS Means data.	$56,521.49	$489.25
8721	Fence and Wall	LF	A linear structure intended to restrict access to a specific area or to restrict and direct the flow of traffic. CCF is derived from USACE data. SCF is derived from RS Means data.	$33.25	$0.46
8910	Utility Building	SF	A building that contains utility equipment and functions. CCF is derived from USACE data. SCF is derived using the Whitestone MARS based on the DoD average size of 1,297 SF.	$158.42	$3.00
8921	Installation Gas Production Plant	EA	Plants for the production of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size of 1,500 SF with 100-HP compressor. CCF is derived from USACE and Marshall & Swift data. SCF is derived using the Whitestone MARS data for FAC 8910 and RS Means data.	$269,928.29	$5,555.75
8922	Installation Gas Storage	EA	A facility for the storage of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. Cost factors are based upon an average size facility of 1,297 SF. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data from FAC 4412.	$30,500.00	$950.00

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
8923*	Vehicle Scales	EA	A facility for weighing vehicles and their loads in a roll-on/roll-off mode. CCF is derived from Marshall & Swift data. SCF is derived from data provided by the NY State Dept. of Weights & Measures and commercial scale maintenance companies.	$19,788.60	$882.41
8924	Miscellaneous Pump Station	EA	Miscellaneous liquid pumping stations that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	$295,200.00	$97.34
8925	Energy Management and Control System	EA	A system to monitor and control the distribution of primary utility services throughout the installation. Included are sensors at various locations, a central control unit, and communication lines to connect the sensors to the control unit. CCF is derived from Marshall & Swift data. SCF is derived from Whitestone data.	$257,607.00	$11,462.02
8926	Hazardous Waste Storage Or Disposal Facility	EA	A facility used for the storage and/or disposal of hazardous wastes. CCF is derived from Marshall & Swift data. SCF is based on a ratio from FAC 4412..	$201,485.50	$4,750.00
8927*	Utility Vaults	EA	An enclised structure, generally made of concrete, that contains utility equipment, connections, or lines. CCF is derived from USACE data. SCF is derived from the Whitestone MARS data from FAC 8910.	$19,286.40	$300.00
8928*	Loading Platform/Ramp	EA	A structure from which trucks or rail cars can be loaded or unloaded by moving the load directly to or from the bed. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$9,898.57	$83.19
8929*	Miscellaneous Utility Facility	EA	Miscellaneous utility facilities and systems that are not included in another Facility Analysis Category. These facilities will be treated as having a Unit of Measure of each. CCF is derived from USACE and Marshall & Swift data. SCF is derived from RS Means and other data sources.	$9,032.44	$170.60
8930	Installation Gas Distribution Line	LF	Distribution pipes for the transfer of oxygen, nitrogen, carbon dioxide, compressed air and other non-heating gasses. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$73.89	$1.85
8931	Utility Tunnel	LF	A walk-thru tunnel that contains various utility lines and that allows these lines to be accessed for maintenance. CCF is derived from Marshall & Swift data. SCF is derived from RS Means data.	$38.06	$0.24
8951	Miscellaneous Storage Tank and Basin	GA	Miscellaneous liquid storage and holding tanks and basins, that are not included in another Facility Analysis Category. CCF is derived from USACE data. SCF is derived from RS Means data.	$0.95	$0.0026
8999	Miscellaneous Component of Other Facility	n/a	Components of other Facilities that are generally understood to be part of the other facilities. These items are not used for analysis or costing, as they are accounted for in the other facilities.	$0.00	$0.00
9110	Government-owned land	AC	Land comprising the whole or a part of a military installation that is owned by the Federal Government.	n/a	n/a
9120	Withdrawn Public land	AC	Land originally withdrawn from public domain under jurisdiction of the Department of Interior.	n/a	n/a
9130	Licensed and Permitted Land	AC	Land acquired for use under license or permit.	n/a	n/a
9140	Public Land	AC	Public land of Territories or Possessions acquired for use of the Federal Government.	n/a	n/a
9210	Land Easement	AC	A right that allows the US Forces access to and use of land for a specific purpose, without depriving the owner or tenant of continued use.	n/a	n/a
9220	In-leased Land	AC	Land leased to the Services comprising the whole or part of a military installation.	n/a	n/a
9230	Foreign Land	AC	Land under the custody of the Services comprising a military installation in a foreign country or trust area, except that land in Facility Analysis Categories 9210 and 9220.	n/a	n/a
9311	Building Improvements and Acquisitions	n/a	The acquisition and/or improvement of a building. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a

FAC	FAC title	UM	Description	Cost Factors ($FY03)	
				Construction	Sustainment
9321	**Clearing, Grading, and Landscaping**	n/a	The removal of vegetation, reshaping of the land surface, and/or the planting of decorative trees and shrubs. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9331	**Demolition**	n/a	The razing of structures and other obstructions and subsequent removal of debris. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9341	**Cut and Fill**	n/a	The removal of soil from higher elevations and/or the placement of soil in lower elevations to prepare a site for further construction. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9351	**Dredging**	n/a	The removal of the bed material underlying a body of water, to provide operating channels, maneuvering area, anchorages and moving basins for ships.	n/a	n/a
9391	**Other Real Property Improvements**	n/a	Other improvements to real property that are not included in another Facility Analysis Category. This Facility Analysis Category should not be used for inventory purposes.	n/a	n/a
9411	**Contaminated Facility or Area**	n/a	A facility or land that has been contaminated and in unavailable for use, excluding as impact areas. This Facility Analysis Category should not be used for inventory purposes as the facility or land is also captured in other categories.	n/a	n/a
9999	**Not Real Property**	n/a	Service category codes that are not accountable items of real property.	n/a	n/a

Notes:

1. n/a = not applicable. There is no construction or sustainment cost associated with this FAC.
2. FAC numbers annotated with an asterisk (*) indicates a new or renumbered FAC.

TABLE A: UNIT COSTS FOR DoD FACILITIES

Table A provides metric unit cost data for DoD facilities in dollars per square meter ($/m^2) and equivalent English unit cost data in dollars per square foot ($/SF).

Most unit costs and referenced facility sizes are based on historic construction award data for Air Force, Army and Navy projects with construction contracts awarded after January 1997. Unit costs for a few category codes that have a limited number of awarded projects are based on contracts awarded since 1990. The unit cost database includes only new construction projects and does not include data from renovation or add/alter projects. The facility types or category codes listed represent those facilities more frequently constructed by the Services.

NOTES:

1. Unit costs are escalated to October 2005 and October 2006, the assumed midpoints of construction for FY05 and FY06, respectively, with an area cost factor of 1.00. Use the OSD inflation rates shown in Table D to escalate the FY05 unit costs beyond FY05. Unit costs include installed (built-in) building equipment and furnishings normally funded with MILCON funds. Unit costs are for primary facilities only and do not include supporting facility costs; equipment acquired with other fund sources; anti-terrorism/ force protection costs; construction contingency factors; supervision, inspection, and overhead (SIOH); or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions.
2. Unit costs for DoD medical facilities include category A and category B equipment, but do not include category E and category F equipment costs.
3. Unit costs for administrative facilities do not include pre-wired workstations or furnishing systems.
4. Unit costs for barracks and unaccompanied officers quarters do not include free-standing kitchen equipment. In addition to using the size adjustment factors, use the project size adjustment factors in table C.
5. Unit costs for child development centers do not include free-standing food service equipment or playground area and equipment.
6. Unit costs for family housing are based upon gross area and include sprinkler systems or fire-rated construction. Unit costs include post-award design costs.
7. For reserve facilities other than reserve centers, use the unit cost of the appropriate facility type.

APPENDIX B: Unit of Measure Glossary

AC	Acres
BL	Barrels (42 gal. each)
CF	Cubic Feet
EA	Each
FA	Family Units (housing)
FB	Linear Feet of Berthing
FP	Firing Point (firing ranges)
GA	Gallons
GM	Gallons Per Minute
KG	Thousands of Gallons Per Day
KV	Kilovolt-Amperes

KW	Kilowatts
LF	Linear Feet
MB	Millions of BTU Per Hr (capacity)
MG	Millions of Gallons
MI	Statute Miles
OL	Outlets
SF	Square Feet
SY	Square Yards
TH	Tons Per Hour (capacity)
TN	Tons (capacity)
TR	Tons (refrigeration)

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RS Means Heavy Construction Cost Data, 16th Edition, RS Means Company, Inc., 2002

RS Means Landscape Estimating Methods, 3rd Edition, RS Means Company, Inc., 2000

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RS Means Mechanical Cost Data, 25th Edition, RS Means Company, 2002

RS Means Residential Cost Data, 21st Edition, RS Means Company, 2002

RS Means Electrical Cost Data, 25th Edition, RS Means Company, 2002

The Whitestone Building Maintenance & Repair Cost Reference, 2002, Whitestone Research Corporation

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Water Supply & Sewerage, 6th Edition; Terence J. McGhee, McGraw-Hill, Inc. 1991

The following federal, state, and local government sources were also contacted as part of the research effort, and provided data in both published and unpublished (internal budgets and reports) form.

Akron Metropolitan Area Transportation Study, Project #34, 2000

Arlington County (VA) Department of Public Works (Mr. Joseph Durkee)

Bureau of Reclamation, FY 1998 Report "Hydroelectric Power Plants"

Bureau of Transportation Statistics

California Department of Transportation (Mr. Rob Marsh)

Dominion—Virginia Electric Power (Mr. Phil Sparks)

Fairfax County (VA) Park Authority (Mr. Chris Hoppe, Mr. Charles Bittenbring, Mr. Rob Airaghi and Mr. Paul Engman)

Fairfax County, VA Department of Public Works, Sewage Disposal Office (Ms. Charese Willis and Mr. Bill White)

Fairfax County, VA. Division of Solid Waste Disposal & Resource Recovery (Mr. Jeff Smithberger, Deputy Director)

Federal Energy Regulatory Commission (Mr. Brian Holmes)

Fort Monmouth (NJ) Department of Public Works (Mr. Terry Matthews)

New York State Department of Weights & Measures (Mr. Mike Sikula, Assistant Director)

Naval Surface Warfare Center – Indian Head (Mr. Lou Scafalli)

Norfolk Naval Ship Yard (Mr. Ronnie D. Ayers)

Ohio Department of Transportation (Mr. Michael Orndorf)

Oregon Department of Transportation (Mr. Mike Dunning), Report: RSN 00-01 “Permanent Pavement Striping or Paint?”
Oxnard, CA Department of Public Works (Mr. Mark Norris, Wastewater Superintendent)
Texas Department of Transportation (Mr. Richard Kirby, Mr. Bill Swindal)
Department of Energy, Energy Information Agency (Mr. Rodney Dunn)
U.S. EPA, Region 3, Water Division (Mr. Les Reed)
Department of Transportation, Federal Highway Administration
University of Virginia, Charlottesville VA, (Director of Utilities)
Washington State Department of Transportation (Mr. Scott Woodruff, Mr. Ken Kirkland)

The following non-governmental agencies, associations, and other sources were contacted as part of the research effort. Where data was available, it was included in the overall FAC-level analysis.

American Gas Association (Mr. Paul Pierson)
American Public Gas Association (Mr. Bob Cave)
American Public Power Association, (Mr. Steven Choate, Head of Statistics)
American Water Works Association, Water STATS database
Apple Valley Scale Company, (Ms. Kathy Warner)
Association of Metropolitan Sewerage Agencies (Ms. Robin Davis)
Dallas/Fort Worth International Airport Master Specification: Item L-107
Dominion-Virginia Electric Power Company (Mr. Phil Sparks)
Energy News, Statistics, Trends and Energy Data, July 2000
General Electric Corporation
Hanretty Crane & Equipment Company (Mr. John Hanretty)
International District Energy Association (Mr. Rob Thornton)
National Propane Gas Association (Mr. Jim Burnham)
Ocean Science Group
The World Bank’s Report: “Construction & Maintenance - Unit Costs of Construction & Maintenance”, 1997
The York Corporation, Residential and Light Commercial Division
Trane Corporation, Baltimore Office (Mr. Steve Groenke)
Willis Energy Services Ltd, Vancouver, B.C. (Mr. Alex Tunner, P.E.)

APPENDIX D: FAC-to-Category Code Table

FAC	Svc	CATCD	CATCODE Title
1111	A	11110	Fixed Wing Runway, Surfaced
1111	AF	111111	Runway
1111	AF	116116	Short Field Takeoff and Landing
1111	AF	116555	SAC Alert Take-Off Strip
1111	N	11110	Runway Fixed-Wing
1112	A	11120	Rotary Wing Runway, Surfaced
1112	A	11130	Rotary Wing Landing Pad, Surfaced
1112	AF	116663	Helicopter Pad
1112	N	11115	Runway Rotary-Wing
1112	N	11120	Helicopter Landing Pad
1113	A	11151	Runway Overrun Area
1113	AF	111115	Overrun, Paved
1114	A	11111	Fixed Wing Runway, Unsurfaced
1114	A	11121	Rotary Wing Runway, Unsurfaced
1121	A	11212	Fixed Wing Taxiway, Surfaced
1121	AF	112211	Taxiway
1121	N	11210	Taxiway
1122	A	11221	Rotary Wing Taxiway, Surfaced
1131	A	11310	Fixed Wing Parking Apron, Surfaced
1131	A	11320	Rotary Wing Parking Apron, Surfaced
1131	A	11330	Aircraft Maintenance Parking Apron, Surfaced
1131	A	11340	Hangar Access Apron, Surfaced
1131	A	11350	Aircraft Runway Holding Apron, Surfaced
1131	A	11380	Aircraft Loading Apron, Surfaced
1131	AF	113321	Apron
1131	AF	116661	Arming and Disarming Pads
1131	AF	116662	Pad, Dangerous Cargo, Load/Unload
1131	AF	116664	Power Check
1131	AF	116665	Power Check w/Suppressor
1131	AF	116666	Pad, Warmup, Holding
1131	N	11320	Aircraft Parking-Apron
1131	N	11340	Aircraft Access-Apron
1131	N	11635	Arming&De-Arming Pad
1131	N	11650	Towway
1131	N	11655	Ordnance-Handling Pad
1131	N	11656	Combat Aircraft Ordnance Loading Area
1161	A	11610	Aircraft Compass Swing Base
1161	AF	116667	Pad, Calibration
1161	N	11620	Aircraft Compass-Calibration Pad
1162	AF	116668	Pad, Launching
1163	A	11370	Aircraft Washing Apron, Surfaced
1163	AF	116672	Aircraft Washrack
1163	N	11610	Aircraft Washrack-Pavement
1164	AF	852269	Vehicle Parking Refueling
1164	AF	852273	Aircraft Support Equipment Storage Yard
1164	N	11640	Ground-Controlled-Approach Pad
1164	N	11642	Blast Protective Pavement
1164	N	11645	Line Vehicle Parking
1164	N	11660	Fire&Rescue Vehicle Alert Pad
1164	N	11665	Tactical-Support-Van Pad
1165	AF	116642	Shoulder, Paved
1166	A	11131	Rotary Wing Landing Pad, Unsurfaced
1166	A	11213	Fixed Wing Taxiway, Unsurfaced
1166	A	11222	Rotary Wing Taxiway, Unsurfaced
1166	A	11311	Fixed Wing Parking Apron, Unsurfaced

FAC	Svc	CATCD	CATCODE Title
1166	A	11321	Rotary Wing Parking Apron, Unsurfaced
1166	A	11331	Aircraft Maintenance Parking Apron, Unsurfaced
1166	A	11341	Hangar Access Apron, Unsurfaced
1166	A	11351	Aircraft Runway Holding Apron, Unsurfaced
1166	A	11371	Aircraft Washing Apron, Unsurfaced
1166	A	11383	Aircraft Loading Apron, Unsurfaced
1167	N	11615	Aircraft Rinse-Facility
1211	A	12110	Aircraft Direct Fueling Facility
1211	A	12120	Aircraft Fuel Truck Loading Facility
1211	AF	121115	Aviation Fuel Dispensing
1211	AF	121122	Hydrant Fueling System
1211	N	12110	Aircraft Direct-Fueling-Station
1211	N	12120	Aircraft Truck-Fueling Facility
1212	N	12130	Aircraft Defueling Facility
1221	A	12210	Marine Fueling Facility
1221	AF	122111	Marine Fuel Dispensing System
1221	N	12210	Marine Fueling Facility
1221	N	12220	Small-Craft Fueling-Station
1221	N	42320	Liquid-Propellant Dispensing Facility
1231	A	12311	Land Vehicle Fueling Facility, Mogas
1231	A	12322	Land Vehicle Fueling Facility, Diesel/JP8
1231	A	12333	Land Vehicle Fueling Facility, Natural Gas
1231	AF	123335	Vehicle Fueling Station
1231	N	12310	Filling Station
1241	A	12410	Aircraft Fuel Storage Tank, Avgas, Underground
1241	A	12411	Aircraft Fuel Storage Tank, Jet, Underground
1241	A	12412	Aircraft Fuel Storage Tank, Avgas, Above Ground
1241	A	12413	Aircraft Fuel Storage Tank, Jet, Above Ground
1241	A	12440	Marine Fuel Storage Tank, Underground
1241	A	12441	Marine Fuel Storage Tank, Above Ground
1241	A	12450	Land Vehicle Fuel Storage Tank, Mogas, Underground
1241	A	12451	Land Vehicle Fuel Storage Tank, Mogas, Above Ground
1241	A	12460	Propellant Storage Tank, Underground
1241	A	12461	Propellant Storage Tank, Above Ground
1241	A	12470	Heating Fuel Storage Tank, Underground
1241	A	12471	Heating Fuel Storage Tank, Above Ground
1241	A	12472	Kerosene Storage Tank, Underground
1241	A	12473	Kerosene Storage Tank, Above Ground
1241	A	12480	Land Vehicle Fuel Storage Tank, Diesel/JP8, Underground
1241	A	12481	Land Vehicle Fuel Storage Tank, Diesel/JP8, Above Ground
1241	A	12482	Liquid Propane Gas Storage Tank, Underground
1241	A	12483	Liquid Propane Gas Storage Tank, Above Ground
1241	AF	124131	Operating Storage, Aviation Gas
1241	AF	124132	Operating Storage, Aviation Lubricant
1241	AF	124134	Operating Storage, Diesel
1241	AF	124135	Operating Storage, Jet Fuel
1241	AF	124137	Operating Storage, Motor Gas
1241	AF	124138	Operating Storage, Solvents
1241	AF	124139	Operating Storage, Special Fuels
1241	AF	821112	Heating Fuel Oil Storage
1241	N	12420	Drum/Can Ready Fuel Storage
1241	N	12430	Aircraft Ready-Fuel Storage
1241	N	12440	Small-Craft Ready-Fuel Storage
1241	N	12450	Vehicle Ready-Fuel Storage
1241	N	12465	Activity Heating-Fuel Storage

FAC	Svc	CATCD	CATCODE Title
1241	N	12470	Surge Storage
1241	N	82160	Distillate Heating Fuel Oil Storage
1241	N	82161	Residual Heating Fuel Oil Storage
1251	A	12510	POL Pipeline, Above Ground
1251	A	12520	POL Pipeline, Underground
1251	AF	125554	Pipeline, Liquid Fuels
1251	N	12510	POL Pipeline
1261	A	12610	Heating Fuel Oil Dispensing Facility
1261	A	12615	Kerosene Dispensing Facility
1261	A	12620	Propellant Fueling Facility
1261	A	12630	Tank Truck Load/Unload Facility
1261	A	12640	Tank Car Load/Unload Facility
1261	A	12650	Barge Load/Unload Facility
1261	A	12660	Tanker Load/Unload Facility
1261	A	12670	Drum Loading Facility
1261	AF	126925	Liquid Fuel Truck Fill Stand
1261	AF	126926	Liquid Fuel Stand, Unloading
1261	N	12610	Drum&Can Loading Facility
1261	N	12630	Tank-Truck Tank-Car Loading Facility
1261	N	12640	Tank-Truck Tank-Car Unloading Facility
1311	A	13115	Information Systems Facility
1311	A	13120	Communications Center
1311	A	13125	Military Affiliate Radio System (MARS) Station
1311	A	13140	Information Systems Processing Center
1311	A	13160	Transmitter Building
1311	A	13170	Receiver Building
1311	A	13175	Televideo Center
1311	A	13181	Terminal Equipment Building
1311	AF	131111	Telecommunications Facility
1311	AF	131114	Military Affiliate Radio System
1311	AF	131115	Communications Receiver
1311	AF	131116	Communications-Transmitter/Receiver
1311	AF	131117	Communications Transmitter
1311	AF	131118	Radio Relay Facility
1311	AF	131121	NUC Detection Sys Relay Center
1311	AF	131132	Satellite Communications Ground Terminal
1311	AF	131133	Communications, Scatter
1311	AF	131134	AIRCOM Relay Center
1311	AF	131135	Automatic Switching Center
1311	AF	131136	AIRCOM Receiver
1311	AF	131137	AIRCOM Transmitter
1311	AF	131138	High Frequency AIRCOM Microwave Relay
1311	AF	131139	AIRCOM Radio Relay
1311	AF	131143	Gap Filler
1311	AF	141391	Radar Transmitter and Computer Building
1311	N	13110	Cable-House
1311	N	13115	Communications Center
1311	N	13117	Telecommunications Center
1311	N	13120	Communications Control-Link Building
1311	N	13122	VHF/UHF Communication Facility
1311	N	13124	Satellite Communications Building
1311	N	13125	Telemetry Building
1311	N	13130	Helix House
1311	N	13135	Receiver Building
1311	N	13140	Telephone-Exchange Building

FAC	Svc	CATCD	CATCODE Title
1311	N	13142	Automatic-Communication Switching-Center
1311	N	13145	Terminal-Equipment Building
1311	N	13150	Transmitter Building
1311	N	13155	Circular-Disposed Antenna-Array Building
1311	N	13156	Direction-Finder Building
1311	N	13160	Military-Affiliate-Radio Station
1311	N	13165	Frequency Analysis-Control Building
1321	A	13220	Antenna
1321	AF	132131	Silo Hardened HF Antenna
1321	AF	132134	Antenna Support Structure
1321	N	13210	Antenna Communications
1321	N	13240	Switching-Stations -Outdoor Antenna
1321	N	13250	Public-Address-System -Outdoor
1321	N	13255	Circular-Disposed Antenna-Array
1331	A	13320	Navigation Building, Air
1331	AF	133314	UHF Direction Finding
1331	AF	134336	Ground Controlled Approach, Fixed
1331	AF	134338	Ground Controlled Approach Vault
1331	AF	134341	Ground Controlled Approach RAPCON Support Building
1331	AF	134375	Radar Approach Control Center
1331	AF	149511	Pilotless Aircraft Guidance Station
1331	AF	149516	Aircraft Guidance Station
1331	N	13315	RAWIN Building
1331	N	13325	TACAN Building
1331	N	13335	UHF Homer Beacon Building
1331	N	13365	Air Navigation Building
1331	N	13380	Wheels Watch Booth
1341	A	13410	Radio Beacon
1341	A	13430	Ground Control Approach System
1341	A	13440	Instrument Landing System
1341	A	13450	Navigational Lighting
1341	A	13470	Wind Direction Indicator
1341	AF	134119	Remote Control Circuits
1341	AF	134335	Ground Control Intercept
1341	AF	134351	Instrument Landing System Glide Slope
1341	AF	134353	Instrument Landing System Localizer
1341	AF	134355	ILS Marker Beacon
1341	AF	134373	Radar Turntable
1341	AF	134374	Precision Approach Radar
1341	AF	134376	Airport Surveillance Radar
1341	AF	134394	Radar Control AN/FPN 13 or AN/CPN-6
1341	AF	134422	Radio Beacon Facility
1341	AF	134465	Tactical Air Navigation Station, Fixed
1341	AF	134473	Navigational Aid Tower
1341	AF	134482	Low Power Terminal VHF Omnirange
1341	AF	134484	High Power VHF Omnirange
1341	AF	134511	TVOR-RACAN, Fixed
1341	AF	134678	Wind Direction Indicator
1341	AF	149621	Wind Measuring Set, ANG/MQ20
1341	AF	149622	Ceilometer Rotating Beacon
1341	AF	149623	Transmissometer, ANGMQ-10
1341	AF	149624	Temperature-Humidity Measuring Set
1341	AF	149625	Digital Wind Measuring System
1341	AF	149626	Lightning Warning Set
1341	AF	149627	Radar Meteorological Set, C-Band

FAC	Svc	CATCD	CATCODE Title
1341	AF	149629	Cloud Detection Radar
1341	N	13410	Antenna Navigation -Aircraft
1341	N	13420	Beacon Aircraft
1341	N	13440	Ground-Controlled-Approach System
1341	N	13450	Obstruction-Lighting Aircraft
1341	N	13455	Visual-Approach-Slope Indicator
1341	N	13460	Optical-Landing System
1341	N	13462	Wind-Direction Indicator
1341	N	13464	Runway Distance-Markers
1341	N	13466	VOR/TACAN Facility
1341	N	13470	RADAR Facility
1341	N	13471	Aviation Meteorological Facility
1351	A	13510	Communication Lines, Underground
1351	A	13511	Communication Lines, Above Ground
1351	A	13520	Communication Lines, Marine
1351	AF	135583	Telephone Duct Facility
1351	AF	135586	Telephone Pole Facility
1351	N	13510	Communication-Lines -Other Than Telephone
1351	N	13520	Telephone Lines
1361	A	13610	Runway Lighting
1361	A	13612	Approach Lighting System
1361	A	13613	Visual Approach Slope Indicator
1361	A	13615	Rotary Wing Parking Pad Lighting
1361	A	13620	Taxiway Lighting
1361	A	13621	Holding Apron Lighting
1361	A	13670	Parking Apron/Hardstand Lighting
1361	AF	136661	Light, Approach
1361	AF	136664	Light, Runway
1361	AF	136667	Taxiway Lighting
1361	N	13610	Approach Lighting
1361	N	13620	Parking&Service-Area Lighting
1361	N	13630	Runway Edge Lighting
1361	N	13635	Runway Centerline Lighting
1361	N	13650	Taxiway Lighting
1361	N	13665	Heliport Pad Lighting
1362	AF	136635	Light, Beacon
1362	AF	136662	Obstruction Light
1362	AF	136666	Special Airfield Lighting
1362	N	13636	Simulated-Carrier-Deck Lighting
1362	N	13645	Wheels-Up Wave-Off Lighting
1362	N	13655	Touchdown-Zone Lighting
1362	N	13660	Threshold Lighting
1371	A	13710	Lighthouse
1371	A	13750	Navigation Building, Ship
1371	N	13710	Oceanographic Building
1371	N	13720	Lighthouse
1371	N	13730	LORAN Building
1371	N	13732	DECCA Building
1371	N	13733	Navigation-Aid Test-Center
1371	N	13740	Port-Control Office
1381	A	13810	Lighted Beacon, Ship
1381	N	13810	Beacon Ship
1381	N	13820	Navigation-Aid Target
1381	N	13825	Antenna Navigation
1402	AF	141392	Radar Transmitter Building (BMEWS)

FAC	Svc	CATCD	CATCODE Title
1402	AF	141393	Scanner Building (BMEWS)
1402	AF	141411	RADOME Tower Building
1402	AF	141421	Radar Tower Building
1402	AF	141446	Combat Center Building
1402	AF	141447	Direction Center Facility
1402	AF	141449	Direction/Combat Center Facility
1402	AF	141481	Aircraft Control and Warning Operations Building Dewline
1402	AF	141489	Aircraft Control and Warning Operations Building
1403	A	14121	Missile Launcher and Storage Building
1403	AF	141173	Missile Erector Enclosure
1403	AF	141175	Guided Missile Launch Control
1403	AF	141911	Missile Operations Building
1403	AF	141912	Re-entry Vehicle Building
1403	AF	141915	Missile Transfer Building
1404	A	14161	Emergency Operations Center (EOC)
1404	A	14162	Special Compartmented Information Facility (SCIF)
1411	AF	130142	Fire Crash And Rescue Station
1411	N	14120	Aircraft Fire&Rescue Station
1411	N	14125	Combined-Structural Fire&Rescue Station
1412	A	14110	Airfield Operations Building
1412	A	14112	Aviation Unit Operations Building
1412	AF	141183	Alert Hanger, Fighter Aircraft
1412	AF	141184	Ready Shelter Facility
1412	AF	141185	Helicopter Rescue and Recovery Hanger
1412	AF	141232	Aerial Delivery Facility
1412	AF	141453	Base Operations
1412	AF	141459	Crew Readiness
1412	AF	141461	USAF Command Post
1412	AF	141626	Weather Rawinsonde
1412	AF	141627	Weather Instrument Shelter
1412	AF	141629	Surface Weather Observing Facility
1412	AF	141635	Rocketsonde Control Building
1412	AF	141753	Squadron Operations
1412	AF	141782	Terminal, Air Freight
1412	AF	141783	Air Freight/Passenger Terminal
1412	AF	141784	Air Passenger Terminal
1412	AF	141785	Fleet Service Terminal
1412	AF	141786	Deployment Processing Facility
1412	N	14111	Air Passenger Terminal
1412	N	14112	Air Cargo Terminal
1412	N	14113	Courier Station
1412	N	14130	Aircraft Line-Operations Building
1412	N	14140	Aircraft Operations Building
1412	N	14141	Marine Air Traffic Control Unit Operations Building
1412	N	14181	Ground-Control-Approach Crew Facility
1412	N	14182	Full-Pressure-Suit Facility
1413	A	13310	Flight Control Tower
1413	AF	149962	Control Tower
1413	N	13372	RATCC Center
1413	N	13375	Air-Surveillance Radar Building
1413	N	14170	Control Tower
1421	A	14220	Helium Storage Building
1421	N	14210	Helium Processing-Plant Building
1421	N	14219	Helium Storage Building
1422	N	14220	Helium Storage Facility

FAC	Svc	CATCD	CATCODE Title
1431	A	14310	Ship Operations Building
1431	A	15610	Cargo Handling Office Building
1431	N	14341	Amphibious Operations Building
1431	N	14360	Explosives Shipping-Transfer Depot
1431	N	14365	OPCON Center-for-Fleet Operations
1431	N	15920	Degaussing Building
1431	N	15930	Deperming Building
1431	N	15964	Waterfront Operations Support Building
1441	A	13135	Photo Lab
1441	AF	131119	American Forces Radio and Television Station
1441	AF	141383	Audiovisual Facility
1441	AF	141385	Motion Picture Laboratory
1441	AF	141387	Film Storage Vault
1441	AF	141389	Television Production Facility
1441	AF	141743	Base Photo Laboratory
1441	AF	141745	Reconnaissance Photo Laboratory
1441	AF	141747	WS-430B Photo Processing and Interpretation Facility Support Building
1441	N	14160	Photographic Building
1441	N	14165	Fleet Reconaissance-Photographic Laboratory
1441	N	14330	Motion Picture Exchange
1441	N	17117	TV Center for Instructional Matter
1441	N	74027	Armed-Forces Radio-TV Station
1442	A	14116	Forensic Lab
1442	AF	141763	Technical Laboratory
1442	AF	141764	Integration Support Facility
1442	AF	141765	Depot Quality Control Laboratory
1442	AF	141766	Technical Laboratory Liquid Fuels Analysis
1442	N	14370	Radiation Instrument-Calibration Facility
1442	N	14375	POL Operation-Sampling-Testing Building
1443	A	14133	Shipping and Receiving Building
1443	A	14140	Care and Preservation Shop
1443	A	14150	Box and Crate Shop
1443	A	14160	Blocking and Banding Facility
1443	AF	141787	Consolidation/Containerization Point
1443	AF	141821	Material Processing Depot
1443	AF	159353	Warehouse, Transit Cargo
1443	N	14321	Ammunition Segregation Facility
1443	N	14377	Operational Storage (Misc.)
1443	N	14378	Operational Hazardous/Flammable Storage
1443	N	15610	Waterfront Transit Shed
1443	N	15620	Container Operations Building
1444	A	14114	CIDC Field Operations Building
1444	A	14115	Weather Station
1444	A	14163	Centralized Wash Building
1444	A	14165	Fueling/POL/Wash Support Building
1444	A	14166	Dispatch Building
1444	A	14168	Refill Station Building
1444	A	14169	Production Plant Support Building
1444	A	14176	Safety Building
1444	A	14177	Decontamination Building
1444	A	14180	Scale House
1444	AF	121111	Petroleum Operations Building
1444	AF	121124	Hydrant Fueling Building
1444	AF	125977	Pump Station, Liquid Fuels
1444	AF	141154	Crash Boat Crew Station

FAC	Svc	CATCD	CATCODE Title
1444	AF	141165	Explosive Ordnance Disposal
1444	AF	141454	Special Operations
1444	AF	141455	Ordnance Control Point OPS
1444	AF	141456	Air Force Security Service Operations
1444	AF	141649	Air Force Global Weather Center
1444	AF	214426	Vehicle Operations Heated Parking
1444	N	12315	Filling-Station Building
1444	N	14142	Air Intellegence-Support Center
1444	N	14187	Liquid Oxygen/Nitrogen Facility
1444	N	14311	Operational Vehicle Garage
1444	N	14317	Space Surveillance Facility
1444	N	14320	Ordnance Operations Building
1444	N	14325	Seal Team Building
1444	N	14328	Underwater Construction Team Building
1444	N	14335	Registered Publication-Issue Office
1444	N	14355	Transit Shed
1444	N	14380	Naval Security Group Regional Reporting Center
1444	N	21107	Maintenance Hangar - 02 Space
1444	N	21440	Vehicle Holding Shed
1445	A	14126	Animal Building
1445	AF	610332	Farm Facility
1445	AF	730841	Security Police Kennel Canine
1445	AF	730842	Security Police Kennel Support Building
1445	N	73076	Kennel
1446	A	14132	Ready Building
1446	AF	730836	Reserve Fire Team Facility
1446	N	14346	Marine Barracks-General-Purpose Building
1446	N	14347	Alert-Force Building
1451	AF	149512	Missile Launch Facility
1452	AF	141914	Missile Guidance Facility
1452	AF	149514	Missile Guidance Station
1453	AF	149711	Missile Shaft Access
1454	AF	149811	Tunnel
1455	AF	141177	Guided Missile Shelter
1456	N	14817	Space-Surveillance Antenna
1461	A	14920	Aircraft Arresting System
1461	AF	116922	Aircraft Arresting System Support
1461	N	14930	Aircraft Arresting Gear
1462	N	14920	Aircraft Catapult
1463	AF	116933	Firing In Butt
1464	A	14935	Blast/Exhaust Deflector
1464	AF	116945	Jet Blast Deflector
1464	N	14950	Blast Deflector Fence
1465	AF	141182	Hardened Aircraft Shelter
1465	N	14188	Hardened Aircraft Shelter
1466	AF	141181	Aircraft Shelter
1467	AF	149628	Cold Fog Dispersal System
1467	N	14915	Fixed Aircraft-Start-System
1467	N	14985	Expeditionary-Air-Control Site -MATCU&MASS
1481	N	14810	Nuclear-Propulsion Support Facility
1491	N	14815	Nuclear Weapons-Handling Facility
1492	N	14825	Explosive Truck Holding Yard
1492	N	14835	Container-Holding Yard
1492	N	14840	Container-Transfer Facility
1492	N	14845	Rail-Truck Receiving Station

FAC	Svc	CATCD	CATCODE Title
1493	N	14830	Explosives RR-Car-Holding Yard
1494	AF	422275	Ancillary Explosives Facility
1495	A	14915	Protective Barrier
1495	AF	872911	Revetment Pre-engineered
1495	N	14910	Aircraft Revetment
1495	N	86020	Explosive Barricade - for Suspect Trucks and RR Cars
1496	A	14962	Centralized Wash Facility
1497	A	17886	Heavy Demolition Area
1497	N	14820	Ordnance Disposal Area
1498	A	14113	Access Control Building
1498	AF	730834	Security Police Defensive Fighting Position
1498	AF	730837	Security Police Entry Control Building
1498	AF	730838	Master Surveillance and Control Facility
1498	AF	730839	Traffic Check House
1498	N	73025	Gate/Sentry House
1499	A	14164	Fueling/Pol/Wash Support Facility
1499	A	14167	Cylinder Refilling Station/Facility
1499	A	14170	Production Plant Support Structure
1499	A	14179	Overhead Protection
1499	A	14181	Safety Shelter
1499	A	14916	Sound Barrier
1499	A	14925	Fighting Position
1499	A	14937	Vehicle Test Track
1499	A	14940	Tower
1499	A	14953	Vehicle Test Ramp
1499	A	14958	Vehicle Defueling Facility
1499	A	14961	Track and Gun Synchronization Ramp
1499	A	14975	Gun Emplacement
1499	AF	149411	Bunker
1499	AF	149965	Radar Tower
1499	AF	149968	Special Tower
1499	AF	214429	Refueling Vehicle Hardened Shelters
1499	AF	872845	Security Guard Tower
1499	N	12516	Miscellaneous POL-Pipeline Facilities
1499	N	12520	Shed-Shelter -for Misc POL-Pipeline Fac
1499	N	14986	Operations Support Shed
1499	N	16210	Gun Emplacement
1499	N	87220	Guard&Watch Towers
1511	A	15110	Pier
1511	AF	151153	Cargo Pier
1511	AF	151155	Liquid Fuel Unloading Pier
1511	N	15110	Ammunition Pier
1511	N	15120	General-Purpose Berthing Pier
1511	N	15130	Fitting-Out Pier
1511	N	15140	Fueling Pier
1511	N	15150	Repair Pier
1511	N	15160	Supply Pier
1511	N	15170	Ordnance Container-Handling Pier
1511	N	15171	Degaussing Pier
1511	N	15180	Deperming Pier
1512	A	15210	Wharf
1512	AF	152111	Wharf
1512	N	15210	Ammunition Wharf
1512	N	15220	General-Purpose Berthing Wharf
1512	N	15230	Fitting-Out Wharf

FAC	Svc	CATCD	CATCODE Title
1512	N	15240	Fueling Wharf
1512	N	15250	Repair Wharf
1512	N	15260	Supply Wharf
1512	N	15270	Ordnance Container-Handling Wharf
1512	N	15271	Degaussing Wharf
1512	N	15280	Deperming Wharf
1531	N	15310	Cargo Staging Area
1541	A	15410	Bulkheads
1541	A	15420	Quay Walls
1541	A	15430	Sea Walls
1541	A	15432	Riprap
1541	AF	154452	Waterfront Improvements
1541	N	15410	Bulkheads
1541	N	15420	Quaywalls
1541	N	15430	Seawalls
1551	A	15510	Small Craft Berthing Facility
1551	N	15510	Fleet Landing
1551	N	15520	Small Craft Berthing
1552	AF	213332	Boat Storage
1552	N	15511	Fleet Landing Building
1552	N	15521	Small-Craft Boathouse
1591	A	15930	Ferry Slip
1591	A	15950	Approach Channel
1591	A	15960	Turning Basin
1591	N	15910	Aircraft Docking Facility
1591	N	15921	Degausing Range
1591	N	15935	Sound Survey Facility
1591	N	15950	Ferry Slip
1591	N	15966	Landing Craft Ramp
1591	N	15970	Dredge Control-Pumping Facility
1611	N	16120	Fixed-Net-Anchorage
1611	N	16130	Winch House
1611	N	16910	Harbor Entrance Control Facility
1631	A	16310	Offshore Mooring Facility
1631	AF	163311	Liquid Fuel Off-Shore Unloading Facility
1631	N	16310	Mooring Dolphin
1631	N	16320	Mooring Platform
1631	N	16330	Stake-Pile Moorings
1641	A	16410	Breakwater
1641	A	16420	Groin
1641	A	16430	Levee
1641	A	16440	Jetty
1641	A	16450	Mole
1641	AF	164211	Harbor and Coastal Marine Improvements
1641	N	16410	Breakwater
1641	N	16420	Groins or Jetties
1641	N	16430	Levees
1711	A	17120	General Instruction Building
1711	AF	171152	Academic Lecture Hall
1711	AF	171211	Flight Training Classroom
1711	AF	171213	UPT/UNT Flight Training
1711	AF	171618	Field Training Facility
1711	AF	171621	Technical Training Classroom
1711	AF	171627	AETC Technical Training Support
1711	AF	171628	Lauch Operations Training Facility

FAC	Svc	CATCD	CATCODE Title
1711	AF	171712	Target Intelligence Training
1711	AF	171813	Safety Education Facility
1711	AF	171815	NCO Professional Military Education Center
1711	AF	171833	Basic Military Training
1711	AF	171844	Officer Training
1711	AF	171851	Air University Professional/Technical Education
1711	AF	171853	US Air Force Academy Training
1711	N	17110	Academic Instruction Building
1712	A	17131	Compact Item Repair Instructional Building
1712	A	17132	General Item Repair Instructional Building
1712	A	17133	Vehicle Maintenance Instructional Building
1712	A	17134	Aircraft Maintenance Instructional Building
1712	A	17135	Laboratory Instructional Building
1712	A	17136	Automation-Aided Instructional Building
1712	A	17137	Material Handling Instructional Building
1712	A	17138	Limited Use Instructional Building
1712	AF	171393	Celestial and Planetarium Navigational Training
1712	AF	171611	Cryptologic Training [USS]
1712	AF	171623	Technical Training Laboratory/Shop
1712	AF	171625	High-Bay Technical Training Facility
1712	AF	171873	Aerial Port Training Facility
1712	AF	171875	Munitions Load Crew Training
1712	N	17120	Applied Instruction Building
1713	A	17115	Band Training Building
1713	AF	171158	Band Center
1714	A	17140	Army Reserve Center Building
1714	A	17141	Armed Forces Reserve Center Building
1714	A	17142	National Guard/Reserve Center Building
1714	A	17180	National Guard Armory
1714	AF	171443	Reserve Forces General Training Support
1714	AF	171445	Reserve Forces Operational Training
1714	AF	171447	Reserve Forces Communications & Electronics Training
1714	AF	171449	Reserve Forces Aeromedical Evacuation Training
1714	AF	171450	Reserve Component Medical Training
1714	N	17115	Reserve Training Building
1714	N	17140	Drill Hall
1715	A	17125	Physical Education Training Building
1715	AF	171157	Natatorium and Physical Education
1717	A	17119	Organizational Classroom
1718	A	17121	Indoor Firing Range
1718	AF	171475	Range, Small Arms, Indoor
1718	AF	171476	Combat Arms Training Maintenance Building
1718	N	17150	Small Arms Range -- Indoors
1721	AF	171212	Flight Simulator Training
1721	N	17135	Operational Trainer Facility
1722	AF	171214	Physiological Training
1723	A	17170	Gas Chamber
1724	A	17210	Simulator Building (Motion-Based)
1724	A	17211	Simulator Building (Non-Motion-Based)
1724	A	17212	Moving Target Simulator Building
1724	A	17213	Simulations Center
1724	A	17214	Battle Lab
1724	N	17136	Radar Simulator Facility
1725	N	17955	Combat Training Pool/Tank
1731	A	17122	Range or Target House

FAC	Svc	CATCD	CATCODE Title
1731	A	17123	Range Support Building
1731	AF	171471	Range Control House
1731	AF	171472	Range Supply and Equipment Storage
1731	AF	171473	Range Target Storage and Repair
1731	N	14315	Range Operation Center
1732	A	14129	Training Aids Center
1732	AF	171617	Training Aids Shop
1732	N	17145	Mock-Up and Training Aid Preparation Center
1732	N	17177	Training-Material Storage
1733	A	17139	Covered Training Area
1734	A	17971	Observation Tower
1734	A	17972	Observation Bunker
1734	AF	149967	Observation Tower
1734	N	17935	Weapons Range Operations Tower
1741	A	17710	Maneuver/Training Area, Light Forces
1741	A	17711	Maneuver/Training Area, Amphibious Forces
1741	A	17998	Land Navigation Course
1741	A	17999	Field Training Area
1742	A	17720	Maneuver/Training Area, Heavy Forces
1743	A	17730	Impact Area Dudded
1743	A	17731	Impact Area Non-Dudded
1744	A	17991	Personnel/Equipment Drop Zone
1745	A	17980	Parade/Drill Field
1745	N	17960	Parade and Drill Field
1750	A	17813	Automatic Rifle Range
1750	A	17814	Non-Standard Small Arms Range
1750	AF	179475	Small Arms Range System
1750	N	17940	Small Arms Range -- Outdoor
1751	A	17801	Basic 10M-25M Firing Range (Zero)
1752	A	17802	Field Fire Range, Non-Automated
1752	A	17803	Automated Field Fire (AFF) Range
1753	A	17804	Record Fire Range Non-Automated
1753	A	17805	Automated Record Fire (ARF) Range
1753	A	17806	Modified Record Fire Range
1754	A	17807	Night Fire (Small Arms) Range
1754	A	17808	Automated Night Fire (Small Arms) Range
1755	A	17810	Known Distance (KD) Range
1756	A	17811	Sniper Field-Fire Range
1756	A	17812	Automated Sniper Field Fire Range
1757	A	17821	Combat Pistol/MP Firearms Qualification Course
1757	A	17822	Automated Combat Pistol/MP Firearms Qualification Course
1757	A	17823	Submachinegun Range
1758	A	17831	Machine Gun Transition Range
1758	A	17832	Machine Gun Field Fire Range
1758	A	17833	Automated Multipurpose Machine Gun Range (Mpmg)
1758	AF	179476	Machine Gun Range
1760	A	17869	Combat Engineer Vehicle (CEV) Range
1761	A	17884	Grenade Launcher Range
1761	AF	179477	Grenade Launcher Range
1762	A	17834	40Mm (Grenade) Machine Gun Qualification Range
1763	A	17841	Light Antiarmor Weapons (LAW/AT -4) Range Subcaliber
1763	A	17842	Light Antiarmor Weapons (LAW/AT -4) Range Live
1763	A	17843	Recoilless Rifle Range
1764	A	17844	Antiarmor Tracking and Live-Fire Range
1764	A	17845	Automated Antiarmor Tracking and Live-Fire Range

FAC	Svc	CATCD	CATCODE Title
1765	A	17855	Field Artillery Direct Fire Range
1766	A	17863	Tank/Fighting Vehicle Stationary Gunnery Range
1767	A	17852	Mortar Range
1767	A	17856	Field Artillery Indirect Fire Range
1767	A	17857	Multiple Launch Rocket System Range
1767	N	17930	Surface-Projectile Range
1768	A	17851	Mortar Scaled Range
1768	A	17854	Field Artillery Scaled Range
1769	A	17861	Scaled Gunnery Range (1:30 And 1:60)
1769	A	17862	Scaled Gunnery Range (1:5 And 1:10)
1771	A	17864	Multipurpose Training Range (MPTR)
1771	A	17865	Automated Multipurpose Training Range (MPTR)
1772	A	17866	Tank/Fighting Vehicle Platoon Battle Run (Table XI And XII)
1772	A	17867	Tank/Fighting Vehicle Multipurpose Range Complex, Light, Automated
1772	A	17868	Tank/Fighting Vehicle Multipurpose Range Complex, Heavy, Automated
1773	A	17892	Fire and Movement Range
1774	A	17893	Squad Defense Range
1775	A	17894	Infantry Squad Battle Course
1775	A	17895	Automated Infantry Squad Battle Course
1775	A	17896	Infantry Platoon Battle Course
1775	A	17897	Automated Infantry Platoon Battle Course
1776	A	17898	Mout Assault Course (MAC)
1781	A	17883	Hand Grenade Familiarization Range (Live)
1782	A	17888	Engineer Qualification Range, Non-Standardized
1782	A	17889	Engineer Qualification Range, Automated/Standardized
1783	A	17885	Light Demolition Range
1783	A	17887	Flame Operations Range
1790	A	17816	Bayonet Assault Course
1790	A	17908	Target Detection (TD) Range (Nonfiring)
1790	A	17948	Hand to Hand Combat Pit
1790	A	17949	Prisoner of War Training Area
1790	A	17952	Mine Warfare Area
1790	A	17954	Wheeled Vehicle Drivers Course
1790	A	17955	Tracked Vehicle Drivers Course
1790	A	17956	Amphibious Vehicle Training Area
1790	A	17958	Ship Loading and Unloading Mockup
1790	A	17959	Air Transport Mockup
1790	A	17961	Parachute Landing Fall Platform
1790	A	17962	Suspended Harness Mockup
1790	A	17963	Mockup Jump Tower
1790	A	17964	Underwater Fording Site
1790	A	17965	Combat Trail
1790	A	17966	Rappelling Training Area
1790	A	17968	Road/Airfield Construction Training Site
1790	A	17973	Timber Bridge Area
1790	A	17974	Panel Bridge Area
1790	A	17975	Armored Vehicle Launch Bridge, Raft, and Ford Area
1790	A	17976	Floating Bridge Site
1790	A	17979	Pipeline Construction Training Area
1790	A	17982	Water Supply Training Area
1790	A	17983	Army Airfield Training Area
1790	A	17984	Medium/Heavy Equipment Training Area
1790	A	17987	Decontamination Training Site
1790	A	17988	POL Training Area

FAC	Svc	CATCD	CATCODE Title
1790	A	17989	Laundry Training Facility
1790	A	17993	Pole Orchard
1790	AF	179219	Parachute Swing Training
1790	AF	179371	Training Aids
1790	N	17945	Training Mock-Ups
1790	N	17950	Training Course
1790	N	17970	Radar-Bomb-Scoring Facility
1790	N	17971	Electronic-Warfare Training Range
1790	N	17972	Underwater Tracking-Training Range
1791	A	17910	Aerial Harmonization Range
1791	N	21109	Aircraft Boresight Range
1792	A	17911	Aerial Gunnery Range
1792	A	17912	Aerial Gunnery Range AWSS
1793	A	17913	Close Air Support Range
1793	A	17914	Aerial Bombing Range
1793	AF	179481	Range, Aircraft
1793	N	17910	Aircraft Gunnery-Bombing-Rocket Range
1794	A	17871	Air Defense Gunnery Range
1794	A	17872	Air Defense Missile Firing Range
1795	A	17981	Fire Fighting and Rescue Training Area
1795	AF	179511	Fireman Training Facility
1796	A	17995	Combat in Cities Facility
1796	A	17996	Mout Collective Training Facility (Small)
1796	A	17997	Mout Collective Training Facility (Large)
1797	A	17881	Hand Grenade Accuracy Course (Non-Firing)
1797	A	17882	Hand Grenade Qualifcation Course (Non-Firing)
1798	A	17891	Infiltration Course
1799	A	17950	Confidence Course
1799	A	17994	Obstacle Course
2111	A	21110	Aircraft Maintenance Hangar
2111	A	21113	Aircraft Parts Storage
2111	A	21114	Aircraft Maintenance Bay
2111	A	21116	Hangar Shop Space
2111	A	21117	Avionics Maintenance Shop, Installation
2111	A	21120	Aircraft Component Maintenance Shop
2111	A	21130	Aircraft Paint Shop
2111	AF	211111	Hangar, Maintenance
2111	AF	211173	Large Aircraft Maintenance Dock
2111	AF	211174	Consolidated Aircraft Maintenance
2111	AF	211175	Medium Aircraft Maintenance Dock
2111	AF	211179	Fuel System Maintenance Dock
2111	N	21104	Pre-Engineered Maintenance Hangar
2111	N	21105	Maintenance Hangar - OH Space
2112	AF	211147	Shelter, Aircraft Weapons Calibration
2112	AF	211152	Shop, Aircraft General Purpose
2112	AF	211153	Shop, Non-Destructive Inspection
2112	AF	211154	Shop, Aircraft Maintenance, Organizational
2112	AF	211161	Corrosion Control Utility Storage
2112	AF	211177	Small Aircraft Maintenance Dock
2112	N	21102	Nose Hangar
2112	N	21106	Maintenance Hangar - 01 Space
2112	N	21108	Airframes Shop
2112	N	21115	Line Maintenance Shelter
2112	N	21121	Engine Maintenance Shop
2112	N	21145	Avionics Shop

FAC	Svc	CATCD	CATCODE Title
2112	N	21154	Aviation Armament Shop
2112	N	21165	Airborne Weapons Support Equipment Shop
2112	N	21175	Parachute/Survival Equipment Shop
2113	AF	211159	Aircraft Corrosion Control
2113	N	21103	Corrosion Control Hangar
2114	A	21140	Aircraft Engine Test Building
2114	AF	211183	Test Cell
2114	N	21101	Aircraft Acoustical Enclosure
2115	AF	211116	Hangar, Maintenance Depot
2116	AF	211157	Shop, Jet Engine Inspection and Maintenance
2116	AF	211251	Shop, Turbine Depot
2116	AF	211252	Shop, RAM/Air Depot
2116	AF	211253	Shop, Alternator Drive Overhaul and Test Depot
2116	AF	211254	Shop, Aircraft and Engine Access Overhaul Depot
2116	AF	211256	Shop, Engine Test and Storage Depot
2116	AF	211271	Shop, Instrument Overhaul Depot
2116	N	21110	Aircraft Overhaul and Repair Shop
2116	N	21111	Corrosion Control-Cleaning Shop
2116	N	21112	Paint and Finishing Hangar
2116	N	21113	Aircraft Non-Destructive Testing Shop
2116	N	21114	Aircraft Rework Shop
2116	N	21120	Aircraft Engine Overhaul Shop
2116	N	21122	Engine Preparation and Storage Shop
2116	N	21123	Engine Examination and Evaluation Shop
2116	N	21124	Dedicated Aircraft Engine Overhaul General Process
2116	N	21125	Jet Engine Overhaul Shop
2116	N	21126	Reciprocating Engine Overhaul Shop
2116	N	21127	Turbine Engine Overhaul Shop
2116	N	21130	Aircraft and Engine Accessories Overhaul Shop
2116	N	21131	Dedicated Aircraft & Engine Accessories Oh Gen Proc
2116	N	21132	Metal Components Shop
2116	N	21133	Non-Metal Components Shop
2116	N	21134	Dynamic Components Shop
2116	N	21135	Hydraulic Components Shop
2116	N	21136	Electrical Components Shop
2116	N	21137	Turbine Accessories Shop
2116	N	21138	Pneumatic Oxygen Shop
2116	N	21139	Optical and Photographic Components Shop
2116	N	21140	Electronics, Communication and Armament System Shop
2116	N	21141	Dedicated Electron,Comm & Armament General Process
2116	N	21142	Electronic System Components Shop
2116	N	21143	Inertial Quality Instrument Overhaul Shop
2116	N	21144	Non-Inertial Quality Instrument Overhaul Shop
2116	N	21150	Aircraft Armament/Missile Rework Shop
2116	N	21151	Dedicated Acft Armament/Missile Rework Gen Purpose
2116	N	21152	Aircraft Weapon Overhaul and Test Shop
2116	N	21153	Air Launched Missile Rework Shop
2116	N	21160	Support Equipment Rework Shop
2116	N	21161	Dedicated Support Equipment Rework Gen Purpose Shop
2116	N	21162	Support Equipment Calibration Shop
2116	N	21163	Ground Support Equipment Rework Shop
2116	N	21164	Ground Support Equipment Holding Shed
2116	N	21170	Manufacturing and Repair Shop
2116	N	21171	Dedicated Manufacturing & Repair Gen Purpose Shop
2116	N	21172	Metal Fabrication/Manufacturing Shop

FAC	Svc	CATCD	CATCODE Title
2116	N	21173	Metal Treatment Shop
2116	N	21174	Non-Metal Fabrication/Manufacturing Shop
2116	N	21176	Miscellaneous Parts/Components Repair Shop
2116	N	21180	Test and Calibration Shop
2116	N	21182	Aircraft Weapons Alignment Shelter
2116	N	21184	Helicopter Blade Test Facility
2116	N	21185	Radome Test Facility
2116	N	21186	Radar/Antenna Test Facility
2116	N	21187	Aircraft Weapons Alignment/Boresight Facility
2116	N	21190	Other Support Facilities
2116	N	21192	Covered Ground Check/Flight Test Facility
2116	N	21193	Engineering Laboratory
2116	N	21195	Material and Equipment Staging/Storage Facility
2116	N	21196	Maintenance - Aircraft/Spares Storage
2116	N	21197	Plant Services for Aircraft Overhaul
2116	N	21198	Aircraft Acoustical Enclosure
2118	A	21141	Aircraft Engine Test Structure
2118	AF	211193	Test Stand
2118	N	21181	Engine Test Cell (Non-NARF)
2118	N	21183	Engine Test Cell (NARF)
2118	N	21188	Power Check Pad with Sound Suppression
2118	N	21189	Power Check Pad without Sound Suppression
2118	N	21191	Uncovered Ramp
2118	N	21194	Aircraft Power Check Facilities
2121	AF	212212	Shop, Missile Assembly
2121	AF	212213	Shop, Tactical Missile, Glide Weapon Maintenance
2121	N	21210	Guided Missiles Integration Facility
2121	N	21230	Missile Assembly&Test Building
2121	N	21277	Guided-Missiles-Spares Storage
2123	AF	212215	Missile Run-up Shop
2123	AF	212216	Shop, Missile Service
2123	AF	212217	Shop, Missile Warhead Assembly and Maintenance
2123	AF	212218	Missile Warhead Maintenance Shop
2123	AF	212219	Shop, Missile Battery
2123	AF	212220	Interated Maintenance Facility
2123	AF	212252	Shop, Pilotless Aircraft
2123	N	21220	Missile Equipment-Maintenance Shop
2124	A	14951	Missile Service Tower
2124	N	21240	Missile Component-Sling-Test-Tower
2125	A	21210	Guided Missile Maintenance Building, Depot Level
2125	A	21220	Guided Missile Launcher Equipment Shop, Depot Level
2131	A	21310	Ship Repair Graving Drydock
2131	N	21310	Drydock
2132	A	21320	Marine Railway
2132	AF	213436	Marine Railway
2132	N	21320	Marine Railway
2133	A	21330	Ship Repair Shop
2133	AF	213363	Shop, Marine Maintenance
2133	N	21330	Shore Intermediate-Maintenance Facility
2133	N	21341	Central-Tool Shop
2133	N	21342	Shipfitting Shop
2133	N	21343	Sheet Metal Shop
2133	N	21344	Forge&Heat-Treat Shop
2133	N	21345	Welding Shop
2133	N	21348	Quality-Assurance Office

FAC	Svc	CATCD	CATCODE Title
2133	N	21349	Inside-Machining Shop
2133	N	21350	Optical Shop
2133	N	21351	Weapons Shop
2133	N	21352	Marine-Machining Shop
2133	N	21353	Boilermaking Shop
2133	N	21354	Electrical Shop
2133	N	21355	Pipefittng Shop
2133	N	21356	Woodworking Shop
2133	N	21357	Electronics Shop
2133	N	21358	Boat Shop
2133	N	21359	Abrasive Blast Facility
2133	N	21360	Paint&Blasting Shop
2133	N	21361	Rigging Shop
2133	N	21362	Sail Loft
2133	N	21363	Foundry
2133	N	21364	Pattern Making Shop
2133	N	21366	Temporary-Services Shop
2134	A	21335	Ship Repair Facility
2134	N	21367	Pumphouse, Drydocks
2134	N	21368	Diver-Change-House
2134	N	21370	Waterfront Service-Support Building
2134	N	21375	Amphibian-Vehicle Maintenance Shop
2134	N	21377	Maintenance Ships-Spares Storage
2135	N	21373	Landing Craft Wash Rack
2135	N	21374	Landing Craft Rinse Facility
2136	N	21365	Nuclear Repair Shop
2137	A	21340	Fixed Crane
2137	N	21340	Fixed-Crane Structures
2141	A	21408	Component Cleaning Facility
2141	A	21410	Vehicle Maintenance Shop
2141	A	21411	Repair Bays, Non-DOL/DPW
2141	A	21412	Maintenance Storage, Non-DOL/DPW
2141	A	21413	Administration and Shop Control, Non-DOL/DPW
2141	A	21414	General Item Repair Shop, Non-DOL/DPW
2141	A	21415	Compact Item Repair Shop, Non-DOL/DPW
2141	A	21416	Missile Maintenance Building
2141	A	21417	Vehicle Paint and Prep Shop, Non-DOL/DPW
2141	A	21470	Oil Storage Building, Non-DOL/DPW
2141	AF	214425	Vehicle Maintenance Shop
2141	AF	214467	Shop, Refueling Vehicle
2141	N	21410	Combat-Vehicle Maintenance Shop
2141	N	21420	Automotive-Vehicle Maintenance Shop
2141	N	21430	Refueling-Vehicle Shop
2141	N	21451	Automotive Organizational Shop
2141	N	21453	Field-Maintenance Shop -Tank/Automotive
2142	A	21435	Major End Item Rebuild Shop, Depot Level
2142	A	21440	Component Rebuild Shop, Depot Level
2142	A	21441	Vehicle Maintenance Facility, Depot Level
2142	A	21445	Tank/Automotive Parts Storage, Depot Level
2142	A	21458	Steam Cleaning Building, Depot Level
2142	A	21462	Steam Cleaning Facility, Depot Level
2142	A	21465	Drum Reconditioning Plant, Depot Level
2143	A	21407	National Guard Vehicle Maintenance Shop
2143	A	21419	Combined Support Maint Shop/Mobilization And Training Equip Site
2144	A	21409	Army Reserve Vehicle Maintenance Shop

FAC	Svc	CATCD	CATCODE Title
2144	A	21418	Area Maintenance Support Activity/Equipment Concentration Site
2145	A	14955	Wash Platform, Organizational
2145	A	14960	Grease Rack
2145	AF	214422	Vehicle Service Rack
2145	AF	833358	Garbage Container Washrack
2145	N	21455	Vehicle Wash-Platform
2145	N	21456	Grease Rack
2146	AF	214469	Transporter/Erector Test Facility
2151	AF	215552	Shop, Weapons and Release Systems
2151	N	21560	Field-Maintenance Shop -Ordnance
2152	A	21510	Small Arms Repair Shop, Depot Level
2152	A	21520	Light Gun Shop, Depot Level
2152	A	21522	Weapon Quality Assurance/Calibration Facility, Depot Level
2152	A	21530	Heavy Gun Shop, Depot Level
2152	AF	215553	Shop, Aircraft Weapons Overhaul Depot
2152	AF	215554	Shop, Ordnance Equipment, Depot
2152	AF	215555	Shop, Cartridge Overhaul Depot
2152	N	21510	Small Arms Shop
2152	N	21520	Light-Gun Shop
2152	N	21530	Heavy-Gun Shop
2152	N	21550	Launcher&Projector Maintenance Shop
2152	N	21650	Special Weapons Shop
2153	A	21540	Special Weapons Shop, Depot Level
2153	AF	215582	Shop, Surveillance and Inspection
2154	A	21545	Weapons Repair Facility, Depot Level
2161	A	21670	Ammunition Inspection, Repair, Repacking Building, Installation
2161	N	21655	Air-Weapons Underwater-Weapons Shop
2162	A	21610	Ammunition Renovation Shop, Depot Level
2162	A	21612	Ammunition Surveillance Shop, Depot Level
2162	A	21620	Rocket Overhaul Shop, Depot Level
2162	A	21622	Explosives Receiving/Servicebuilding, Depot Level
2162	A	21630	Ammunition Demolition Shop, Depot Level
2162	A	21640	Dunnage Building, Depot Level
2162	A	21642	Component Cleaning Shop, Depot Level
2162	A	21650	Ammunition Quality Assurance/Calibration Facility, Depot Level
2162	AF	216642	Shop, Conventional Munitions
2162	N	21605	Change/Relief House
2162	N	21610	Ammunition Rework&Overhaul Shop
2162	N	21620	Rocket Rework&Overhaul Shop
2162	N	21630	Mines&Depth-Charge Rework&Overhaul Shop
2162	N	21640	Torpedo Shop
2162	N	21660	Quality Evaluation Laboratory
2162	N	21677	Ammunition-Explosive Maintenance Storage
2163	A	21632	Ammunition Demolition Facility
2163	A	21660	Ammunition Maintenance Facility, Depot Level
2171	AF	217712	Shop, Avionics
2171	AF	217713	ECM POD Shop and Storage
2171	AF	217722	Shop, ICBM/Tactical Air Control Communications Electronics
2171	AF	217742	Air Force Communications Service Maintenance Facility
2171	AF	217752	Shop, Meteorological Equipment
2171	AF	217762	Shop, Navigational Aids
2171	AF	217812	Shop, Range Warning System Communications-Electronics

FAC	Svc	CATCD	CATCODE Title
2171	N	21710	Elecnx&Comm Maintenance Shop
2171	N	21730	Field Maint Shop(Communications/Electronics)(Marine Corps)
2171	N	21777	Electronics-Spares & Miscellaneous Procured Items & Equip
2172	A	21710	Electronics Maintenance Shop, Depot Level
2172	A	21712	Commo/Electronics Quality Assurance/Calibration Facility, Depot Level
2172	A	21722	Communications/Electronics Component Cleaning Shop, Depot Level
2172	A	21730	Radar Maintenance Shop, Depot Level
2172	A	21740	Avionics Maintenance Shop, Depot Level
2172	AF	217735	Shop, Electrical Overhaul and Test Depot
2172	AF	217736	Radome Overhaul & Test Depot
2173	N	21720	Collimation Tower
2173	N	21740	Antenna Test Range -Ships
2173	N	21750	Sensor Accuracy Check Site
2181	A	21835	Repair Bays, DOL/DPW/IMMA/IMMD
2181	A	21845	Administration and Shop Control, DOL/DPW/IMMA/IMMD
2181	A	21855	Vehicle Paint and Prep Shop, DOL/DPW/IMMA/IMMD
2181	A	21865	Oil Storage Building, DOL/DPW/IMMA/IMMD
2181	A	21870	Maintenance Storage, DOL/DPW/IMMA/IMMD
2181	A	21882	General Item Repair Shop, DOL/DPW/IMMA/IMMD
2181	A	21885	Maintenance Shop, General Purpose
2181	A	21887	Compact Item Repair Shop, DOL/DPW/IMMA/IMMD
2181	AF	218712	Aircraft Support Equipment Shop/Storage Facility
2181	N	21850	Battery Shop
2181	N	21851	Battery Recharging Shop
2181	N	21860	Aircraft Ground-Support-Equipment Shop
2181	N	21861	Ground Support Equipment Holding Shed
2181	N	21891	Mobile Van Shop
2182	A	21840	Railroad Equipment/Engine Maintenance Shop
2182	A	21850	Battery Shop
2182	A	21872	Quality Assurance/Calibration Facility, General Purpose, Installation
2182	A	21879	Procured Item/Equipment Maintenance Facility
2182	A	21881	Airborne Equipment/Parachute Repair Shop
2182	AF	218842	Shop and Shelter for Locomotives
2182	AF	218852	Shop, Survival Equipment
2182	AF	218868	Precision Measurement Equipment Lab
2182	N	21810	Container-Repair&Test Building
2182	N	21820	Construction&Weight-Handling Shop
2182	N	21825	Marine Air-Base-Squadron Facility
2182	N	21830	Drum-Reconditioning Plant
2182	N	21835	Cable Repair House
2182	N	21840	Railroad-Equipment Shop
2182	N	21845	Instrument-Calibration Shop
2182	N	21862	Shipboard-Aircraft Support-Equipment Facility
2182	N	21865	Equipment Holding Shed
2182	N	21868	Production-Equipment Maintenance Shop
2182	N	21870	Office-Equipment Office-Appliance Repair Shop
2182	N	21871	Dental-Equipment Maintenance Building
2182	N	21877	Repair Shop Storage
2182	N	21880	Field-Maintenance Shop -General Supply
2182	N	21890	Aviation Support Equipment Shop
2182	N	21892	Aviation Support/Feeder Shop
2191	A	21910	Engineering/Housing Maintenance Shop

FAC	Svc	CATCD	CATCODE Title
2191	A	21922	Entomology Facility
2191	A	21925	Engineer Maintenance Facility
2191	AF	218827	Shop, Furniture Repair Overseas
2191	AF	219943	Base Engineer Pavements and Grounds Facility
2191	AF	219944	Base Engineer Maintenance Shop
2191	AF	219945	Base Engineer Hospital Maintenance Shop
2191	AF	219946	Base Engineer Covered Storage Facility
2191	AF	219947	Base Engineer Storage Shed
2191	N	21910	Public-Works Shop
2191	N	21920	Pavement and Grounds Equipment Shed
2191	N	21925	Public Works Shops Expendable/Work-In-Process Store
2191	N	21930	Painting and Related Operations Building
2191	N	21977	Public-Works Maintenance Storage
2192	N	21931	Paint-Structure - Related Facilities
2192	N	21940	Sewage Hose Storage Facility
2211	A	22110	Aircraft Engine Assembly Plant
2211	A	22120	Airframe Assembly Plant
2211	A	22122	Aircraft Quality Assurance/Calibration Facility
2211	A	22125	Aircraft Production Structure
2211	AF	221221	Production Aircraft
2211	AF	221222	Production Engines
2211	AF	221223	Aircraft Production Support
2211	AF	221227	Aircraft Production Engine Test Facility
2211	AF	221228	Aircraft Production Final Assembly & Checkout
2211	AF	221229	Aircraft Production Component Manufacture
2211	AF	221231	Aircraft Production Engine Overhaul Facility
2211	N	22110	Aircraft Engine-Assembly Plant
2211	N	22120	Airframe-Assembly Plant
2211	N	22130	Aircraft Accessories-Assembly Plant
2221	A	22210	Guided Missile Assembly Plant
2221	A	22220	Guided Missile Handling and Launcher Plant
2221	A	22228	Guided Missile Quality Assurance/Calibration Facility
2221	A	22230	Guided Missile Production Structure
2221	AF	222222	Production Missiles
2221	AF	222223	Guided Missile Production Facility
2221	AF	222224	Guided Missile Production Facility (Engines)
2221	AF	222225	Guided Missile Production Facility (Component Parts)
2221	AF	222226	Guided Missile Production Facility (Assembly)
2221	AF	228229	Plant Cartographic & Geophysic
2221	N	22210	Missile Assembly-Plant
2221	N	22220	Missile Handling Launch Equipment
2231	N	22310	Fabrication&Assembly Building
2232	N	22320	Ship-Building Ways
2233	N	22330	Ship-Building Drydocks
2241	A	22410	Combat Vehicle Assembly Plant
2241	A	22412	Engine Test Building
2241	A	22416	Heat Treating Shop
2241	A	22422	Plating Shop
2241	A	22430	Machine Shop
2241	A	22434	Tank/Automotive Quality Assurance/Calibration Facility
2241	N	22410	Combat-Vehicle Assembly Plant
2241	N	22420	Automotive-Vehicle Assembly Plant
2242	A	22435	Tank/Automotive Production Structure
2251	A	22510	Small Arms Plant
2251	A	22520	Light Gun Plant

FAC	Svc	CATCD	CATCODE Title
2251	A	22525	Forge Shop
2251	A	22530	Heavy Gun Plant
2251	A	22532	Foundry
2251	A	22535	Welding Shop
2251	A	22537	Machine Shop, Weapons
2251	A	22548	Weapons Quality Assurance/Calibration Facility, Production
2251	N	22510	Small-Arms Plant
2251	N	22520	Light-Gun Plant
2251	N	22530	Heavy-Gun Plant
2251	N	22540	Harbor-Protective-Net Plant
2251	N	22550	Launcher&Projector Plant
2251	N	22560	Armor-Plate Plant
2252	A	22565	Weapons Production Structure
2261	A	22610	Bag Charge Filling Plant
2261	A	22612	Acid Manufacturing Plant
2261	A	22614	Lead Azide Manufacturing Plant
2261	A	22616	Explosive Manufacturing Plant
2261	A	22618	Chemical, Biological, Radiological Plant
2261	A	22620	Case Overhaul and Tank Facility
2261	A	22622	Pyrotechnic Production
2261	A	22624	Metal Parts Production
2261	A	22625	Small Caliber Loading Plant (Under 40MM)
2261	A	22626	Bomb High Explosives Filling Plant
2261	A	22628	Metal Parts Loading Plant
2261	A	22630	Minor Caliber Loading Plant (40-75MM)
2261	A	22632	Ammunition Foundry
2261	A	22635	Medium Caliber Loading Plant (76MM-120MM)
2261	A	22638	Ammunition Quality Assurance/Calibration Facility, Production
2261	A	22640	Major Caliber Loading Plant (Over 120MM)
2261	A	22645	Large Caliber Rocket Motor Loading Plant
2261	A	22650	Medium Caliber Rocket Motor Loading Plant
2261	A	22655	Cast High Explosive Filling Plant
2261	A	22660	Special Weapons Plant
2261	A	22665	Ammunition Washout Facility
2261	A	22670	Case Filling Plant
2261	A	22680	Propellant Plant
2261	AF	226226	Production Armament Explosives
2261	AF	226227	Propellants, Fuels, Oxidizers
2261	N	22610	Bag-Charge-Filling Plant
2261	N	22615	Case-Filling Plant
2261	N	22620	Case-Overhaul Tank-Repair Facility
2261	N	22625	40MM-Loading Plant
2261	N	22630	20MM-Loading Plant
2261	N	22635	Major-Caliber Projectile-Loading Plant
2261	N	22640	Medium-Caliber Projectile-Loading Plant
2261	N	22645	Large-Caliber Rocket-Motor-Loading Plant
2261	N	22650	Medium-Caliber Rocket-Motor-Loading Plant
2261	N	22655	Cast-High-Explosives Filling Plant
2261	N	22660	Special-Weapons Plant
2261	N	22665	Propellant&Related-Chemical Plant
2261	N	22670	Ready-Ammunition-Belting Plant
2261	N	22675	Underwater Demolition Equipment Plant
2261	N	22680	Ammunition-Loading Plant
2261	N	22685	Fuse-Assembly Plant
2261	N	22686	Mine-Assembly Plant

FAC	Svc	CATCD	CATCODE Title
2261	N	22688	Pyrotechnic Production Facility
2262	A	22685	Ammunition Production Structure
2262	N	22656	Cast-High-Explosives Filling Facility
2262	N	22666	Propellant&Related-Chemical Facility
2263	N	22935	Powder-Tank/Flake-Tank Storage
2264	A	21512	Weapon Demilitarization Shop, Depot Level
2264	N	22681	Demilitarization Building
2265	N	22682	Demilitarization Facility
2271	AF	227227	Production Electronics and Communication Equipment
2271	AF	227228	Production Space Systems
2271	N	22710	Radio&Radar Equipment Plant
2271	N	22720	Sonar Equipment Plant
2271	N	22730	Guidance Equipment Plant
2271	N	22735	Printed-Circuit Shop
2281	A	22810	Leather/Textile/Clothing Plant
2281	A	22845	Miscellaneous Procured Item Production Structure
2281	AF	228228	Production Miscellaneous Items and Equipment
2281	N	22810	Parachute&Survival-Equipment Plant
2281	N	22820	Construction Equipment Plant
2281	N	22830	Railroad Equipment Plant
2281	N	22960	Baling Facility
2281	N	22977	Maintenance-Production Storage -Ready Issue Etc
2281	N	22980	Container-Assembly Building
2291	A	22910	Asphalt Plant
2291	A	22920	Concrete Plant
2291	A	22930	Quarry/Rock Crusher Plant
2291	A	22940	Sawmill
2291	AF	229982	Asphalt Plant
2291	AF	229984	Concrete Plant
2291	AF	229987	Rock Crusher Plant
2291	N	22910	Asphalt Plant
2291	N	22920	Concrete-Batching Plant
2291	N	22930	Rock-Crusher Plant
2291	N	22940	Sawmill
3101	A	31010	Chemistry Lab
3101	A	31015	Greenhouse, R&D
3101	A	31020	Metallurgy Lab
3101	A	31030	Nuclear Physics and Chemical Lab
3101	A	31040	Physics Lab
3101	A	31050	Human Engineering Lab
3101	A	31062	Dental Research Lab
3101	A	31063	Wildlife Observation Building
3101	A	31065	Climatic Chamber Building
3101	AF	310911	Physics, Science Laboratories
3101	AF	310912	Sonic, Science Laboratories
3101	AF	310913	Astrophysics Science Laboratories
3101	AF	310914	Personnel Research, Science Laboratories
3101	AF	310915	Chemistry Science Laboratories
3101	AF	310916	Ground Electronics Science Laboratories
3101	AF	310917	Nucleonics, Science Laboratories
3101	AF	310919	Geophysics Science Laboratories
3101	AF	310922	Human Engineering Science Laboratories
3101	AF	310923	Solar Science Laboratories
3101	AF	310924	Radiation, Science Laboratories
3101	AF	310925	Aerospace Environment Science Laboratories

FAC	Svc	CATCD	CATCODE Title
3101	AF	310926	Dynamics Equipment Science Laboratories
3101	AF	310927	Meteorology, Science Laboratories
3101	AF	310928	Civil Engineering Science Laboratories
3101	AF	310929	Biological Science Laboratories
3101	AF	310931	Laser, Science Laboratories
3101	AF	310932	Avionics, Science Laboratories
3101	AF	310933	Materials, Science Laboratories
3101	AF	310943	Nuclear Engineering Test Lab
3101	AF	319442	Equipment Research Engineering
3101	N	31011	Astronomy&Astrophysics Laboratory
3101	N	31013	Chemistry&Toxicology Laboratory
3101	N	31015	Materials Laboratory
3101	N	31017	Optics Laboratory
3101	N	31019	Physics Laboratory
3101	N	31021	Radiation-Effects Laboratory
3101	N	31023	Combined-Research Laboratory
3101	N	31025	Biological Laboratory
3101	N	31027	Environmental Laboratory
3101	N	31029	Animal-Applications Laboratory
3101	N	31033	Computation&Analysis Laboratory
3101	N	31037	Ocean-Sciences Laboratory
3102	A	31060	Medical Research Lab
3102	A	31061	Medical Research Lab Animal Shelter
3102	AF	310921	Medical, Science Laboratories
3102	N	31031	Medical Laboratory
3111	A	31110	Aircraft and Flight Equipment Building
3111	AF	311112	Aircraft Dynamic Research Laboratory
3111	AF	311114	Aircraft Dynamic Research Engineering
3111	AF	311115	Aircraft Dynamic Research Test
3111	AF	311171	Aircraft Research Laboratory
3111	AF	311173	Aircraft Research Engineering
3111	AF	311174	Aircraft Research and Testing
3111	N	31110	Aircraft&Flight-Equipment Laboratory
3111	N	31115	Aircraft Navigational-Equipment Laboratory
3111	N	31120	Aircraft Ground-Support-Equipment Laboratory
3111	N	31125	Aircraft Systems-Intergration Laboratory
3121	A	31210	Astronautical and Geophysical Building
3121	A	31220	Guided Missile Building
3121	AF	312472	Missile and Space Research Laboratories
3121	AF	312476	Missile and Space Research Engineering
3121	AF	312477	Missile and Space Research Testing
3121	AF	312941	Satellite Control Station
3121	N	31210	Guided-Missile Laboratory
3121	N	31215	Missile Navigational-Equipment Laboratory
3121	N	31220	Missile Support-Equipment Laboratory
3121	N	31225	Spacecraft/Satellite Laboratory
3121	N	31230	Missile Systems-Intergration Laboratory
3131	N	31310	Ship-and-Marine Laboratory
3131	N	31315	Ships-and-Marine Navigational-Equipment Laboratory
3131	N	31320	Ships-and-Marine Equipment Laboratory
3131	N	31325	Ships and Marine Systems Intergration Laboratory
3141	A	31410	Ground Transport Equipment Building
3141	N	31410	Ground Transportation Equipment Laboratory
3141	N	31415	Other Ground Equipment Laboratory
3151	A	31510	Ordnance Building

FAC	Svc	CATCD	CATCODE Title
3151	AF	315222	Armament Research Ballistic Laboratory
3151	AF	315236	Armament Research Engineering
3151	AF	315237	Armament Research Testing
3151	AF	315944	Weapons Guidance Laboratory
3151	N	31510	Aircraft Weapon Systems Laboratory
3151	N	31515	Ship Weapon System Laboratory
3151	N	31520	Underwater Weapon System Laboratory
3151	N	31525	Ground Weapon Systems Laboratory
3151	N	31530	Weapon Systems Integration Laboratory
3161	A	31610	Chemical Equipment and Material Building
3161	A	31620	Ammunition/Explosives/Toxics Building
3161	AF	316333	Ammunition, Explosives, and Toxics Laboratory
3161	AF	316337	Ammunitions & Explosives Test Facility
3161	N	31610	Ammunition, Explosives and Toxics Laboratory
3171	A	31710	Communication Equipment Building
3171	A	31720	Detection Equipment Building
3171	A	31730	Electrical Equipment Building
3171	A	31740	Electronic Equipment Building
3171	AF	317311	Electronic Research Laboratory
3171	AF	317315	Electronic Research and Engineering
3171	AF	317316	Electronic Research and Testing
3171	AF	317932	Avionics Research Laboratory
3171	N	31710	Communications Systems Laboratory
3171	N	31715	Detection Systems Laboratory
3171	N	31720	Electrical and Electronics Systems Laboratory
3171	N	31725	Electrical, Electronics and Communication Systems Integration Lab
3181	A	31810	Nuclear Propulsion Building
3181	A	31820	Propulsion Systems Building
3181	AF	318612	Propulsion Research Lab, Air Breathing
3181	AF	318614	Propulsion Research Lab, Non Air Breathing
3181	AF	318615	Propulsion Research Lab, Electric
3181	AF	318632	Propulsion Research Lab, Fuel and Lubricants
3181	N	31810	Propulsion Systems Laboratory
3181	N	31815	Propulsion Fuel Laboratory
3191	A	31910	Nonmetallic Material Building
3191	A	31920	Lab and Test Building, General Purpose
3191	A	31930	Vibration Test Lab
3191	AF	319441	Equipment Research Laboratory
3191	AF	319443	Equipment Research Testing
3191	AF	319946	Material Research Test Laboratory
3191	AF	319951	Test Track Building
3191	AF	319995	Research Equipment Storage
3191	N	31910	Miscellaneous Equipment and Items Laboratory
3191	N	31915	RDT&E Storage Laboratory
3191	N	31920	Civil Engineering Laboratory
3191	N	31925	Human Factors Laboratory
3191	N	31930	Survival Equipment and Clothing Laboratory
3191	N	31935	Metrology and Calibration Laboratory
3191	N	31940	Range Operations and Instrumentation Laboratory
3201	N	32010	Underwater Equipment Laboratory
3201	N	32015	Underwater Navigational Equipment Laboratory
3201	N	32020	Underwater Systems Integration Laboratory
3211	A	32110	Precision Machine Shop
3211	AF	321123	Prototype Model Construction and Assembly
3211	N	32110	Technical Services Laboratory

FAC	Svc	CATCD	CATCODE Title
3711	A	37110	RDT&E Range Buildings
3712	A	37120	RDT&E Range Structures
3712	A	39080	RDT&E Range Facilities
3712	AF	371475	Missile Instrumentation Station
3712	AF	371484	Missile Radar Station
3712	AF	371485	Missile Theodolite Station
3712	AF	371486	Missile Communications Station
3712	N	37110	Science Systems Range Facility
3712	N	37111	Aircraft Systems Range Facility
3712	N	37112	Missile and Space Systems Range Facility
3712	N	37113	Ships and Marine Systems Range Facility
3712	N	37114	Tank and Automotive Systems Range Facility
3712	N	37115	Weapons and Weapon Systems Range Facility
3712	N	37116	Ammunition, Explosives and Toxics Range Facility
3712	N	37117	Electronic,Communication & Electrical System Range Facilit
3712	N	37118	Propulsion Systems Range Facility
3712	N	37119	Miscellaneous Items and Equipment Range Facility
3712	N	37120	Underwater Systems Range Facility
3713	AF	371923	Test Range Complex
3901	A	39010	Aircraft and Flight Equipment Facility
3901	A	39014	Astronautical and Geophysical Facility
3901	A	39018	Chemical Equipment and Material Facility
3901	A	39024	Communication Equipment Facility
3901	A	39028	Detection Equipment Facility
3901	A	39030	Electrical Equipment Facility
3901	A	39034	Electronic Equipment Facility
3901	A	39038	Ground Transport Equipment Facility
3901	A	39040	Guided Missile Facility
3901	A	39064	Propulsion Systems Facility
3901	A	39068	Ordnance Facility
3901	AF	390125	Aerodynamics Wind Tunnel, Subsonic
3901	AF	390129	Aerodynamics Wind Tunnel, Hypersonic
3901	AF	390157	Gas Dynamics Wind Tunnel, Supersonic
3901	AF	390171	Aircraft Research Testing
3901	AF	390221	Armament Research Storage
3901	AF	390224	Armament Research Testing, Structural
3901	AF	390311	Electronic Research Radar
3901	AF	390381	Electronic Research Navaid
3901	AF	390531	Missile Launch Test Facility
3901	AF	390551	Missile Landing Test Facility
3901	AF	390562	Missile Storage, Fuel
3901	AF	390611	Propulsion Engine Testing, Fuel Systems
3901	AF	390612	Propulsion Engine Test Stand
3901	AF	390719	Test Track Building
3901	AF	390915	Research Communication Station Complex
3901	N	14945	Missile Launch-Facility
3901	N	39010	Science Systems Facility
3901	N	39011	Aircraft Systems Facility
3901	N	39012	Missile and Space Systems Facility
3901	N	39013	Ships and Marine Systems Facility
3901	N	39014	Tank and Automotive Systems Facility
3901	N	39015	Weapons and Weapons Systems Facility
3901	N	39016	Ammunition, Explosives and Toxics Facility
3901	N	39017	Electronic, Communication and Electrical Systems Facility
3901	N	39018	Propulsion Systems Facility

FAC	Svc	CATCD	CATCODE Title
3901	N	39019	Miscellaneous Items and Equipment Facility
3901	N	39020	Underwater Systems Facility
3902	A	39069	RDT&E Range
3902	A	39075	RDT&E Range Impact Area
3902	A	39076	RDT&E Drop Zone
3903	AF	390127	Aerodynamics Wind Tunnel, Supersonic
3903	AF	390128	Aerodynamics Wind Tunnel, Transonic
3904	AF	390614	Propulsion Engine Test Cell
4111	A	41110	Marine Fuel Storage, Bulk, Above Ground
4111	A	41111	Marine Fuel Storage, Bulk, Underground
4111	A	41120	Aviation Gas Storage, Above Ground
4111	A	41121	Jet Fuel Storage, Above Ground
4111	A	41122	Aviation Gas Storage, Underground
4111	A	41123	Jet Fuel Storage, Underground
4111	A	41130	Diesel Oil/JP8 Storage, Above Ground
4111	A	41131	Diesel Oil/JP8 Storage, Underground
4111	A	41140	Gasoline Storage, Above Ground
4111	A	41141	Gasoline Storage, Underground
4111	A	41150	Liquified Gas Storage, Above Ground
4111	A	41151	Liquified Gas Storage, Underground
4111	A	41160	Liquid Propellant Storage, Above Ground
4111	A	41161	Liquid Propellant Storage, Underground
4111	A	41180	Fuel Oil Storage, Above Ground
4111	A	41181	Fuel Oil Storage, Underground
4111	AF	411123	Demineralized Water Storage
4111	AF	411127	Water/Alcohol Storage
4111	AF	411128	Special Liquids Storage
4111	AF	411131	Aviation Gas Storage
4111	AF	411134	Diesel Fuel Storage
4111	AF	411135	Jet Fuel Storage
4111	AF	411137	Storage Mogas
4111	AF	411139	Storage Special Fuels
4111	N	41110	Ship-Fuel Storage
4111	N	41120	Aviation-Gasoline Storage
4111	N	41130	Diesel-Fuel Storage
4111	N	41140	Motor-Gasoline Storage
4111	N	41150	Jet Engine-Fuel Storage
4111	N	41160	Liquified-Petroleum - Fuel Gas Strg
4111	N	41182	Contaminated-Fuel Storage
4111	N	41184	Bulk-Heating-Fuel Storage
4121	A	41170	Lubricant Storage
4121	A	41210	Liquid Storage Nonpropellant
4121	AF	411132	Aviation Lubricant Storage
4121	AF	411138	Storage Solvents
4121	N	41215	Road-Oil Storage
4121	N	41225	Lubricant Storage
4121	N	41235	Ballast&Sludge Storage
4121	N	41240	Organic-Liquid Storage
4121	N	41245	Miscellaneous-Liquid Storage
4121	N	41250	Industrial/POL Waste Storage Facility
4122	AF	141913	Special Fuel Facility
4122	AF	442258	Liquid Oxygen Storage
4211	A	42104	Explosive Transfer Building, Depot Level
4211	A	42107	Stradley, Nonatomic Blast Resistant, Depot Level
4211	A	42110	Fuse and Detonator Magazine, Depot Level

FAC	Svc	CATCD	CATCODE Title
4211	A	42120	High Explosive Magazine, Depot Level
4211	A	42150	Smokeless Powder Magazine, Depot Level
4211	A	42160	Special Weapons Magazine, Depot Level
4211	A	42170	Guided Missile Magazine, Depot Level
4211	A	42180	Igloo Storage, Depot Level
4211	A	42181	Ammunition Storehouse, Depot Level
4211	A	42182	Small Arms Ammunition Magazine, Depot Level
4211	A	42183	General Purpose Magazine, Depot Level
4211	A	42184	Ammunition Hut, Depot Level
4211	A	42186	Ammunition Storage Structure, Depot Level
4211	A	42288	Ammo Storage Other Than Depot Or Unit
4211	N	42112	Fuse&Detonator Magazine
4211	N	42122	High-Explosive Magazine
4211	N	42132	Inert Storehouse
4211	N	42142	Smokedrum Storehouse
4211	N	42148	Small-Arms Pyrotechnic Magazine
4211	N	42152	Smokeless-Powder-Projectile Magazine
4211	N	42162	Special-Weapons Magazine
4211	N	42172	Missile Magazine
4221	A	42210	Fuse And Detonator Magazine, Installation
4221	A	42215	High Explosive Magazine, Installation
4221	A	42225	Smokedrum Storehouse, Installation
4221	A	42230	Small Arms Ammunition and Pyrotechnics Magazine, Installation
4221	A	42231	Ammunition Storehouse, Installation
4221	A	42235	Ready Magazine, Installation
4221	A	42240	Fixed Ammunition Magazine, Installation
4221	A	42250	Special Weapons Magazine, Installation
4221	A	42260	Guided Missile Magazine, Installation
4221	A	42280	Igloo Storage, Installation
4221	A	42281	Ammunition Hut, Installation
4221	A	42283	General Purpose Magazine, Installation
4221	A	42285	Unit Small Arms Ammunition Storage, Installation
4221	A	42286	Ammunition Storage Structure, Installation
4221	AF	422253	Storage, Multi-Cubicle Magazine
4221	AF	422256	Storage, Rocket Checkout and Assembly
4221	AF	422257	Storage Segregated Magazine
4221	AF	422258	Storage Magazine Above Ground Type A, B, &C
4221	AF	422259	Missile Storage Facility
4221	AF	422264	Storage Igloo
4221	AF	422265	Inert Spares Storage
4221	AF	422271	Storage, Module Barricaded
4221	AF	422273	Storage Igloo Steel Arch Underpass
4221	N	42135	Ready Magazine
4231	A	42310	Liquid Propellant Storage, Ammunition, Building
4231	A	42311	Liquid Propellant Storage, Ammunition, Facility
4231	A	42312	Liquid Propellant Storage, Ammunition, Structure
4231	AF	423111	Liquid Propellant Ammo Storage
4231	N	42310	Liquid-Propellant Storage
4241	A	42410	Battery Cold Storage Building
4241	N	42410	Weapon-Related Battery Storage
4251	A	42510	Ammunition Storage Pad
4251	N	42510	Open-Ammunition-Storage Pad
4251	N	42520	Container-Holding Yard -Empty
4251	N	42530	Barricaded Module (Open)
4311	A	43110	Cold Storage Building, Depot Level

FAC	Svc	CATCD	CATCODE Title
4311	N	43110	Cold-Storage Warehouse
4321	A	43211	Cold Storage Building, Installation
4321	A	43220	Meat Cutting Plant, Installation
4321	AF	432283	Cold Storage, Base
4321	N	74024	Commissary Cold Storage (Detached)
4411	A	44110	Storage Building, General Purpose, Depot Level
4411	A	44170	Underground Storage Facility, Depot Level
4411	A	44182	Vehicle Storage Building, Depot Level
4411	AF	441758	Warehouse Supplies and Equipment Depot
4411	N	44113	MARCOR Logsupbase Warehouse
4411	N	44114	MARCOR Sassy Warehouse
4412	A	44180	Open Warehouse, Depot Level
4412	A	44181	Vehicle Storage Facility, Depot Level
4412	AF	441628	Shed Supplies and Equipment Depot
4413	A	44135	Hazardous Material Storage, Depot Level
4413	A	44150	Flammable Material Storehouse, Depot Level
4413	A	44160	Radioactive Storage Warehouse, Depot Level
4413	AF	441257	Hazardous Storage Depot
4413	N	21199	Hazardous Material Storehouse
4414	A	44130	Controlled Humidity Warehouse, Depot Level
4421	A	44210	Aircraft Production Parts Storage, Installation
4421	A	44220	Storage Building, General Purpose, Installation
4421	A	44224	Organizational Storage Building
4421	A	44250	Underground Storage Facility, Installation
4421	A	44271	Consolidated Housing Furniture Storage
4421	A	44288	Installation Storage Other Than Depot Or Unit
4421	AF	442758	Warehouse Supply and Equipment Base
4421	AF	442765	Warehouse, Troop Subsistence
4421	AF	442768	Warehouse, Forms and Publications, Base
4421	AF	442769	Housing Supplies and Storage Facility
4421	N	44110	General Warehouse
4421	N	44111	General Warehouse - Marcorps
4421	N	44112	Storage Air-Ground-Organic-Units MARCOR
4421	N	44140	Underground Storage
4421	N	44170	Disposal-Salvage-Scrap Building
4421	N	44171	Integrated Logistics Overhaul and Outfitting Building
4421	N	44172	Servmart
4421	N	44173	MTIS Building
4421	N	73077	Personnel-Support Storage(Rdy-Iss/Shop-Stor/Misc)
4421	N	74077	Community Storage (Ready Issue/Shop Stores/Misc)
4422	A	44222	Storage Shed, General Purpose, Installation
4422	AF	442628	Base Supply and Equipment Base
4422	N	44135	General Storage Shed
4423	A	44228	Hazardous Material Storage Building, Installation
4423	A	44240	Flammable Material Storehouse, Installation
4423	A	44260	Radioactive Storage Warehouse, Installation
4423	AF	442257	Base Hazardous Storage
4423	N	44130	Hazardous&Flammables Storehouse
4424	A	44230	Controlled Humidity Warehouse, Installation
4424	N	44120	Controlled-Humidity Warehouse
4425	A	44262	Vehicle Storage Shed, Installation
4425	A	44263	Vehicle Storage Building, Installation
4425	AF	214428	Vehicle Operations Parking Shed
4426	A	44216	Storage Silo
4427	A	44223	Arms Building For Battalion and Above

FAC	Svc	CATCD	CATCODE Title
4427	AF	171141	Armory, Air Force Academy
4427	N	14345	Armory Small-Arms-Ammunition &EM-GR
4511	A	45110	Open Storage Area, Depot Level
4511	AF	451134	Open Storage, Depot
4521	A	45210	Open Storage Area, Installation
4521	AF	452252	Open Storage Base Supply
4521	AF	452255	Base Civil Engineer Open Storage
4521	AF	452258	Open Storage, Air Freight/Traffic Management Surface Freight
4521	AF	452775	Open Storage, Research and Development
4521	AF	821111	Coal Yard
4521	N	45110	Open Storage Area
4521	N	45170	Extraordinary-Supprt-Dispo Storage Area
5100	A	51010	Medical Center/Hospital
5100	AF	510001	Composite Medical Facility
5100	AF	510125	Medical Command and Administration
5100	AF	510126	Medical/Dental Education and Training
5100	AF	510147	Pharmacy
5100	AF	510148	Physical Therapy
5100	AF	510149	Radiology
5100	AF	510176	Environmental Health
5100	AF	510212	Food Service
5100	AF	510275	Nursing Services
5100	AF	510278	Aeromedical Staging Facility
5100	AF	510342	Obstetrical Service
5100	AF	510672	Surgical Service
5100	AF	510712	Hospital Central Sterlization
5100	AF	510713	Medical Logistics
5100	AF	510915	Patient Welfare
5100	AF	530634	Medical Food Inspection
5100	AF	550145	Occupational Health Clinic
5100	N	51010	Hospital
5100	N	51015	Hospital Branch/Annex
5100	N	51020	Hospital Laundry
5302	A	53020	Laboratory
5302	AF	510143	Pathology
5302	AF	530155	Blood Processing Laboratory
5302	AF	530156	Drug Abuse Detection Laboratory
5302	AF	530311	Radiology Health Laboratory
5302	AF	530411	Occupational Environmental Health Laboratory
5302	AF	530511	Clinical Laboratory Epidemiological
5302	AF	540242	Area Dental Laboratory
5302	N	22835	Ophthalmic-Support Building
5302	N	53020	Laboratory
5302	N	53050	Environmental-Prev-Medicine Laboratory
5303	A	53030	Morgue
5303	AF	730911	Mortuary
5303	N	53030	Morgue
5304	A	53040	Veterinary Facility
5304	A	53045	Animal Shelter
5304	A	74076	MWR Kennel
5304	AF	690798	Kennel, Stray Animals
5304	AF	740270	Animal Clinic
5304	N	53040	Animal House Medical
5304	N	53045	Zoonosis-Control Clinic
5306	A	53060	Medical Warehouse

FAC	Svc	CATCD	CATCODE Title
5306	AF	442515	Medical Storage for War Readiness Material
5306	N	51077	Hospital Medical Storage
5307	A	53070	Ambulance Shelter
5307	A	53071	Ambulance Garage
5307	AF	510264	Ambulance Shelter
5307	N	14310	Emergency Vehicle Garage
5400	A	54010	Dental Clinic
5400	AF	540243	Dental Clinic
5400	N	54010	Dental Clinic
5500	A	53025	Pharmacy
5500	A	55010	Troop Dispensary/Health Clinic
5500	AF	510175	Aerospace Medicine
5500	AF	510411	Air Force Clinic
5500	AF	550147	Medical aid Station
5500	N	53010	Clinic Out-Patient
5500	N	55010	Medical Clinic
6100	A	61050	Administrativebuilding, General Purpose
6100	A	61055	Waiting Area
6100	A	61065	Technical Library
6100	A	61070	Red Cross Building
6100	A	61075	Courtroom
6100	AF	171356	Technical and Professional Library
6100	AF	171822	Recruit Processing
6100	AF	610111	Area Defense Council Office
6100	AF	610112	Law Center
6100	AF	610119	Family Housing Management Office
6100	AF	610121	Vehicle Operations Administration
6100	AF	610122	Base Supply Administration
6100	AF	610123	Air Force Plant Administration Office
6100	AF	610127	Base Engineer Administration
6100	AF	610128	Base Personnel Office
6100	AF	610129	Weapon System Maintenance Management Facility
6100	AF	610142	Traffic Management Facility
6100	AF	610144	Munitions Maintenance Administration
6100	AF	610241	Orderly Room in Dormitory
6100	AF	610249	Wing Headquarters
6100	AF	610281	Headquarters Center
6100	AF	610282	Headquarters Air Force
6100	AF	610284	Headquarters Major Command
6100	AF	610285	Headquarters Numbered Air Force
6100	AF	610286	Headquarters Named/Numbered Division
6100	AF	610287	Headquarters Specified
6100	AF	610311	Documentation Staging Facility
6100	AF	610675	Logistics Facility Depot Operations
6100	AF	610811	Administrative Office, Non Air Force
6100	AF	610911	Social Actions Facility
6100	AF	610913	Disaster Preparedness
6100	AF	610915	Air Force Office of Special Investigations
6100	AF	740717	Red Cross Office
6100	N	17160	Recruit Processing Building
6100	N	61010	Administrative Office
6100	N	61030	Classified Matter Incinerator/Shredder and Building
6100	N	61040	Legal Services Facility
6100	N	61070	Division-Wing Headquarters -CMC Only
6100	N	61077	Administrative Storage (Rdy Iss/Shop Str/Misc)

FAC	Svc	CATCD	CATCODE Title
6100	N	74012	Red-Cross Navy-Relief
6101	A	14185	Company Headquarters Building
6101	N	61073	Company-Battery Headquarters -CMC Only
6102	A	14182	Brigade Headquarters Building
6102	A	14183	Battalion Headquarters Building
6102	AF	610243	Headquarters, Group
6102	N	61071	Regimental-Group Headquarters -CMC Only
6102	N	61072	Battalion-Squadron Headquarters -CMC Only
6103	A	13185	Print Plant Building
6103	AF	228231	Plant Lithographic Distr Production
6103	AF	610717	Printing Plant
6103	AF	610718	Plant Reproduction
6103	N	22950	Printing Plant
6104	A	13131	Information Processing Center
6104	AF	610711	Data Processing Installation
6104	N	14340	Computer-Program Operations Center
6104	N	61020	Data-Processing-Center
6200	A	62010	Underground Administrative Facility
6200	N	62010	Administrative Facility -Underground
6200	N	62020	Data-Processing-Center - Underground
6200	N	62077	Administrative Storage -Underground-Misc
6900	A	69010	Flagpole
6900	A	69020	Information Stand
6900	A	69030	Facility Information Sign
6900	AF	690252	Bill Board
6900	AF	690432	Base Flag Pole
6900	AF	690792	Covered Review Stand
6900	AF	690795	Open Review Stand
6900	N	69010	Flagpole Billboard Marker
6900	N	69015	Saluting-Battery Gun-Mount
6900	N	69025	Reviewing Stand
6900	N	69030	Classified Material Incinerator/Shredder (No Building)
7110	A	71111	Family Housing, General Officer
7110	A	71112	Family Housing, Colonel
7110	A	71113	Family Housing, Lt Colonel and Major
7110	A	71114	Family Housing, Company Grade and Warrant Officer
7110	A	71115	Family Housing, Senior NCO
7110	A	71116	Family Housing, Junior NCO/Enlisted
7110	A	71117	Family Housing, Other Than Military
7110	AF	711111	Family Housing Capehart
7110	AF	711121	Family Housing Wherry
7110	AF	711131	Family Housing Lanham
7110	AF	711142	Family Housing Appropriated FY 70 and After
7110	AF	711143	Family Housing Appropriated FY 50-69
7110	AF	711144	Family Housing Appropriated Pre FY 1950
7110	AF	711151	Family Housing Surplus Commodity
7110	AF	711161	Family Housing Deutchmark
7110	AF	711171	Family Housing Yen
7110	AF	711181	Family Housing Other
7110	AF	711191	Family Housing Relocatable
7110	AF	711211	Rent Guarrantee Family Housing
7110	AF	711221	Family Housing Leased
7110	AF	711231	Family Housing USA
7110	AF	730775	Rectory
7110	N	71120	Wherry Housing - Enlisted

FAC	Svc	CATCD	CATCODE Title
7110	N	71121	Wherry Housing - WO-thru-O3
7110	N	71122	Wherry Housing - O4&O5
7110	N	71123	Wherry Housing - O-6
7110	N	71124	Wherry Housing - O-7 thru O-10
7110	N	71125	Capehart Housing - Enlisted
7110	N	71126	Capehart Housing - WO-thru-O3
7110	N	71127	Capehart Housing - O4&O5
7110	N	71128	Capehart Housing - O-6
7110	N	71129	Capehart Housing - O-7 thru O-10
7110	N	71130	Fund Housing 1950-thru-1969 -Enlisted
7110	N	71131	Fund Housing 1950-thru-1969 -WO-thru-O3
7110	N	71132	Fund Housing 1950-thru-1969 -O4&O5
7110	N	71133	Fund Housing 1950-thru-1969 -O6
7110	N	71134	Fund Housing 1950-thru-1969 -O7-thru-O10
7110	N	71135	Leased Housing - Enlisted
7110	N	71136	Leased Housing - WO-thru-O3
7110	N	71137	Leased Housing - O4&O5
7110	N	71138	Leased Housing - O-6
7110	N	71139	Leased Housing - O-7 thru O-10
7110	N	71140	Fund Housing Before-1950 -Enlisted
7110	N	71141	Fund Housing Before-1950 -WO-thru-O3
7110	N	71142	Fund Housing Before-1950 -O4&O5
7110	N	71143	Fund Housing Before-1950 -O6
7110	N	71144	Fund Housing Before-1950 -O7-thru-O10
7110	N	71150	Surplus-Commodity Housing -Enlisted
7110	N	71151	Surplus-Commodity Housing -WO-thru-O3
7110	N	71152	Surplus-Commodity Housing -O4&O5
7110	N	71153	Surplus-Commodity Housing -O6
7110	N	71154	Surplus-Commodity Housing -O7-thru-O10
7110	N	71155	Foreign-Source Housing Enlisted
7110	N	71156	Foreign-Source Housing -WO thru O-3
7110	N	71157	Foreign-Source Housing -O-4&O-5
7110	N	71158	Foreign-Source Housing -O-6
7110	N	71159	Foreign-Source Housing -O-7 thru O-10
7110	N	71160	Inadequate Lanham Housing - P.L. 85-241
7110	N	71161	Inadequate Lanham Housing - P.L. 849/76Th Cong
7110	N	71162	Inadequate Rental Housing - Pre FY 1967
7110	N	71163	Inadequate Title-III Housing - P.L. 1020/84Th Cong
7110	N	71164	Wherry Housing - Unacquired
7110	N	71165	Rental-Guarentee Housing
7110	N	71170	Fund Housing After-1969 -Enlisted
7110	N	71171	Fund Housing After-1969 -WO-thru-O3
7110	N	71172	Fund Housing After-1969 -O4&O5
7110	N	71173	Fund Housing After-1969 -O6
7110	N	71174	Fund Housing After-1969 -O7-thru-O10
7110	N	71175	Manufactured Housing,Enlisted
7110	N	71176	Manufactured Housing,Officer
7110	N	71178	Family Housing-Base Operating Support Contractor
7120	A	71210	Family Housing Trailers
7120	AF	712244	Family Housing Trailer
7120	N	71145	Relocatable Housing - Enlisted
7120	N	71146	Relocatable Housing - WO-thru-O3
7120	N	71147	Relocatable Housing - O4&O5
7120	N	71148	Relocatable Housing - O-6
7120	N	71149	Relocatable Housing - O-7 thru O-10

FAC	Svc	CATCD	CATCODE Title
7120	N	71210	Trailers-Inadequate
7130	A	71310	Trailer Sites
7130	AF	713366	Trailer Court Parking
7130	N	71310	Trailer-Sites -for Govt Owned Trlrs
7130	N	71311	Trailer-Sites -for Prvt Owned Trlrs
7141	A	71410	Garage, Family Housing, Detached
7141	A	71411	Carport, Family Housing
7141	AF	711311	Family Housing w/Attached Garage
7141	AF	711312	Family Housing Attached Carport
7141	AF	714431	Garage, Family Housing, Detached
7141	AF	714432	Family Housing Detached Carport
7141	N	71410	Garages Detached -Family Housing
7141	N	71420	Detached Carports
7142	A	71420	Detached Storage Building, Family Housing
7142	AF	714433	Family Housing Detached Storage
7142	N	71477	Housing - Detached Miscellaneous Storage
7143	N	71430	Family-Housing -Other Detached Buildings
7143	N	71431	Family-Housing -Other Detached Facilities
7143	N	71432	Community Center
7143	N	71433	Housing Welcome Center (HWC)
7145	A	71450	Trailer Park Service Building
7145	AF	713352	Mobile Home Court Support Facility
7146	AF	714122	Attendants Dining Hall
7146	AF	714124	Attendants Sanitary Facilities
7146	AF	714128	Attendant Quarters
7210	A	72111	Enlisted Unaccompanied Personnel Housing
7210	A	72170	Unaccompanied Personnel Housing, Senior NCO
7210	AF	721312	Dormitory Airman Permanent Party/PCS-Student
7210	N	72111	Bachelor Enlisted Quarters E1/E4
7210	N	72112	Bachelor Enlisted Quarters E5/E6 (Marine Corps E-5 Only)
7210	N	72113	Bachelor Enlisted Quarters E7 thru E9 (Marine Corps E6/E9)
7210	N	72124	Bachelor Enl Qtrs-Marines E1/E4
7210	N	72125	Bachelor Enl Qtrs-Marines E5
7210	N	72126	Bachelor Enl Qtrs-Marines E6/E9
7210	N	72130	Civilian Barracks -GS 01 thru 06
7210	N	72131	Civilian Barracks-Base Operating Support Contractor
7210	N	72146	Berthing - Naval Home
7212	AF	721315	Dormitory Visiting Airman Quarters
7212	N	72121	Bachelor Enl Qtrs-Transient E1/E4
7212	N	72122	Bachelor Enl Qtrs-Transient E5/E6
7212	N	72123	Bachelor Enl Qtrs-Transient E7/E9
7212	N	72153	Transient Personnel Unit Barracks E7-9
7213	A	72121	Transient UPH, Advanced Individual Trainees (AIT)
7213	A	72122	Transient UPH, Advanced Skills Trainees (AST)
7213	N	72114	Class A Student Barracks
7213	N	72117	Officer Candidate School Barracks
7213	N	72118	Naval Academy Preparatory School Barracks
7213	N	72119	Broadened Opportunity For Officer Selection Training Barracks
7213	N	72424	Officer Indoctrination School Barracks
7214	A	72114	Enlisted Barracks, Annual Training
7214	A	72115	Enlisted Barracks, Mobilization
7218	A	72181	Trainee Barracks
7218	AF	721311	Recruits Dormitory
7218	N	72115	Recruit-Type Barracks
7220	A	72210	Dining Facility

FAC	Svc	CATCD	CATCODE Title
7220	AF	721215	Dining Hall in Airman Dormitory
7220	AF	722345	Fast Food Service
7220	AF	722351	Airman Dining Hall - Detached
7220	AF	722356	Dining Hall, Officer, Detached
7220	N	72145	Dining-Facility -Built-In/Attached
7220	N	72210	Enlisted Dining-Facility
7220	N	72231	Dining-Facility -Detached-Civ Pers
7220	N	72241	Dining-Facility -Detached-Com Pers
7220	N	72430	Commissioned-Officers Mess -Closed(Blt-In/Atchd)
7231	A	72310	UPH Laundry Building, Detached
7231	A	72360	Miscellaneous Facilities, Detached
7231	AF	723155	Dayroom Lounge
7231	N	72330	Laundry Detached
7231	N	72360	Troop-Housing -Other Detached Buildings
7231	N	72377	Troop Housing Storage (Ready Issue/Shop Stores/Misc.)
7232	A	72350	Garage, UPH, Detached
7232	A	72351	Carport, UPH
7232	AF	723242	Garage Automobile
7232	N	72340	Garages Detached -Bachelor Housing
7233	AF	723385	Kitchen, Central Preparation
7233	AF	723388	Flight Kitchen
7233	N	72250	Cold-Storage -Detached-From-Galley
7234	AF	723392	Sanitary Latrine
7234	N	72320	Latrine Detached
7235	AF	750663	Privately Owned Vehicle Washrack
7235	N	72350	Wash-Rack Detached
7235	N	72361	Troop-Housing -Other Detached Facilities
7240	A	72410	Unaccompanied Officers Quarters, Military
7240	AF	724415	Officer's Quarters
7240	N	72411	Bachelor Officers' Quarters W1-W2/O1-O2, Permanent Party
7240	N	72412	Bachelor Officers' Quarters W3-W5/O-3 And Above, Permanent Party
7240	N	72422	Civilian Quarters -GS 07 and Above
7240	N	72423	Civilian Quarters-Base Operating Support Contractor
7241	A	72412	Annual Training Officers Quarters
7241	AF	724417	Visiting Officer's Quarters
7241	AF	724433	Cadet Quarters
7241	N	72413	Bachelor Officers' Quarters W1-W2/O1-O2, Transient
7241	N	72414	Bachelor Officers' Quarters W3-W5/O-3 And Above, Transient
7250	A	72510	Hutment
7250	AF	725513	Civilian Camp
7250	AF	725517	Camp Troop
7250	N	72510	Troop-Housing -Emergency Building
7251	A	72520	Tent Pad
7251	N	72511	Troop-Housing -Emergency Facility
7311	A	73010	Fire Station
7311	A	73011	Detached Fire Station Support Building
7311	AF	730142	Fire Station
7311	AF	730145	Fire Observation Tower and Comm Center
7311	AF	730147	Fire Hose House
7311	N	73010	Fire Station
7311	N	73011	Fire-Hose-Drying Structure
7311	N	73012	Fire-Cart/Hose-Drying Facility
7312	A	73015	Confinement Facility
7312	AF	721121	Personnel Rehab Center Facility

FAC	Svc	CATCD	CATCODE Title
7312	AF	721123	Federal Prison Facility
7312	AF	730831	Correction Facility
7312	N	72140	Disciplinary Barracks
7312	N	73015	Confinement Facility
7313	A	73016	Police/MP Station
7313	AF	730832	Visitor Control Center
7313	AF	730833	Security Police Central Control
7313	AF	730835	Security Police Operations
7313	N	73020	Police Station
7314	A	73028	Drug and Alcohol Abuse Center
7314	N	73081	Rehabilitation Center for Drugs & Alcohol
7321	A	73021	Garrison Bread and Pastry Kitchen
7321	AF	730182	Bakery
7321	AF	730186	Pastry Kitchen
7321	N	73030	Bakery
7322	A	22960	Ice Plant
7322	A	73022	Milk Processing Plant
7322	AF	730724	Ice Plant
7322	AF	730725	Ice Cream Plant
7322	N	73078	Dairy Plant
7322	N	89027	Icemaking Plant
7323	A	74029	Greenhouse
7331	A	74051	Exchange Cafeteria
7331	A	74062	Fast Food/Snack Bar
7331	AF	740381	Exchange Cafeteria Snack Bar
7331	N	74004	Exchange Cafeteria
7331	N	74005	Exchange Snack-Stand
7332	A	74012	Cafeteria
7332	A	74013	Canteen
7332	A	74060	Break/Lunch Room
7332	A	74064	Post (Installation) Restaurant
7332	AF	740735	Restaurant , Base
7332	N	73036	Lunch/Locker Room
7332	N	74026	Installation Restaurant
7333	A	74046	Consolidated Open Dining Facility
7333	A	74047	Enlisted Open Dining Facility
7333	A	74048	Officer Open Dining Facility
7333	AF	740612	Open Mess, Airmen
7333	AF	740615	Consolidated Mess
7333	AF	740617	Enlisted Open Mess
7333	AF	740618	Officer Open Mess
7333	N	74060	Commisioned Officers' Mess Open
7333	N	74063	Enlisted-Personnel Club E1-E3
7333	N	74064	Enlisted-Men Mess-Open -E1 thru E-9
7333	N	74066	Petty-Officers Mess-Open -Staff NCO Club
7333	N	74067	Consolidated Officer/Enlisted Personnel Mess Open
7333	N	74069	Petty-Officers Mess-Open -E4-E5-E6-NCO/Club
7333	N	74070	Petty-Officers Mess-Open -Cheif-E7 thru E9
7340	A	74078	Thrift Shop
7340	AF	740255	Thrift Shop
7340	N	74034	Thrift Shop
7341	A	73013	Bus Station
7341	AF	730277	Bus Station
7341	N	73067	Bus Station
7342	A	14175	Industrial Laundry

FAC	Svc	CATCD	CATCODE Title
7342	A	73030	Laundry/Dry Cleaning Facility
7342	A	73032	Laundry/Dry Cleaning Pick-Up Point
7342	AF	730551	Laundry-Dry Cleaning, Base
7342	AF	730652	Base Dry Cleaning
7342	AF	730711	Base Laundry
7342	AF	730713	Laundry Depot
7342	AF	740384	Exchange Laundry and Drycleaning Plant
7342	N	73040	Laundry/Dry-Cleaning Plant
7342	N	74013	Exchange Laundry-Plant
7342	N	74015	Exchange Dry-Cleaning-Plant
7343	A	74020	Military Clothing Sales Store
7343	AF	218882	Recruit Tailoring Shop
7343	AF	730717	Clothing Store
7343	N	73013	Issue-Retail Clothing&Uniform Center
7343	N	73042	Recruit Tailoring Shop
7344	A	73072	Post Office Branch
7344	A	73073	Post Office, Main
7344	AF	730443	Post Office
7344	N	73085	Post Office
7345	A	74052	Exchange Automotive Service Station
7345	AF	740383	Exchange Service Station
7345	N	74007	Exchange Auto Parts Store (Overseas)
7345	N	74030	Exchange Service&Auto-Repair Station
7345	N	74031	Exchange Supplemental-Gasoline Station
7346	A	74050	Exchange Branch
7346	A	74053	Exchange Main Retail Store
7346	A	74056	Exchange Service Outlet
7346	A	74058	Exchange Concession
7346	AF	740111	Enclosed Mall
7346	AF	740262	Store, Book
7346	AF	740267	Cadet Store
7346	AF	740269	Base Package Store
7346	AF	740379	Exchange Amusement Center
7346	AF	740382	Exchange Branch
7346	AF	740388	Exchange Sales Store
7346	AF	740389	Exchange Service Outlet
7346	AF	740731	Public Shopping Center
7346	N	74001	Exchange Retail-Store
7346	N	74002	Location Exchange (Dispersed Locations/Remote Activities)
7346	N	74008	Exchange Food-Store
7346	N	74009	Exchange Service-Outlets(Barber,Cobbler,Tailor,Etc)
7346	N	74071	Class-VI-Package Store
7347	A	74006	Bank
7347	A	74023	Credit Union
7347	AF	740153	Bank Branch
7347	AF	740155	Credit Union
7347	N	74018	Bank
7347	N	74019	Credit Union
7348	A	74018	MWR Car Wash Building
7348	A	74019	MWR Car Wash
7348	A	74059	Exchange Car Wash
7348	N	74032	Exchange Customer-Operated Car-Wash
7349	A	74021	Commissary
7349	AF	740266	Store, Commissary
7349	N	74023	Commissary (Including Back-Up Storage)

FAC	Svc	CATCD	CATCODE Title
7349	N	74083	Commissary Distrubution Center
7351	A	74025	Army Continuing Education System Facility
7351	AF	730441	Education Center
7351	N	74088	Educational-Services Office
7352	A	73046	Dependent School
7352	AF	730784	School, Dependent Elementary
7352	AF	730785	Dependent High School
7352	AF	730786	Dependent Intermediate School
7352	AF	730788	School, Dependent Kindergarten
7352	N	73050	Dependent School - Kindergarten
7352	N	73055	Dependent School - Gradeschool
7352	N	73060	Dependent School - Highschool
7353	AF	730781	Dep School Dining Hall
7353	AF	730782	Dep School Dorm
7353	AF	730783	Dependent Detached Sport School
7361	A	73017	Chapel
7361	AF	730771	Chapel, Base
7361	AF	730773	Chapel Center
7361	AF	730774	Hospital Chapel
7361	N	73083	Religious Ministry Facilities
7362	A	73018	Religious Education Facility
7362	A	73019	Family Life Center
7362	AF	730772	Religious Education Facility
7362	N	73084	Religious Education Building
7371	A	74014	Child Development Center
7371	AF	730789	School, Dependent Nursery
7371	AF	740884	Child Development Center
7371	N	73045	Dependent School - Nursery School
7371	N	74074	Child Development Center
7372	A	74033	Army Community Services Center
7372	AF	740253	Family Support Center
7372	N	74025	Family-Services-Center
7380	A	74079	Homeless Support Shelter
7381	A	73012	Fire Tower
7381	AF	730151	Forestry Guard Station
7382	A	14178	Employee Changing Building
7382	N	73035	Enlisted Men's Locker Room
7383	A	73050	Air Raid/Fallout Shelter
7383	AF	690625	Troop Shelter
7383	N	73065	Fallout Shelter
7384	A	73056	Smoking Shelter
7384	A	73070	Miscellaneous Shed
7384	AF	730275	Bus Shelter
7384	AF	860616	Railroad Shelter Personnel
7384	N	73066	Personnel Weather-Shelters
7385	A	73075	Separate Toilet/Shower Building
7385	AF	750811	Swimmers Bath House
7385	N	73075	Public Toilet
7385	N	74089	Bathhouse
7386	A	73080	Ceremonial Hall
7387	A	74054	Exchange Maintenance Shop
7387	AF	740385	Exchange Maintenance Shop
7387	AF	740386	Exchange Administration
7387	AF	740396	Central Exchange Administration
7387	AF	740398	Central Exchange Support Facility

FAC	Svc	CATCD	CATCODE Title
7387	N	74003	Exchange Central-Administration (At Designated Exchange)
7387	N	74016	Exchange Maintenance-Shop (Equip/Fxture Rpr)
7387	N	74017	Exchange Central-Support-Fac
7387	N	74029	Area-Regional Exchange Administration Building
7388	A	74055	Exchange Warehouse
7388	AF	740387	Exchange Retail Warehouse
7388	AF	740397	Central Exchange Warehouse
7388	N	74085	Exchange Central-Warehouse
7388	N	74086	Exchange Installation-Warehouse
7389	A	73074	Privately Owned Vehicle Inspection Station
7411	A	74022	Skill Development Center, Non-Automotive
7411	AF	740664	Arts and Crafts Center
7411	N	74035	Hobby-Shop -Amatuer Radio
7411	N	74036	Hobby-Shop -Arts&Crafts
7412	A	74024	Automotive Skills Center
7412	AF	740665	Hobby Shop Automotive
7412	N	74038	Hobby-Shop -Automotive
7413	A	74030	Sports Pro Shop
7413	A	74031	Golf Course Maintenance Building
7413	AF	750422	Golf Clubhouse
7413	AF	750423	Golf Equipment Building
7413	N	74080	Golf Club-House
7414	A	74003	Non-Appropriated Fund (NAF) Sales Outlet
7414	A	74085	Private/Organizational Club Building
7414	AF	740315	Rod & Gun Club
7414	AF	740317	Aero Club
7414	N	74075	Aero-Club Facility
7415	A	74011	Bowling Center
7415	AF	740671	Bowling Center
7415	N	74040	Bowling Center
7416	A	74040	Library Branch
7416	A	74041	Library Main
7416	AF	740675	Base Library
7416	N	74076	Library
7417	A	74066	Youth Center
7417	A	74068	Recreation Center
7417	AF	740316	Recreation Center
7417	AF	740668	Miscellaneous Recreation Building
7417	AF	740669	Multi Purpose Recreation Building
7417	AF	740681	Cadet Social Center
7417	AF	740732	Restaurant Fund MWR Facility
7417	AF	740733	Civilian Fund MWR Building
7417	AF	740883	Youth Center
7417	N	74028	Amusement Center
7417	N	74042	Fleet Recreation Center (For Ship Personnel, Near Piers)
7417	N	74054	Recreation Center
7417	N	74055	Youth Center (For Social Activities of 6-19 Year Olds)
7418	A	74070	Indoor Roller Skating Rink
7418	A	74082	Indoor Ice Skating Rink
7418	AF	740678	Skating Rink
7418	N	74046	Skating Rink
7421	A	74028	Physical Fitness Center
7421	A	74069	Community Fitness Center
7421	AF	740673	Field House
7421	AF	740674	Gymnasium

FAC	Svc	CATCD	CATCODE Title
7421	N	74043	Gymnasium
7421	N	74044	Indoor Physicat Fitness Facility
7421	N	74045	Fitness Center
7421	N	74050	Field House
7421	N	74084	Indoor Playing Courts
7422	A	74072	Indoor Swimming Pool
7422	AF	740677	Swimming Pool, Indoor
7422	N	74053	Indoor Swimming Pool
7431	A	74010	Auditorium, General Purpose
7431	AF	740873	Theater, Base
7431	N	17125	General Purpose Auditorium
7431	N	74039	Entertainment Workshop (Drama & Music Center)
7431	N	74056	Theater
7441	A	53080	Fisher House
7441	A	72010	Transient Housing
7441	A	72120	Transient Unaccompanied Personnel Housing
7441	A	72411	Unaccompanied Officers Quarters, Military Transient
7441	A	74032	Guest House
7441	AF	740443	Transient Lodging Facility, Appropriated
7441	AF	740455	Transient Family Aerial Port
7441	AF	740457	Transient Lodging Facility, NA
7441	N	72151	Transient Personnel Unit Barracks E1-E4
7441	N	72152	Transient Personnel Unit Barracks E5-E6
7441	N	74020	Temporary Lodging
7441	N	74022	Transient Housing
7442	A	74036	Recreational Billets
7442	AF	740666	Recreation Site Lodging
7442	N	74081	MWR Operated Rental Cabins
7443	A	74087	Recreation Park Service Building
7443	AF	740459	Transient Lodging Support Facility
7443	AF	750612	Family Camping Support Facility
7444	A	74049	Riding Stable
7444	AF	750583	Riding Stables
7444	N	74079	Riding Stable
7445	A	74009	Boat House
7445	N	74087	Boathouse
7446	A	74034	Community/Conference Center
7446	A	74035	Conservation Building
7446	A	74080	Self Storage Rental Facility
7446	N	74021	Visitors-Reception-Center -at Recruit Trng Ctr Only
7447	A	74065	Recreational Equipment Checkout
7447	A	74075	Recreational Support Building
7447	A	74089	Outdoor Pool Service Building
7447	AF	740672	MWR Supply and NAF Central Storage
7447	AF	750819	Swimming Pool Water Treatment
7447	N	74033	Information, Ticket And Tours (Pleasure/Unofficial Travel)
7447	N	74037	Special-Services Issue&Office
7447	N	74047	Recreation Information, Tickets and Tour Office
7447	N	74048	Contracted Leisure Travel Agency
7447	N	74052	Gun-Skeet-Trap Building
7447	N	74082	Public Telephone Facility
7511	A	75018	Playground, General Purpose
7512	A	75030	Outdoor Swimming Pool
7512	AF	750812	Swimming Pool, Consolidated
7512	AF	750813	Airman Swimming Pool

FAC	Svc	CATCD	CATCODE Title
7512	AF	750815	NCO Swimming Pool
7512	AF	750817	Officer Swimming Pool
7512	N	75030	Outdoor Swimming Pool
7512	N	75031	Outdoor Swimming Pool - Officer
7512	N	75032	Outdoor Swimming Pool -PO
7512	N	75034	Wading Pool
7513	A	75040	Golf Course, 18-Hole
7513	A	75041	Golf Course, 9-Hole
7513	A	75046	Golf Course, 27-Hole
7513	A	75047	Golf Course, 36-Hole
7513	A	75048	Golf Course, 45-Hole
7513	AF	750426	Golf Course, 9 Hole
7513	AF	750427	Golf Course, 18 Hole
7513	N	75040	Golf Course
7514	A	75042	Driving Range
7514	AF	750429	Golf Driving Range
7514	N	75056	Driving Range - Golf
7515	A	75043	Pitch and Putt, 18-Hole
7515	A	75044	Pitch and Putt, 9-Hole
7516	A	75085	Recreation/Picnic Area
7516	N	75057	Recreation Grounds (Picnics, Playgrounds, Etc.)
7517	A	75070	Recreational Pier/Platform
7517	N	75061	Recreational Pier
7518	N	75060	Marina
7521	A	75011	Court Area
7521	AF	750347	Court, Tennis
7521	AF	750349	Court, Recreation
7521	N	75010	Outdoor Playing Courts
7522	A	17992	Physical Education Training Fields
7522	A	75020	Baseball Field
7522	A	75021	Softball Field
7522	A	75022	Multipurpose Athletic Field
7522	AF	750172	Athletic Field, Baseball
7522	AF	750175	Athletic Field, Football/Soccer
7522	AF	750178	Athletic Field, Softball
7522	AF	750179	Athletic Field, Standard
7522	N	75020	Playing Field -Baseball-Football Etc
7523	A	75027	Running Track
7523	AF	750177	Athletic Field, Track
7524	A	75060	Stadium
7524	AF	750211	Stadium
7531	A	75052	Recreational Shelter
7531	AF	750371	Recreation Pavilion
7531	N	74078	Recreation Pavilion
7531	N	75054	Band Stand
7532	A	75050	Outdoor Theater
7532	AF	750835	Theater, Outdoor
7532	N	75050	Outdoor Theatre
7541	A	75086	Recreational Trailer Park/Campground
7541	AF	750611	Family Camping Area
7541	N	75058	Campground
7542	A	75017	Outdoor Ice Skating Rink
7542	A	75024	Archery Range
7542	A	75025	Skeet Field
7542	A	75028	Outdoor Roller Skating Rink

FAC	Svc	CATCD	CATCODE Title
7542	A	75029	Skateboard Park
7542	A	75033	Vehicle Race Track
7542	A	75036	Riding Arena
7542	A	75045	Miniature Golf Course
7542	A	75061	Grandstand/Bleachers
7542	A	75062	Ski Lift
7542	A	75065	Jogging/Fitness/Bike Trail
7542	A	75071	Outdoor Community Fitness Center
7542	A	75087	Boat Ramp
7542	A	75088	Batting Cage
7542	A	75089	Steam Cleaning Facility, Mwr
7542	AF	750348	Platform Tennis
7542	AF	750581	Miscellaneous Outdoor Recreation Facility
7542	AF	750582	Civilian Outdoor Recreation Facility
7542	N	75033	Pool Pump-Filter-Trtmt Facility(Remote)
7542	N	75052	Skeet Range
7543	A	75080	Fish And Wildlife Management Area
7601	A	76010	Museum
7601	AF	171155	Academic Exhibit Facility
7601	AF	760111	Museum Building
7601	N	76010	Museums-Memorial Building
7602	A	76020	Monuments/Memorials
7602	AF	760512	Monuments/Memorials
7602	N	76020	Outdoor Monument-Memorial
7603	A	76030	Cemetery
7603	AF	760511	Cemetery
7603	N	76030	Cemetery
8111	A	81113	Electric Power, Coal-Fired
8111	A	81115	Electric Power, Oil-Fired
8111	A	81117	Electric Power, Gas Fired
8111	A	81121	Electric Power, Nuclear
8111	A	81122	Electric Power, Photovoltaic
8111	A	81171	Electric Power, Hydro
8111	AF	811145	Electric Power Generation Plant
8111	N	81110	Electric Power-Plant -Diesel
8111	N	81125	Electric Power-Plant -Steam
8111	N	81145	Electric Power-Plant -Gas Turbine
8112	A	81150	Uninterruptable Power Supply
8112	A	81160	Standby Generator
8112	AF	811147	Emergency Electric Power Generation Plant
8112	N	81150	Electric Power - Photovoltaic Panels
8112	N	81160	Stand-By Generator Plant (Exclude No-Break Units)
8121	A	81241	Overhead Electric Lines
8121	A	81242	Underground Electric Lines
8121	AF	812223	Primary Distribution Line Overhead
8121	AF	812224	Secondary Distribution Line Overhead
8121	AF	812225	Primary Distribution Line Underground
8121	AF	812226	Secondary Distribution Line Underground
8121	N	81230	Electrical Distribution Lines
8122	A	81230	Exterior Lighting
8122	AF	812926	Exterior Area Lighting
8122	N	81220	Street Lighting
8122	N	81240	Perimeter-Security Lighting
8131	A	81320	Substation
8131	A	81350	Electrical Switching Station

FAC	Svc	CATCD	CATCODE Title
8131	A	81360	Transformers
8131	AF	813228	Electric Switching Station
8131	AF	813231	Electric Substation
8131	N	81212	Transformer-Station - Less Than 500KV
8131	N	81320	Substation More-Than-499KV
8131	N	81330	Switching-Station Sectionalizing-Distribution Circuits
8211	A	82110	Heating Plant, Coal-Fired
8211	A	82117	Heating Plant, Dual-Fuel
8211	A	82118	Heating Plant, Wood-Fired
8211	A	82120	Heating Plant, Oil-Fired
8211	A	82130	Heating Plant, Gas-Fired
8211	A	82140	Heating Plant, Nuclear
8211	A	82150	Heating Plant, Steam
8211	A	82160	Heating Plant, Electric
8211	A	82182	Heating Plant, Solar
8211	A	82187	Heating Plant, Geothermal (Environmental)
8211	AF	821115	Heating Plant 750/3500 BTU
8211	AF	821116	Heating Plant 3500 MBTU and Over
8211	AF	821155	Steam Plant Industrial
8211	N	82112	Heating-Plant Fossil-Fuel -750 to 3500 BH
8211	N	82122	Heating-Plant Fossil-Fuel -Larger Than 3500 BH
8211	N	82130	Heating-Plant Non-Fosil-Fuel -Medium
8211	N	82132	Heating-Plant Non-Fosil-Fuel -Large
8211	N	82140	Steam-Plant -Nuclear All Sizes
8211	N	82150	Steam-Plant -Non-Nuclear
8221	A	82210	Steam Condensate Lines
8221	A	82220	Hot Water Lines
8221	A	82221	Hot/Chilled Water Lines
8221	A	82240	Steam Lines
8221	AF	822245	Hot Water Mains
8221	AF	822265	Steam Heating Mains
8221	N	82212	Steam-Line -from Medium Plant
8221	N	82214	Condensate-Line -to Medium Plant
8221	N	82216	Hot-Water&Ht-Hp Line -to Medium Plant
8221	N	82222	Steam-Line -from Large Plant
8221	N	82224	Condensate-Line -to Large Plant
8221	N	82226	Hot-Water&HT-HP Line -from Large Plant
8231	A	82310	Gas Generating Plant
8231	AF	823111	Heat, Gas, Source
8231	N	82310	Gas-Generating Plant
8232	AF	823244	Gas Storage
8232	N	82320	Gas-Storage Tanks
8241	A	82410	Gas Pipelines
8241	AF	824464	Gas Mains
8241	N	82410	Gas-Mains
8261	A	82610	Air Conditioning/Refrigeration Plant
8261	A	82625	Heat Pump
8261	AF	826122	Air Conditioning Plant 25 to 100 tons
8261	AF	826123	Air Conditioning Plant Over 100 tons
8261	AF	890121	Air Conditioning Plant 5 to 25 Tons
8261	AF	890124	Air Conditioning from Central Plant
8261	AF	890125	Air Conditioning Plant Less Than 5 Tons
8261	N	82620	Chilled-Water Plant -25 to 100 Tons
8261	N	82625	Chilled-Water Plant -Over 100 Tons
8261	N	82630	Air-Conditioning Plant -25 to 100 Tons

FAC	Svc	CATCD	CATCODE Title
8261	N	82640	Air-Conditioning Plant -Over 100 Tons
8261	N	89042	Air-Conditioning Plant -5 to 25 TC
8261	N	89043	Chilled Water Plant 5 to 25 TC
8271	A	82710	Chilled Water Distribution System
8271	AF	827111	Chilled Water Exterior Distribution Line
8271	N	82720	Chilled-Water Transmn-Dist System - 826-20 A/C
8271	N	82725	Chilled-Water Transmn-Dist System - 826-25 A/C
8311	A	83110	Primary Waste Water Treatment
8311	A	83112	Secondary Waste Water Treatment
8311	A	83113	Advanced Waste Water Treatment
8311	AF	831145	Domestic & Industrial Waste Water Treatment
8311	AF	831165	Sewage Treatment and Disposal
8311	N	83110	Sewage&Comb-Sewage Industrl-Waste-Trmt Plant
8312	A	83140	Industrial Waste Water Treatment Plant
8312	AF	831155	Industrial Waste Treatment and Disposal
8312	N	83115	Industrial-Waste-Trtmt Facility
8313	A	83180	Gravity Oil And Grease Separator
8313	A	83181	Water and Grit Separator
8313	AF	831157	Industrial Waste Fuel Spill Collection
8313	N	83111	Ballast-Contamination-Treatment Facility
8313	N	83116	Oil-Water Separator -Runoff Water
8313	N	87111	Oil/Water Separator-Runoff
8314	A	83120	Septic Tank and Drain Field
8314	A	83130	Raw Sewage Lagoon and Oxidation Pond
8314	AF	831169	Sewage Septic Tank
8314	N	83130	Septic-Tank Drain-Field
8321	A	83210	Sanitary Sewer
8321	A	83220	Combined Sewer
8321	A	83240	Industrial Waste Sewer
8321	A	87110	Storm Sewer
8321	A	87171	Pollutant Drainage System
8321	AF	832255	Industrial Waste Main
8321	AF	832266	Sanitary Sewage Main
8321	AF	871183	Storm Drainage Disposal
8321	N	83120	Outfall Sewer-Line
8321	N	83210	Sanitary Sewer
8321	N	83220	Combined Sewer
8321	N	83240	Industrial-Waste Sewer
8321	N	87110	Storm Sewer
8331	A	83312	Refuse Collection Facility
8331	A	83320	Recycling Facility
8331	AF	833354	Solid Waste Disposal Facility
8331	AF	833356	Solid Waste Repository
8331	N	73082	Beverage-Container Recycling-Center
8331	N	83320	Solid-Waste Grinder Building
8331	N	83321	Solid-Waste Grinder -Nongalley
8332	A	83310	Incinerator Facility
8332	N	83309	Incinerator Building -with Incinerator
8332	N	83310	Incinerator Exterior
8333	A	83410	Sanitary Landfill
8333	AF	833360	Solid Waste Disposal Facility
8333	N	83315	Sanitary/Cut-Fill Disposal Area
8334	A	83420	Hazardous Waste Landfill
8334	AF	833361	Hazardous/Waste Landfill
8411	AF	841162	Commercial Water Supply

FAC	Svc	CATCD	CATCODE Title
8411	AF	841163	Water Surface Supply
8412	A	84110	Water Treatment Plant
8412	A	84125	Filter Plant Facility
8412	A	84150	Chlorinator Facility
8412	AF	841165	Water Supply Treatment Facility
8412	N	84110	Water-Treatment Facilities
8412	N	84115	Nuclear-Reactor Water-Treatment Facility
8412	N	84125	Desalinization Plant
8413	A	84610	Water Storage Tank, Potable
8413	AF	841427	Water Tank Storage
8413	N	84130	Potable-Water Storage-Tank -Elevated
8413	N	84140	Potable-Water Storage-Tank -Ground Level
8414	A	84130	Water Well, Potable
8414	AF	841166	Water Well
8414	N	84150	Wells Potable-Water
8421	A	84210	Water Distribution Lines, Potable
8421	A	84215	Supply Main, Potable
8421	AF	841161	Water Supply Mains
8421	AF	842245	Water Distribution Mains
8421	N	84120	Supply-Mains Pumping-Facilities -Pre-Treatment Only
8421	N	84210	Potable-Water Distribution Line
8422	A	84141	Pump Station, Potable
8422	AF	842249	Water Pump Station
8422	N	84215	Pumping-Stations Potable-Water
8431	N	84340	Fire-Protection Water Well
8432	A	84330	Fire Protection System, Nonpotable
8432	AF	843314	Fire Protection Water Mains
8432	N	84310	Fire-Protection Water Pipelines
8433	A	84730	Fire Protection Pond
8433	AF	843319	Fire Protection Water Storage
8433	N	84330	Fire-Protection Water Tank
8433	N	84335	Fire-Protection Water Reservoir
8434	AF	843316	Water Fire Pumping Station
8434	N	84320	Fire-Protection Water Pumping Station
8441	A	84470	Water Well, Nonpotable
8441	AF	844368	Water Supply Non-Potable
8441	N	84420	Nonpotable-Water Wells
8442	A	84710	Water Storage Tank, Nonpotable
8442	AF	844367	Water Supply Storage, Non-Potable
8442	N	84440	Nonpotable-Water Storage-Tank
8443	A	84620	Reservoir, Potable
8443	A	84720	Reservoir, Nonpotable
8443	AF	841425	Water Storage Reservoir
8443	N	84151	Reservoir Potable-Water
8443	N	84450	Nonpotable-Water Reservoir
8451	A	84510	Water Distribution Lines, Nonpotable
8451	A	87130	Irrigation Facility
8451	AF	845363	Water Supply Main Non-Potable
8451	N	84520	Nonpotable-Water Pipeline
8451	N	87130	Irrigation Facility
8452	A	84472	Pump Station, Nonpotable
8452	N	84430	Nonpotable-Water Pumping-Station
8452	N	84530	Nonpotable-Water Booster Pumping-Station
8452	N	87115	Storm-Water Pumping-Station
8511	A	85110	Cantonement Area Roads, Surfaced

FAC	Svc	CATCD	CATCODE Title
8511	A	85710	Training Area Roads, Surfaced
8511	A	85720	Training Area Tank Trails, Surfaced
8511	AF	851145	Driveway
8511	AF	851147	Road
8511	N	85110	Roads
8512	A	85130	Cantonement Area Roads, Unsurfaced
8512	A	85150	Cantonement Area Tank Trail
8512	A	85715	Training Area Roads, Unsurfaced
8512	A	85725	Training Area Tank Trails, Unsurfaced
8513	A	85120	Vehicle Bridge
8513	A	85730	Training Area Bridge
8513	AF	851142	Road Bridge
8513	N	85120	Vehicular Bridges
8521	A	85210	Organizational Vehicle Parking, Surfaced
8521	A	85215	Nonorganizational Vehicle Parking, Surfaced
8521	A	85218	Nonorganizational Vehicle Parking Garage
8521	AF	852261	Vehicle Parking Operations
8521	AF	852262	Vehicle Parking Non Organizational
8521	AF	852267	Vehicle/Equipment Parking Research and Development
8521	AF	852271	Private Vehicle Parking Compound
8521	N	73080	Employees Parking Building
8521	N	85210	Parking Area
8522	A	85211	Organizational Vehicle Parking, Unsurfaced
8522	A	85216	Nonorganizational Vehicle Parking, Unsurfaced
8523	A	85212	Staging/Marshalling Area
8524	A	85220	Sidewalks and Walkways, Surfaced
8524	A	85221	Sidewalks and Walkways, Unsurfaced
8524	AF	852287	Covered Walkway
8524	AF	852289	Sidewalk
8524	N	85220	Sidewalk
8525	A	85230	Pedestrian Bridges
8525	AF	852282	Walkway Bridge
8525	N	85230	Pedestrian Bridges
8526	A	85225	Pad
8526	AF	132133	Pad, Equipment
8526	AF	171619	Runway Supervisory Unit
8526	AF	890152	Loading and Unloading Area
8526	N	83330	Solid-Waste Stand -Nongalley
8526	N	85235	Other Paved Areas -Exclusive of 100 or 400 CCN
8526	N	85240	Miscellaneous Open-Storage Laydown-Area
8526	N	85241	Building/Trailer Pad With Utility Connect
8601	A	86010	Railroad Tracks
8601	A	86120	Crane Tracks
8601	AF	860617	Railroad Trackage
8601	N	86010	Railroad Trackage
8601	N	86040	Crane-Trackage -Other Than Marine Type
8611	A	86110	Railroad Bridge
8611	A	86140	Coal Trestle
8611	AF	860612	Railroad Bridge
8611	N	86030	Railroad Bridge&Trestle
8612	A	86130	Railroad Scales
8612	N	86041	Railroad Scalehouse
8711	A	87120	Drainage Ditch
8711	N	87120	Drainage Ditch - Not Part of Road System
8712	A	87150	Retaining Structure

FAC	Svc	CATCD	CATCODE Title
8712	AF	871187	Retaining Wall
8712	N	87135	Retaining Wall
8713	A	87140	Dikes
8713	A	89270	Dam
8713	AF	841423	Water Storage Dam
8713	N	87125	Dyke/Dam
8721	A	87210	Fencing and Walls
8721	A	87250	Gate
8721	AF	872245	Fence Boundary
8721	AF	872247	Fence Security/Vehicle Barriers
8721	AF	872248	Fence Interior
8721	N	87210	Station-Security Perimeter-Fencing&Walls
8721	N	87215	Interior Fencing - Not Coded in 872-10
8910	A	89111	Power Plant Building
8910	A	89113	Power Substation/Switching Station Building
8910	A	89115	Environmental Test Laboratory
8910	A	89120	Plant/Utilities Building
8910	A	89121	Heating Plant Building
8910	A	89126	Refrigeration/Air-Conditioning Building
8910	A	89127	Combined Air-Conditioning/Heat Plant Building
8910	A	89131	Sewage/Waste Treatment Building
8910	A	89133	Refuse and Garbage Building
8910	A	89141	Water Supply/Treatment Building, Potable
8910	A	89144	Water Supply Building, Nonpotable
8910	A	89148	Water Storage Building
8910	A	89150	Shredder Facility
8910	AF	811144	Total Energy Plant Building
8910	AF	811149	Electric Power Station Building
8910	AF	821113	Heating From Central Plant
8910	AF	821117	Heating Facility Building
8910	AF	821156	Steam Facility Building
8910	AF	823243	Gas Compressor
8910	AF	823248	Gas Vaporizor
8910	AF	824462	Gas Meter Facility
8910	AF	824466	Gas Odorizer Facility
8910	AF	824468	Gas Valve Facility
8910	AF	831168	Waste Treatment Building
8910	AF	841169	Water Supply Building
8910	AF	845362	Water Supply Non-Potable Building
8910	AF	890123	Air Conditioning Central Plant
8910	AF	890136	Compressed Air Plant Building
8910	N	81109	Electric Power-Plant Building
8910	N	81159	Stand-By Generator Building
8910	N	81209	Electric Distribution-Bldg-Shelter
8910	N	81310	Switching-Substation Building/Shelter
8910	N	82109	Heating-Plant Building
8910	N	82209	Steam-Heat Building/Shelter
8910	N	82309	Gas-Generating Building
8910	N	82315	Gas-Meter Shed/Shelter
8910	N	82610	Refrigeration/Air Conditioning Plant Building
8910	N	82710	Air-Conditioning Valve-House -Shelter-Shed
8910	N	83109	Sewage&Comb-Sewage Industrl-Waste-Trmt Building
8910	N	83114	Industrial-Waste-Trtmt Building
8910	N	83139	Radioactive-Waste-Handling Building
8910	N	83229	Sewage Pumping-Station Shed-Shelter

FAC	Svc	CATCD	CATCODE Title
8910	N	83340	Garbage House
8910	N	84109	Water-Treatment Facility Building
8910	N	84209	Potable-Water Distribution Building
8910	N	84350	Fire-Protection Valve-House
8910	N	84410	Nonpotable-Water Supply&Storage Building
8910	N	84510	Nonpotable-Water Pipeline Building
8910	N	89009	Miscellaneous Utility-Plant Building
8910	N	89045	Valve-House -Other Shed-Shelter
8910	N	89077	Miscellaneous Utility-System Storage
8921	A	89112	Acetylene Plant
8921	A	89117	Inert Gas Plant
8921	A	89123	Compressed Air Plant
8921	A	89132	Oxygen Plant
8921	AF	229986	Oxygen Generating Plant
8921	AF	890134	Compressed Air Plant
8921	N	89010	Acetylene Plant
8921	N	89015	Nitrogen Plant
8921	N	89020	Compressed-Air Plant
8921	N	89025	Carbon-Dioxide Plant
8921	N	89030	Industrial Oxygen Plant
8922	A	44215	Oxygen Storage Facility, Installation
8922	A	44217	Acetylene Storage Facility, Installation
8922	A	89225	Gas Storage Tanks
8923	A	14971	Vehicle Scales
8923	AF	890197	Weight Scale
8923	N	89056	Weighing Facility
8924	A	83150	Sewage Lift Station
8924	AF	822248	Hot Water Pump Station
8924	AF	822268	Condensate Return Pump Station
8924	AF	832267	Sanitary Sewage Pump Station
8924	AF	871185	Storm Drainage Pumping Station
8924	N	83230	Sewage-and-Indstrl-Waste Pumping-Station
8925	A	89220	Energy Management Control System
8925	AF	890271	Energy Management and Control System Central Station
8925	N	89050	Energy Monitor&Control System
8926	A	45220	Land Farm
8926	AF	831171	Radioactive Waste Burial Site
8926	AF	831172	Disposal Radioactive Waste
8926	AF	831173	Demolition and Burn Facility
8926	N	83140	Radioactiveiwaste-Handling Facility
8926	N	83141	Hazardous Waste Storage and Transfer Facility
8926	N	83142	Hazardous Waste Storage Area
8927	A	13252	Cable Vault
8927	AF	136668	Airfield Light Vault
8927	AF	890187	Utility Vault
8928	A	14970	Loading/Unloading Docks and Ramps
8928	AF	890156	Load/Unloading Pit
8928	AF	890158	Load/Unloading Platform
8928	N	85115	Load/Unload Ramp
8929	A	84450	Chlorinator Facility, Nonpotable
8929	A	89210	Monitoring Wells
8929	A	89215	Environmental Test Facility
8929	A	89226	Vaporizer Station
8929	A	89230	Traffic Signals
8929	A	89235	Frequency Converter

FAC	Svc	CATCD	CATCODE Title
8929	A	89240	Fire Hydrants
8929	A	89250	Railroad Crossing Signals
8929	A	89260	Decorative Fountain/Pond
8929	A	89410	Cooling Tower
8929	AF	740657	Master Television Antenna
8929	AF	812928	Traffic Lights
8929	AF	842246	Water Hydrants
8929	AF	843315	Fire Hydrant
8929	AF	890127	Solar Collection System
8929	AF	890151	Tramway Aerial
8929	AF	890153	Load/Unloading Conveyor
8929	AF	890154	Load/Unloading Gantry Crane
8929	AF	890161	Support Structures
8929	AF	890311	Non-Recoverable Support Facility, Relocatable
8929	N	75035	Activity TV-Antenna (Recvr)
8929	N	75036	TV-Distribution-System
8929	N	87145	Dredged Spoil-Handling Facility
8930	A	89310	Inert Gas Line
8930	A	89320	Compressed Air Line
8930	A	89330	Vacuum Line
8930	AF	890144	Compressed Air Distribution
8930	N	89011	Acetylene Distribution-System
8930	N	89021	Compressed-Air Distribution-System
8930	N	89031	Oxygen Distribution-System
8931	A	89340	Utilidors
8931	AF	890185	Utilidor
8931	N	89046	Utility Tunnel
8951	A	84740	Water Retaining Basin
8951	A	89510	Imhoff Tank
8951	A	89520	Pollutant Catch Basin
8951	A	89530	Sewage Holding Tank
8951	A	89540	Foam Mix Tank
8951	A	89550	Waste POL Storage Tank
8951	A	89560	Hazardous Waste Holding Tank
8951	AF	890171	Miscellaneous Storage Tank
8999	A	88010	Fire Alarm System
8999	A	88020	Watch Reporting System
8999	A	88030	Air Raid Alarm System
8999	A	88040	Intrusion Alarm System
8999	A	88045	Radiation Sensing Device
8999	A	88110	Automatic Water Sprinkler System
8999	A	88120	Special Fire Extinguishing System
8999	A	88130	Standpipe System
8999	A	89280	Lightning Protection System
8999	AF	812921	Electrical Aircraft Outlets
8999	AF	851143	Curbs and Gutters
8999	AF	872841	Security Alarm System
8999	AF	880211	Closed Head Automatic Sprinkler
8999	AF	880212	Open Head Deluge System
8999	AF	880216	Pre-action Sprinkler System
8999	AF	880217	Aqueous Film Forming Foam Pre-action Sprinkler System
8999	AF	880218	High Expansion Foam System
8999	AF	880221	Automatic Fire Detection System
8999	AF	880222	Manual Fire Alarm System, Interior
8999	AF	880223	Manual Fire Alarm System, Exterior

FAC	Svc	CATCD	CATCODE Title
8999	AF	880231	Carbon Dioxide Fire System
8999	AF	880232	Foam Fire System
8999	AF	880233	Other Fire System
8999	AF	880234	Halon 1301 Fire System
8999	AF	880235	Dry Chemical System
8999	AF	880236	Foam System
8999	AF	890181	Utility Line Ducts
8999	AF	890267	Pneumatic Tube
8999	AF	890269	Cathodic Protection
8999	AF	890272	EMCS Field Equipment
8999	AF	890273	EMCS Data Links
8999	N	41170	Vapor-Collect&Recovery System
8999	N	73070	Decontamination Facility
8999	N	88010	Fire-Alarm System
8999	N	88020	Watch-Reporting System
8999	N	88030	Air-Raid-Alarm System
8999	N	88040	Air-Crash/Air-Alert Alarm
8999	N	89080	Centralized Cathodic Protection System
9110	A	91110	Land Purchases and Condemnation
9110	A	91120	Land Donation
9110	A	91130	Purchased Land Transfer from Air Force or Navy
9110	A	91131	Donation Land Transfer from Air Force or Navy
9110	A	91140	Purchased Land Transfer from Other Federal Agencies
9110	A	91141	Donation Land Transfer from Other Federal Agencies
9110	A	91150	Land Set Aside
9110	AF	911125	Land Donation, Private
9110	AF	911127	Land Donation State and Local Government
9110	AF	911142	Land Fee Condemnation
9110	AF	911146	Land Fee Purchase
9110	N	91110	Land - Purchase
9110	N	91120	Land - Donation
9110	N	91130	Land - Transfer
9110	N	91140	Land - Condemnation
9110	N	91150	Land - Exchange
9120	A	91210	Public Domain Withdrawal
9120	AF	912261	Land, Public Domain, Executive Order
9120	AF	912262	Land, Public Domain, Public Land Order
9120	AF	912268	Land, Public Domain, Permit
9120	AF	912269	Land, Public Domain, Note
9120	N	91210	Land - Public Domain, Permanent
9120	N	91215	Land - Set Aside-Hawaii
9120	N	91220	Land - Public Domain ,Temporary
9130	A	91310	Public Domain Use Permit Interior
9130	A	91320	Public Domain Permit Air Force or Navy
9130	A	91330	Public Domain Permit Other Agencies

FAC	Svc	CATCD	CATCODE Title
9130	A	91340	Other License or Permit Air Force or Navy
9130	A	91350	Other License or Permit from Other Federal Agencies
9130	A	91360	Other License from Private Ownership
9130	A	91370	Maneuver Rights-License/Permit
9130	AF	913384	Land, License, General Use
9130	AF	913393	Land, Permit, General Use
9130	N	91310	Land - Federal Government Owned-Permit or Agreement
9130	N	91320	Land - Public Domain - License or Permit
9140	A	91410	Public Land Territories and Possessions
9140	AF	914263	Land, Public, Executive Order
9140	N	91410	Land - Public - Temporary or Long Term
9140	N	91420	Land - Public - License or Permit
9210	A	92110	Easements, Purchased or Condemnation
9210	A	92111	Donation Easement
9210	A	92112	Easements Retained During Fee Disposal
9210	A	92120	Purchase Easement Transfer from Air Force or Navy
9210	A	92121	Donation Easement Transfer from Air Force or Navy
9210	A	92130	Purchase Easement Transfer from Other Federal Agencies
9210	A	92131	Donation Easement Transfer from Other Federal Agencies
9210	AF	921164	Land, Easement Clearance, Temp
9210	AF	921167	Land, Easement Restrictive
9210	AF	921168	Land, Easement Right of Way, Temp
9210	AF	921174	Land Easement Clearance, Perpetual
9210	AF	921177	Land Easement Restrictive, Perpetual
9210	AF	921178	Land, Easement Right of Way, Perpetual
9210	N	92110	Land - Restrictive Use Easement-by Purchase
9210	N	92120	Land - Restrictive Use Easement-by Condemnation
9210	N	92130	Land - Other Easement - by Purchase
9210	N	92140	Land - Other Easement - by Condemnation
9210	N	92150	Land - Other Easement - by Exchange
9220	A	92210	Land In Lease
9220	AF	922274	Land, Lease, State & Local
9220	AF	922276	Land, Lease Subject to Recapture
9220	AF	922278	Land, Lease, Private Enter
9220	AF	922292	Land, Lease & Supplement
9220	AF	922294	Land, In-Lease Mineral
9220	AF	922298	Land, In-Lease Other
9220	AF	922355	Foreign Land Lease Under 99 Yr
9220	AF	922357	Foreign Land Lease 99 Years
9220	N	92210	Land - In Lease - from Private Enterprise
9220	N	92220	Land - In Lease from Foreign,State and Local Governments
9220	N	92230	Land - In-Lease - Long Term
9230	A	92310	Treaty or Base Rights Agreement
9230	A	92320	Reciprocal Aid Agreement
9230	A	92330	Requisitioned Land

FAC	Svc	CATCD	CATCODE Title
9230	AF	923322	Foreign Land Agreement Base
9230	AF	923346	Foreign Land Commandeered
9230	AF	923366	Foreign Land Requisitioned
9230	AF	923376	Foreign Land Miscellaneous
9230	N	92310	Land - Foreign, 99-Year Lease
9230	N	92320	Land, Foreign Base Right
9230	N	92360	Land,Foreign,Miscellaneous
9311	AF	931115	Building Improvements
9311	N	93110	Building Acquisition
9321	A	93210	Site Clearing and Grading
9321	A	93220	Landscape Planting
9321	A	93230	Landscape Berms/Mounds
9321	A	93240	Grounds Maintenance
9321	AF	932681	Site Preparation
9321	AF	939445	Training Area
9331	A	93310	Demolition
9331	N	93310	Demolition
9341	A	93410	Cut and Fill
9351	N	16510	Dredging
9391	AF	932581	Revetments
9391	AF	933364	Removal of Hazard
9391	AF	934277	Erosion Control
9391	AF	939512	Aircraft Accident Emergency Alarm System
9391	N	93210	Other Site Improvements - Structure
9391	N	93220	Other Site Improvements - Utility
9411	A	89130	Hazardous Building
9411	A	94010	Land Contaminated
9999	A	13260	Information Systems Communication Equipment
9999	A	17809	Automated Qualification/Training Range (QTR)
9999	A	87255	Fire Breaks
9999	A	89285	Improved Lands
9999	A	89286	Semi-Improved Lands
9999	A	89287	Unimproved Lands
9999	AF	163212	Buoy
9999	AF	890111	Storage and Plant Refrigeration Equipment
9999	AF	890126	Air Conditioning Window Units
9999	AF	939565	Collarteral
9999	N	51012	Prepositioned Fleet Hospital (Unassembled)
9999	N	84152	Water Catchment Area
9999	N	87140	Reclaimed Owned Land

APPENDIX E: Air Force Category Code-to-FAC Table

CATCODE	FAC
111111	1111
111115	1113
112211	1121
113321	1131
116116	1111
116555	1111
116642	1165
116661	1131
116662	1131
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116666	1131
116667	1161
116668	1162
116672	1163
116922	1461
116933	1463
116945	1464
121111	1444
121115	1211
121122	1211
121124	1444
122111	1221
123335	1231
124131	1241
124132	1241
124134	1241
124135	1241
124137	1241
124138	1241
124139	1241
125554	1251
125977	1444
126925	1261
126926	1261
130142	1411
131111	1311
131114	1311
131115	1311
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131117	1311
131118	1311
131119	1441
131121	1311
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131136	1311
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CATCODE	FAC
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131139	1311
131143	1311
132131	1321
132133	8526
132134	1321
133314	1331
134119	1341
134335	1341
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134341	1331
134351	1341
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134375	1331
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134473	1341
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134484	1341
134511	1341
134678	1341
135583	1351
135586	1351
136635	1362
136661	1361
136662	1362
136664	1361
136666	1362
136667	1361
136668	8927
141154	1444
141165	1444
141173	1403
141175	1403
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141181	1466
141182	1465
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141232	1412
141383	1441
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141387	1441
141389	1441

CATCODE	FAC
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141392	1402
141393	1402
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141446	1402
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141912	1403
141913	4122
141914	1452
141915	1403
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149511	1331
149512	1451
149514	1452
149516	1331
149621	1341
149622	1341
149623	1341
149624	1341
149625	1341

CATCODE	FAC
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149627	1341
149628	1467
149629	1341
149711	1453
149811	1454
149962	1413
149965	1499
149967	1734
149968	1499
151153	1511
151155	1511
152111	1512
154452	1541
159353	1443
163212	9999
163311	1631
164211	1641
171141	4427
171152	1711
171155	7601
171157	1715
171158	1713
171211	1711
171212	1721
171213	1711
171214	1722
171356	6100
171393	1712
171443	1714
171445	1714
171447	1714
171449	1714
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171712	1711
171813	1711
171815	1711

CATCODE	FAC
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171853	1711
171873	1712
171875	1712
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179475	1750
179476	1758
179477	1761
179481	1793
179511	1795
211111	2111
211116	2115
211147	2112
211152	2112
211153	2112
211154	2112
211157	2116
211159	2113
211161	2112
211173	2111
211174	2111
211175	2111
211177	2112
211179	2111
211183	2114
211193	2118
211251	2116
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212252	2123
213332	1552
213363	2133
213436	2132
214422	2145
214425	2141
214426	1444

CATCODE	FAC
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214429	1499
214467	2141
214469	2146
215552	2151
215553	2152
215554	2152
215555	2152
215582	2153
216642	2162
217712	2171
217713	2171
217722	2171
217735	2172
217736	2172
217742	2171
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217762	2171
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218827	2191
218842	2182
218852	2182
218868	2182
218882	7343
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222226	2221
226226	2261
226227	2261
227227	2271
227228	2271
228228	2281
228229	2221
228231	6103
229982	2291
229984	2291

CATCODE	FAC
229986	8921
229987	2291
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310913	3101
310914	3101
310915	3101
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315222	3151
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318612	3181
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318632	3181
319441	3191
319442	3101
319443	3191
319946	3191

CATCODE	FAC
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319995	3191
321123	3211
371475	3712
371484	3712
371485	3712
371486	3712
371923	3713
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390719	3901
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411138	4121
411139	4111
422253	4221
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422264	4221
422265	4221
422271	4221
422273	4221
422275	1494
423111	4231
432283	4321
441257	4413
441628	4412
441758	4411

CATCODE	FAC
442257	4423
442258	4122
442515	5306
442628	4422
442758	4421
442765	4421
442768	4421
442769	4421
451134	4511
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452255	4521
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510125	5100
510126	5100
510143	5302
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510212	5100
510264	5307
510275	5100
510278	5100
510342	5100
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610129	6100

CATCODE	FAC
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610243	6102
610249	6100
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610717	6103
610718	6103
610811	6100
610911	6100
610913	6100
610915	6100
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690432	6900
690625	7383
690792	6900
690795	6900
690798	5304
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711121	7110
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711143	7110
711144	7110
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711171	7110
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711231	7110
711311	7141
711312	7141
712244	7120
713352	7145
713366	7130
714122	7146
714124	7146
714128	7146
714431	7141
714432	7141

CATCODE	FAC
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721121	7312
721123	7312
721215	7220
721311	7218
721312	7210
721315	7212
722345	7220
722351	7220
722356	7220
723155	7231
723242	7232
723385	7233
723388	7233
723392	7234
724415	7240
724417	7241
724433	7241
725513	7250
725517	7250
730142	7311
730145	7311
730147	7311
730151	7381
730182	7321
730186	7321
730275	7384
730277	7341
730441	7351
730443	7344
730551	7342
730652	7342
730711	7342

CATCODE	FAC
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730717	7343
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730725	7322
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730774	7361
730775	7110
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730782	7353
730783	7353
730784	7352
730785	7352
730786	7352
730788	7352
730789	7371
730831	7312
730832	7313
730833	7313
730834	1498
730835	7313
730836	1446
730837	1498
730838	1498
730839	1498
730841	1445
730842	1445
730911	5303
740111	7346
740153	7347
740155	7347
740253	7372

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740266	7349
740267	7346
740269	7346
740270	5304
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740316	7417
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740383	7345
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740386	7387
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740388	7346
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740397	7388
740398	7387
740443	7441
740455	7441
740457	7441
740459	7443
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740615	7333
740617	7333
740618	7333
740657	8929
740664	7411
740665	7412

CATCODE	FAC
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740668	7417
740669	7417
740671	7415
740672	7447
740673	7421
740674	7421
740675	7416
740677	7422
740678	7418
740681	7417
740717	6100
740731	7346
740732	7417
740733	7417
740735	7332
740873	7431
740883	7417
740884	7371
750172	7522
750175	7522
750177	7523
750178	7522
750179	7522
750211	7524
750347	7521
750348	7542
750349	7521
750371	7531
750422	7413
750423	7413
750426	7513
750427	7513

CATCODE	FAC
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750581	7542
750582	7542
750583	7444
750611	7541
750612	7443
750663	7235
750811	7385
750812	7512
750813	7512
750815	7512
750817	7512
750819	7447
750835	7532
760111	7601
760511	7603
760512	7602
811144	8910
811145	8111
811147	8112
811149	8910
812223	8121
812224	8121
812225	8121
812226	8121
812921	8999
812926	8122
812928	8929
813228	8131
813231	8131
821111	4521
821112	1241
821113	8910

CATCODE	FAC
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821116	8211
821117	8910
821155	8211
821156	8910
822245	8221
822248	8924
822265	8221
822268	8924
823111	8231
823243	8910
823244	8232
823248	8910
824462	8910
824464	8241
824466	8910
824468	8910
826122	8261
826123	8261
827111	8271
831145	8311
831155	8312
831157	8313
831165	8311
831168	8910
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831171	8926
831172	8926
831173	8926
832255	8321
832266	8321
832267	8924
833354	8331

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833358	2145
833360	8333
833361	8334
841161	8421
841162	8411
841163	8411
841165	8412
841166	8414
841169	8910
841423	8713
841425	8443
841427	8413
842245	8421
842246	8929
842249	8422
843314	8432
843315	8929
843316	8434
843319	8433
844367	8442
844368	8441
845362	8910
845363	8451
851142	8513
851143	8999
851145	8511
851147	8511
852261	8521
852262	8521
852267	8521
852269	1164
852271	8521

CATCODE	FAC
852273	1164
852282	8525
852287	8524
852289	8524
860612	8611
860616	7384
860617	8601
871183	8321
871185	8924
871187	8712
872245	8721
872247	8721
872248	8721
872841	8999
872845	1499
872911	1495
880211	8999
880212	8999
880216	8999
880217	8999
880218	8999
880221	8999
880222	8999
880223	8999
880231	8999
880232	8999
880233	8999
880234	8999
880235	8999
880236	8999
890111	9999
890121	8261
890123	8910

CATCODE	FAC
890124	8261
890125	8261
890126	9999
890127	8929
890134	8921
890136	8910
890144	8930
890151	8929
890152	8526
890153	8929
890154	8929
890156	8928
890158	8928
890161	8929
890171	8951
890181	8999
890185	8931
890187	8927
890197	8923
890267	8999
890269	8999
890271	8925
890272	8999
890273	8999
890311	8929
911125	9110
911127	9110
911142	9110
911146	9110
912261	9120
912262	9120
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912269	9120

CATCODE	FAC
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913393	9130
914263	9140
921164	9210
921167	9210
921168	9210
921174	9210
921177	9210
921178	9210
922274	9220
922276	9220
922278	9220
922292	9220
922294	9220
922298	9220
922355	9220
922357	9220
923322	9230
923346	9230
923366	9230
923376	9230
931115	9311
932581	9391
932681	9321
933364	9391
934277	9391
939445	9321
939512	9391
939565	9999

APPENDIX F: Army Category Code-to-FAC Table

CATCODE	FAC
11110	1111
11111	1114
11120	1112
11121	1114
11130	1112
11131	1166
11151	1113
11212	1121
11213	1166
11221	1122
11222	1166
11310	1131
11311	1166
11320	1131
11321	1166
11330	1131
11331	1166
11340	1131
11341	1166
11350	1131
11351	1166
11370	1163
11371	1166
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12461	1241
12470	1241
12471	1241
12472	1241
12473	1241
12480	1241
12481	1241
12482	1241
12483	1241
12510	1251
12520	1251

CATCODE	FAC
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12640	1261
12650	1261
12660	1261
12670	1261
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13750	1371
13810	1381
14110	1412
14112	1412
14113	1498
14114	1444
14115	1444
14116	1442
14121	1403
14126	1445
14129	1732
14132	1446

CATCODE	FAC
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14150	1443
14160	1443
14161	1404
14162	1404
14163	1444
14164	1499
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14166	1444
14167	1499
14168	1444
14169	1444
14170	1499
14175	7342
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14177	1444
14178	7382
14179	1499
14180	1444
14181	1499
14182	6102
14183	6102
14185	6101
14220	1421
14310	1431
14915	1495
14916	1499
14920	1461
14925	1499
14935	1464
14937	1499
14940	1499
14951	2124
14953	1499
14955	2145
14958	1499
14960	2145
14961	1499
14962	1496
14970	8928
14971	8923
14975	1499
15110	1511
15210	1512
15410	1541
15420	1541
15430	1541
15432	1541
15510	1551
15610	1431
15930	1591

CATCODE	FAC
15950	1591
15960	1591
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16420	1641
16430	1641
16440	1641
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17214	1724
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17807	1754
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17809	9999
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17812	1756
17813	1750

CATCODE	FAC
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17823	1757
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17867	1772
17868	1772
17869	1760
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17872	1794
17881	1797
17882	1797
17883	1781
17884	1761
17885	1783
17886	1497
17887	1783
17888	1782
17889	1782
17891	1798
17892	1773
17893	1774
17894	1775
17895	1775
17896	1775
17897	1775
17898	1776
17908	1790
17910	1791
17911	1792
17912	1792

CATCODE	FAC
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17964	1790
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17966	1790
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17997	1796
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17999	1741
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21113	2111
21114	2111
21116	2111
21117	2111
21120	2111
21130	2111
21140	2114
21141	2118
21210	2125

CATCODE	FAC
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21320	2132
21330	2133
21335	2134
21340	2137
21407	2143
21408	2141
21409	2144
21410	2141
21411	2141
21412	2141
21413	2141
21414	2141
21415	2141
21416	2141
21417	2141
21418	2144
21419	2143
21435	2142
21440	2142
21441	2142
21445	2142
21458	2142
21462	2142
21465	2142
21470	2141
21510	2152
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21520	2152
21522	2152
21530	2152
21540	2153
21545	2154
21610	2162
21612	2162
21620	2162
21622	2162
21630	2162
21632	2163
21640	2162
21642	2162
21650	2162
21660	2163
21670	2161
21710	2172
21712	2172
21722	2172
21730	2172
21740	2172
21835	2181
21840	2182

CATCODE	FAC
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21850	2182
21855	2181
21865	2181
21870	2181
21872	2182
21879	2182
21881	2182
21882	2181
21885	2181
21887	2181
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21922	2191
21925	2191
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22125	2211
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22230	2221
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22422	2241
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22435	2242
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22520	2251
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CATCODE	FAC
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22685	2262
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22920	2291
22930	2291
22940	2291
22960	7322
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31015	3101
31020	3101
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31060	3102
31061	3102
31062	3101
31063	3101
31065	3101
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31220	3121
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31720	3171
31730	3171
31740	3171
31810	3181
31820	3181
31910	3191
31920	3191
31930	3191
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37110	3711
37120	3712
39010	3901
39014	3901
39018	3901
39024	3901
39028	3901

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39034	3901
39038	3901
39040	3901
39064	3901
39068	3901
39069	3902
39075	3902
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41122	4111
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41181	4111
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42150	4211
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42260	4221
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42281	4221

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42285	4221
42286	4221
42288	4211
42310	4231
42311	4231
42312	4231
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44181	4412
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44220	4421
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44223	4427
44224	4421
44228	4423
44230	4424
44240	4423
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44271	4421
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45210	4521
45220	8926
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53060	5306
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55010	5500
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61065	6100
61070	6100
61075	6100
62010	6200
69010	6900
69020	6900
69030	6900
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71112	7110
71113	7110
71114	7110
71115	7110
71116	7110
71117	7110
71210	7120
71310	7130
71410	7141
71411	7141
71420	7142
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72115	7214
72120	7441
72121	7213
72122	7213
72170	7210
72181	7218

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72351	7232
72360	7231
72410	7240
72411	7441
72412	7241
72510	7250
72520	7251
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73011	7311
73012	7381
73013	7341
73015	7312
73016	7313
73017	7361
73018	7362
73019	7362
73021	7321
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73028	7314
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73032	7342
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73074	7389
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74011	7415
74012	7332
74013	7332
74014	7371
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74022	7411
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74031	7413
74032	7441
74033	7372
74034	7446
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74041	7416
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74059	7348
74060	7332
74062	7331
74064	7332
74065	7447
74066	7417
74068	7417
74069	7421
74070	7418
74072	7422
74075	7447
74076	5304

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74079	7380
74080	7446
74082	7418
74085	7414
74087	7443
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75087	7542

CATCODE	FAC
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76020	7602
76030	7603
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81117	8111
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81122	8111
81150	8112
81160	8112
81171	8111
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81242	8121
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81360	8131
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82118	8211
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82160	8211
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82187	8211
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82310	8231
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82710	8271
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CATCODE	FAC
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84110	8412
84125	8412
84130	8414
84141	8422
84150	8412
84210	8421
84215	8421
84330	8432
84450	8929
84470	8441
84472	8452
84510	8451
84610	8413
84620	8443
84710	8442
84720	8443
84730	8433
84740	8951
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85120	8513
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85212	8523
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85216	8522
85218	8521
85220	8524

CATCODE	FAC
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85730	8513
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86110	8611
86120	8601
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86140	8611
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87120	8711
87130	8451
87140	8713
87150	8712
87171	8321
87210	8721
87250	8721
87255	9999
88010	8999
88020	8999
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89112	8921
89113	8910
89115	8910
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89121	8910
89123	8921
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89127	8910
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CATCODE	FAC
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89215	8929
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89225	8922
89226	8929
89230	8929
89235	8929
89240	8929
89250	8929
89260	8929
89270	8713
89280	8999
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89286	9999
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89330	8930
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91320	9130

CATCODE	FAC
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91370	9130
91410	9140
92110	9210
92111	9210
92112	9210
92120	9210
92121	9210
92130	9210
92131	9210
92210	9220
92310	9230
92320	9230
92330	9230
93210	9321
93220	9321
93230	9321
93240	9321
93310	9331
93410	9341
94010	9411

APPENDIX G: Navy Category Code-to-FAC Table

CATCODE	FAC
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11115	1112
11120	1112
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11640	1164
11642	1164
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11650	1131
11655	1131
11656	1131
11660	1164
11665	1164
12110	1211
12120	1211
12130	1212
12210	1221
12220	1221
12310	1231
12315	1444
12420	1241
12430	1241
12440	1241
12450	1241
12465	1241
12470	1241
12510	1251
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13120	1311
13122	1311
13124	1311
13125	1311
13130	1311
13135	1311
13140	1311
13142	1311
13145	1311
13150	1311
13155	1311

CATCODE	FAC
13156	1311
13160	1311
13165	1311
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13240	1321
13250	1321
13255	1321
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13365	1331
13372	1413
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13650	1361
13655	1362
13660	1362
13665	1361
13710	1371
13720	1371
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13732	1371
13733	1371
13740	1371
13810	1381
13820	1381
13825	1381
14111	1412
14112	1412
14113	1412
14120	1411
14125	1411

CATCODE	FAC
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14140	1412
14141	1412
14142	1444
14160	1441
14165	1441
14170	1413
14181	1412
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14187	1444
14188	1465
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14219	1421
14220	1422
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14317	1444
14320	1444
14321	1443
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14328	1444
14330	1441
14335	1444
14340	6104
14341	1431
14345	4427
14346	1446
14347	1446
14355	1444
14360	1431
14365	1431
14370	1442
14375	1442
14377	1443
14378	1443
14380	1444
14810	1481
14815	1491
14817	1456
14820	1497
14825	1492
14830	1493
14835	1492
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14845	1492
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14930	1461
14945	3901

CATCODE	FAC
14950	1464
14985	1467
14986	1499
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15150	1511
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16210	1499
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16320	1631
16330	1631
16410	1641
16420	1641
16430	1641
16510	9351
16910	1611

CATCODE	FAC
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17115	1714
17117	1441
17120	1712
17125	7431
17135	1721
17136	1724
17140	1714
17145	1732
17150	1718
17160	6100
17177	1732
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17930	1767
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17955	1725
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17971	1790
17972	1790
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21104	2111
21105	2111
21106	2112
21107	1444
21108	2112
21109	1791
21110	2116
21111	2116
21112	2116
21113	2116
21114	2116
21115	2112
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21122	2116
21123	2116
21124	2116
21125	2116
21126	2116
21127	2116
21130	2116
21131	2116
21132	2116
21133	2116
21134	2116

CATCODE	FAC
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21277	2121
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21340	2137
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21420	2141
21430	2141
21440	1444
21451	2141
21453	2141
21455	2145
21456	2145
21510	2152
21520	2152
21530	2152
21550	2152
21560	2151

CATCODE	FAC
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21650	2152
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31017	3101

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31940	3191
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37113	3712

CATCODE	FAC
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37117	3712
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37119	3712
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42172	4211
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44114	4411
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44135	4422
44140	4421
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44171	4421
44172	4421
44173	4421
45110	4521
45170	4521
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51012	9999
51015	5100
51020	5100
51077	5306
53010	5500
53020	5302
53030	5303
53040	5304
53045	5304
53050	5302
54010	5400
55010	5500
61010	6100
61020	6104
61030	6100
61040	6100
61070	6100
61071	6102
61072	6102
61073	6101
61077	6100
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62020	6200
62077	6200
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69015	6900
69025	6900
69030	6900
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71126	7110

CATCODE	FAC
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71311	7130

CATCODE	FAC
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72123	7212
72124	7210
72125	7210
72126	7210
72130	7210
72131	7210
72140	7312
72145	7220
72146	7210
72151	7441
72152	7441
72153	7212
72210	7220
72231	7220
72241	7220
72250	7233
72320	7234
72330	7231
72340	7232
72350	7235
72360	7231
72361	7235
72377	7231
72411	7240
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72423	7240
72424	7213
72430	7220
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72511	7251

CATCODE	FAC
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73012	7311
73013	7343
73015	7312
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73060	7352
73065	7383
73066	7384
73067	7341
73070	8999
73075	7385
73076	1445
73077	4421
73078	7322
73080	8521
73081	7314
73082	8331
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73085	7344
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74002	7346
74003	7387
74004	7331
74005	7331
74007	7345
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74009	7346
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74013	7342
74015	7342
74016	7387
74017	7387
74018	7347
74019	7347
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74022	7441
74023	7349
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CATCODE	FAC
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74075	7414
74076	7416
74077	4421
74078	7531
74079	7444
74080	7413
74081	7442
74082	7447
74083	7349
74084	7421
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74086	7388

CATCODE	FAC
74087	7445
74088	7351
74089	7385
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75032	7512
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75058	7541
75060	7518
75061	7517
76010	7601
76020	7602
76030	7603
81109	8910
81110	8111
81125	8111
81145	8111
81150	8112
81159	8910
81160	8112
81209	8910
81212	8131
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81230	8121
81240	8122
81310	8910
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82112	8211
82122	8211
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82132	8211
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82150	8211
82160	1241
82161	1241
82209	8910
82212	8221

CATCODE	FAC
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82222	8221
82224	8221
82226	8221
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82320	8232
82410	8241
82610	8910
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82640	8261
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82725	8271
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83114	8910
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83120	8321
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83321	8331
83330	8526
83340	8910
84109	8910
84110	8412
84115	8412
84120	8421
84125	8412
84130	8413
84140	8413
84150	8414

CATCODE	FAC
84151	8443
84152	9999
84209	8910
84210	8421
84215	8422
84310	8432
84320	8434
84330	8433
84335	8433
84340	8431
84350	8910
84410	8910
84420	8441
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84440	8442
84450	8443
84510	8910
84520	8451
84530	8452
85110	8511
85115	8928
85120	8513
85210	8521
85220	8524
85230	8525
85235	8526
85240	8526
85241	8526
86010	8601
86020	1495
86030	8611
86040	8601
86041	8612
87110	8321
87111	8313
87115	8452
87120	8711
87125	8713
87130	8451
87135	8712
87140	9999
87145	8929
87210	8721
87215	8721
87220	1499
88010	8999
88020	8999
88030	8999
88040	8999
89009	8910

CATCODE	FAC
89010	8921
89011	8930
89015	8921
89020	8921
89021	8930
89025	8921
89027	7322
89030	8921
89031	8930
89042	8261
89043	8261
89045	8910
89046	8931
89050	8925
89056	8923
89077	8910
89080	8999
91110	9110
91120	9110
91130	9110
91140	9110
91150	9110
91210	9120
91215	9120
91220	9120
91310	9130
91320	9130
91410	9140
91420	9140
92110	9210
92120	9210
92130	9210
92140	9210
92150	9210
92210	9220
92220	9220
92230	9220
92310	9230
92320	9230
92360	9230

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DOD FACILITIES PRICING GUIDE—PART 2

General Comments on the Use of Unit Costs, Area Cost Factors, Size Adjustment Factors, and Inflation Rates

The following tables for Unit Costs for DoD Facilities, Area Cost Factors (ACFs), Size Adjustment Factors, and OSD Inflation Rates apply to MILCON project estimates. These tables are also maintained and available on the National Institute of Building Science (NIBS) Construction Criteria Database (CCB). Please address any questions regarding the following tables or cost engineering procedures to your participating Service member of the Tri-Service Committee on Cost Engineering.

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TABLE A: UNIT COSTS FOR DoD FACILITIES

Table A provides metric unit cost data for DoD facilities in dollars per square meter ($/m^2) and equivalent English unit cost data in dollars per square foot ($/SF).

Most unit costs and referenced facility sizes are based on historic construction award data for Air Force, Army and Navy projects with construction contracts awarded after January 1997. Unit costs for a few category codes that have a limited number of awarded projects are based on contracts awarded since 1990. The unit cost database includes only new construction projects and does not include data from renovation or add/alter projects. The facility types or category codes listed represent those facilities more frequently constructed by the Services.

NOTES:

1. Unit costs are escalated to October 2005 and October 2006, the assumed midpoints of construction for FY05 and FY06, respectively, with an area cost factor of 1.00. Use the OSD inflation rates shown in Table D to escalate the FY05 unit costs beyond FY05. Unit costs include installed (built-in) building equipment and furnishings normally funded with MILCON funds. Unit costs are for primary facilities only and do not include supporting facility costs; equipment acquired with other fund sources; anti-terrorism/ force protection costs; construction contingency factors; supervision, inspection, and overhead (SIOH); or construction cost growth resulting from user changes, unforeseen site conditions, or contract document errors and omissions.
2. Unit costs for DoD medical facilities include category A and category B equipment, but do not include category E and category F equipment costs.
3. Unit costs for administrative facilities do not include pre-wired workstations or furnishing systems.
4. Unit costs for barracks and unaccompanied officers quarters do not include free-standing kitchen equipment. In addition to using the size adjustment factors, use the project size adjustment factors in table C.
5. Unit costs for child development centers do not include free-standing food service equipment or playground area and equipment.
6. Unit costs for family housing are based upon gross area and include sprinkler systems or fire-rated construction. Unit costs include post-award design costs.
7. For reserve facilities other than reserve centers, use the unit cost of the appropriate facility type.

TABLE A
PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES

	FACILITY TYPE	REFERENCE SIZE GROSS m^2	(NOTE 1) UNIT COST ($ / m^2) FY 2005	FY 2006	REFERENCE SIZE GROSS SF	(NOTE 1) UNIT COST ($ / SF) FY 2005	FY 2006
1.	**SATELLITE COMMUNICATIONS CENTER** (WITH SHIELDING AND GENERATOR)	550	5,231	5,315	6,000	486	494
2.	**AIRCRAFT OPERATION BUILDING**						
	WITHOUT TOWER	930	2,336	2,373	10,000	217	220
	WITH TOWER	1,400	3,261	3,314	15,000	303	308
3.	**AIRFIELD FIRE AND RESCUE STATION** (DOES NOT INCLUDE CENTRAL ALARM SYSTEM)	750	2,153	2,187	8,000	200	203
4.	**OPERATIONS BUILDINGS**						
	GENERAL PURPOSE	2,300	1,453	1,476	25,000	135	137
	HEADQUARTERS	1,650	1,647	1,673	18,000	153	155
	SQUADRON	3,350	1,593	1,619	36,000	148	150
5.	**APPLIED INSTRUCTION BUILDINGS**						
	GENERAL INSTRUCTION	2,300	1,593	1,619	25,000	148	150
	HIGH TECH (AUTO-AID) TRAINING	2,300	1,830	1,859	25,000	170	173
6.	**RESERVE CENTER** (NOTE 7)	1,860	1,399	1,422	20,000	130	132
7.	**HANGARS**						
	MAINTENANCE/GENERAL PURPOSE	2,150	1,733	1,761	23,000	161	164
	HIGH BAY MAINTENANCE	3,250	2,120	2,154	35,000	197	200
8.	**SHOPS**						
	VEHICLE MAINTENANCE, WHEEL	2,800	1,561	1,586	30,000	145	147
	VEHICLE MAINTENANCE, TRACK	2,300	1,615	1,640	25,000	150	152
	AIRCRAFT AVIONICS	2,150	1,593	1,619	23,000	148	150
	INSTALLATION MAINTENANCE	2,900	1,227	1,247	31,000	114	116
	PARACHUTE AND DINGHY	750	1,722	1,750	8,000	160	163
	A/C MACHINE SHOP	1,860	1,647	1,673	20,000	153	155
9.	**STORAGE FACILITIES**						
	COLD STORAGE WAREHOUSE/PROCESSING	1,000	1,292	1,312	11,000	120	122
	COLD STORAGE WAREHOUSE	550	1,722	1,750	6,000	160	163
	GENERAL PURPOSE WAREHOUSE - LOW BAY	3,700	775	787	40,000	72	73
	GENERAL PURPOSE WAREHOUSE - HIGH BAY	9,290	883	897	100,000	82	83
	GENERAL PURPOSE MAGAZINE W/O CRANE	930	2,099	2,133	10,000	195	198
	HIGH EXPLOSIVE MAGAZINE	450	2,250	2,286	5,000	209	212
10.	**DOD MEDICAL FACILITIES** (NOTE 2)						
	STATION HOSPITAL	NA	2,196	2,231	NA	204	207
	REGIONAL MEDICAL CENTER	NA	2,626	2,668	NA	244	248
	MEDICAL CLINIC	4,650	2,131	2,165	50,000	198	201
	MEDICAL/DENTAL CLINIC	5,570	2,077	2,111	60,000	193	196
	DENTAL CLINIC	1,860	2,228	2,264	20,000	207	210
	AMBULATORY CLINIC	2,800	1,959	1,990	30,000	182	185

TABLE A
PRIMARY FACILITY UNIT COST DATA FOR DOD FACILITIES

	FACILITY TYPE		REFERENCE SIZE GROSS m^2	(NOTE 1) UNIT COST ($ / m^2) FY 2005	FY 2006	REFERENCE SIZE GROSS SF	(NOTE 1) UNIT COST ($ / SF) FY 2005	FY 2006
11.	**ADMINISTRATIVE FACILITIES** (NOTE 3)							
	MULTI-PURPOSE		2,300	1,507	1,531	25,000	140	142
	DATA PROCESSING AREA FACILITY (INCLUDES ADMIN AND STORAGE)		1,950	1,981	2,012	21,000	184	187
	COMMAND HEADQUARTERS BUILDING		3,700	1,948	1,979	40,000	181	184
12.	**BARRACKS, DORMITORIES** (NOTE 4) (DOES NOT INCLUDE KITCHENETTE EQUIPMENT)		9,250	1,615	1,640	99,500	150	152
13.	**UNACCOMPANIED OFFICERS QUARTERS** (NOTE 4)		4,100	1,615	1,640	44,000	150	152
14.	**DINING FACILITY** (INCLUDES KITCHEN EQUIP. AND INSTALLATION)		2,000	2,562	2,603	21,500	238	242
15.	**FIRE STATION, COMMUNITY**		750	1,722	1,750	8,000	160	163
16.	**CHAPEL CENTER**		1,400	1,841	1,870	15,000	171	174
17.	**COMMISSARY**			1,464	1,487	85,000	136	138
	(SALES STORE W/ OPERATIONAL EQUIPMENT)		7,900					
18.	**FAMILY SUPPORT**							
	CHILD DEVELOPMENT CENTER (NOTE 5)		1,400	1,787	1,815	15,000	166	169
	EDUCATION CENTER		930	1,722	1,750	10,000	160	163
	YOUTH CENTER		1,400	1,647	1,673	15,000	153	155
	FAMILY SERVICE CENTER		450	1,647	1,673	5,000	153	155
19.	**FAMILY HOUSING** (NOTE 6)	CONUS	NA	764	776	NA	71	72
		OCONUS	NA	775	787	NA	72	73
20.	**PHYSICAL FITNESS TRAINING CENTER**		2,800	1,733	1,761	30,000	161	164
21.	**MAIN EXCHANGE** (W/ MALL SERVICE SHOPS)		7,430	1,173	1,192	80,000	109	111
22.	**SERVICE CLUBS**		2,090	2,443	2,482	22,500	227	231
23.	**LIBRARIES**		1,100	1,722	1,750	12,000	160	163
24.	**RECREATION CENTERS**		1,860	1,647	1,673	20,000	153	155
25.	**BOWLING CENTERS** (8 LANES W/ PIN SPOTTING EQUIPMENT AND AUTOMATIC SCORING DEVICE)		700	1,733	1,761	7,800	161	164
26.	**DEPENDENT SCHOOLS**							
	ELEMENTARY		NA	1,507	1,531	NA	140	142
	JUNIOR HIGH/MIDDLE		NA	1,528	1,553	NA	142	144
	HIGH SCHOOL		NA	1,593	1,619	NA	148	150
27.	**TEMPORARY LODGING FACILITIES**		2,800	1,518	1,542	30,000	141	143

TABLE B: AREA COST FACTORS

Use the area cost factors (ACFs) only with the primary facility unit costs from Table A.

Area cost factors for some locations have been updated from previous list based on the latest data input from the services' and field offices. In general, the area cost factors are developed based on the construction market condition of local costs for a market basket of 8 labor crafts, 18 construction materials, and 4 equipment items. These labor, materials, and equipment (LME) items are representative of the types of products and services used to construct most military facilities. In 2002, the market survey covered a list of 222 locations that includes 96 Base Cities (two per state in the continental US), 106 additional locations in the U.S., and 20 Overseas locations. A new construction market survey will be conducted in 2004.

Each of the LME costs is normalized and weighted to represent its contribution to the total cost of a typical facility. The normalized LME is then modified by seven matrix factors that cover local conditions affecting construction costs. These matrix factors include weather, seismic, climatic (frost zone, wind loads, and HVAC systems), labor availability, contractor overhead and profit, life support and mobilization, and labor productivity versus the U.S. standard. The resultant ACF for each location is normalized again by dividing by the Base City average to provide a final ACF that reflects the relative relationship of construction costs between that location and the Base City average as 1.00.

There is no easy correlation between these ACFs and previous ACFs for specific locations. No common benchmarks exist because both the Base City average and the relationships between cities change for each two-year cycle. It is possible, however, to compare differences between several locations in this database with differences between the same locations in previous databases.

Do not use these ACFs to modify parametric cost estimates, detailed quantity-take-offs, unit price book (UPB) line items, or commercial cost data. These other cost estimating systems and databases have their own processes and factors for adjusting costs to different locations.

*The overall ACF for the state/country should be used when there is no specific ACF for a location within the state/country. The ACF for the closest location should be used only when market conditions (e.g. material prices, labor rates, labor availability, bidding climate) are similar***.**

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
ALABAMA		**0.83**
	MOBILE	0.85
	MONTGOMERY	0.81
(A)	ANNISTON ARMY DEPOT	0.78
(A)	FORT MCCLELLAN	0.78
(A)	FORT RUCKER	0.77
(AF)	MAXWELL AIR FORCE BASE	0.81
(N)	MOBILE AREA	0.85
(A)	REDSTONE ARSENAL	0.85
ALASKA		**1.85**
	ANCHORAGE	1.68
	FAIRBANKS	2.03
(N)	ADAK NAVAL STATION	3.46
(AF)	CLEAR AIR FORCE BASE	2.15
(AF)	EACKERSON AIR FORCE BASE	3.50
(AF)	EIELSON AIR FORCE BASE	2.03
(AF)	ELMENDORF AIR FORCE BASE	1.68
(A)	FORT GREELY	2.15
(A)	FORT RICHARDSON	1.68
(A)	FORT WAINWRIGHT	2.03
ARIZONA		**0.99**
	FLAGSTAFF	1.00
	TUCSON	0.97
(AF)	DAVIS-MONTHAN AIR FORCE BASE	0.98
(A)	FORT HUACHUCA	1.11
(AF)	LUKE AIR FORCE BASE	1.00
(A)	NAVAJO ARMY DEPOT	1.00
(N)	YUMA MCAS	1.14
(A)	YUMA PROVING GROUND	1.14

STATE	LOCATION	ACF INDEX
ARKANSAS		**0.90**
	FORT SMITH	0.89
	PINE BLUFF	0.90
(A)	FORT CHAFFEE	0.89
(AF)	LITTLE ROCK AIR FORCE BASE	0.87
(A)	PINE BLUFF ARSENAL	0.90
CALIFORNIA		**1.20**
	SAN DIEGO	1.17
	SAN FRANCISCO	1.23
(N)	29 PALMS MARINE CORPS BASE	1.32
(AF)	BEALE AIR FORCE BASE	1.26
(N)	CAMP PENDLETON MARINE CORPS BASE	1.17
(N)	CENTERVILLE BEACH	1.04
(N)	CHINA LAKE NAVAL WEAPONS CENTER	1.27
(H)	CONCORD	1.23
(AF)	EDWARDS AIR FORCE BASE	1.28
(N)	EL CENTRO NAVAL AIR FIELD	1.20
(A)	FORT HUNTER LIGGETT	1.23
(A)	FORT IRWIN	1.27
(A)	FORT ORD	1.21
(N)	LEMOORE	1.23
(N)	LOS ANGELES AREA	1.13
(AF)	MARCH AIR RESERVE BASE	1.01
(AF)	MCCLELLAN AIR FORCE BASE	1.12
(N)	MONTEREY AREA	1.21
(A)	OAKLAND ARMY BASE	1.23
(H)	POINT MUGU	1.14
(H)	POINT SUR	1.21
(N)	PORT HUENEME AREA	1.14
(A)	RIVERBANK ARMY AMMO PLANT	1.17

LEGEND: A = ARMY; AF = AIR FORCE; N = NAVY; H = HOUSING

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
CALIFORNIA (CONT)		
(A)	SACRAMENTO ARMY DEPOT	1.12
(H)	SAN BRUNO	1.23
(N)	SAN CLEMENTE ISLAND	1.88
(H)	SEAL BEACH	1.13
(A)	SHARPE ARMY DEPOT	1.22
(A)	SIERRA ARMY DEPOT	1.29
(N)	STOCKTON AREA	1.18
(AF)	TRAVIS AIR FORCE BASE	1.26
(AF)	VANDENBERG AIR FORCE BASE	1.19
COLORADO		**1.07**
	COLORADO SPRINGS	1.11
	DENVER	1.03
(AF)	AIR FORCE ACADEMY	1.11
(AF)	BUCKLEY AIR FORCE BASE	1.03
(AF)	CHEYENNE MOUNTAIN	1.19
(A)	FITZSIMONS ARMY MED CENTER	1.03
(A)	FORT CARSON	1.11
(AF)	PETERSON AIR FORCE BASE	1.11
(A)	PUEBLO ARMY DEPOT	0.96
(A)	ROCKY MOUNTAIN ARSENAL	1.03
(AF)	SCHRIEVER AIR FORCE BASE	1.19
CONNECTICUT		**1.10**
	BRIDGEPORT	1.07
	NEW LONDON	1.14
(N)	NEW LONDON AREA	1.14
(A)	STRATFORD ENG PLANT	1.07

STATE	LOCATION	ACF INDEX
DELAWARE		**1.05**
	DOVER	1.05
	WILMINGTON	1.05
(AF)	DOVER AIR FORCE BASE	1.06
FLORIDA		**0.83**
	MIAMI	0.87
	PANAMA CITY	0.79
(AF)	CAPE CANAVERAL	0.97
(AF)	EGLIN AIR FORCE BASE	0.80
(AF)	HOMESTEAD AIR RESERVE STATION	0.87
(N)	JACKSONVILLE AREA	0.93
(N)	KEY WEST NAVAL AIR STATION	1.24
(H)	MAYPORT	0.91
(AF)	MACDILL AIR FORCE BASE	0.89
(N)	ORLANDO AREA	0.85
(N)	PANAMA CITY AREA	0.79
(N)	PENSACOLA AREA	0.87
(AF)	TYNDALL AIR FORCE BASE	0.79
(H)	WHITING FIELD	0.87

LEGEND: A = ARMY; AF = AIR FORCE; N = NAVY; H = HOUSING

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
GEORGIA		**0.86**
	ALBANY	0.79
	ATLANTA	0.93
(H)	ATHENS	0.81
(A)	FORT BENNING	0.80
(A)	FORT GILLEM	0.93
(A)	FORT GORDON	0.84
(A)	FORT MCPHERSON	0.93
(A)	FORT STEWART	0.84
(N)	KINGS BAY	0.99
(AF)	MOODY AIR FORCE BASE	0.85
(AF)	ROBINS AIR FORCE BASE	0.83
HAWAII		**1.70**
	HONOLULU	1.66
	KANEOHE BAY	1.75
(N)	BARBERS POINT NAVAL AIR STN.	1.74
(N)	BARKING SANDS	1.74
(N)	FORD ISLAND	1.66
(A)	FORT DERUSSY	1.66
(A)	FORT SHAFTER	1.66
(AF)	HICKAM AIR FORCE BASE	1.66
(N)	KANEOHE MARINE CORPS AIR STN.	1.75
(N)	PEARL HARBOR	1.66
(N)	POHAKULOA	1.93
(A)	SCHOFIELD BARRACKS	1.67
(A)	TRIPLER ARMY MEDICAL CENTER	1.70
(A)	WHEELER ARMY AIR FIELD	1.67

STATE	LOCATION	ACF INDEX
IDAHO		**1.04**
	BOISE	0.97
	MOUNTAIN HOME	1.11
(AF)	MOUNTAIN HOME AIR FORCE BASE	1.11
ILLINOIS		**1.22**
	BELLEVILLE	1.16
	CHICAGO	1.29
(N)	FOREST PARK (CHICAGO)	1.29
(N)	GLENVIEW (CHICAGO)	1.29
(N)	GREAT LAKES (NTC)	1.28
(A)	ROCK ISLAND ARSENAL	1.02
(A)	SAVANNAH ARMY DEPOT	0.98
(AF)	SCOTT AIR FORCE BASE	1.19
INDIANA		**0.98**
	INDIANAPOLIS	0.99
	LOGANSPORT	0.98
(N)	CRANE NWSC	1.05
(A)	FORT BENJAMIN HARRISON	1.03
(AF)	GRISSOM AIR RESERVE BASE	1.05
(A)	JEFFERSON PROVING GROUND	0.92
IOWA		**1.00**
	BURLINGTON	1.05
	DES MOINES	0.96
(A)	IOWA ARMY AMMO PLANT	1.10

LEGEND: A = ARMY; AF = AIR FORCE; N = NAVY; H = HOUSING

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
KANSAS		**0.95**
	MANHATTAN	0.96
	WICHITA	0.94
(A)	FORT LEAVENWORTH	1.05
(A)	FORT RILEY	1.08
(A)	KANSAS ARMY AMMO PLANT	1.01
(AF)	MCCONNELL AIR FORCE BASE	0.94
KENTUCKY		**0.92**
	LEXINGTON	0.88
	LOUISVILLE	0.96
(A)	FORT CAMPBELL	1.05
(A)	FORT KNOX	1.05
(A)	LEXINGTON/BLUE GRASS AD	0.95
(N)	LOUISVILLE NAVAL AIR STATION	0.96
LOUISIANA		**0.93**
	NEW ORLEANS	0.96
(AF)	BARKSDALE AIR FORCE BASE	0.89
	SHREVEPORT	0.89
(A)	FORT POLK	0.93
(A)	LOUISIANA ARMY AMMO PLANT	0.89
(A)	NEW ORLEANS ARMY BASE	0.96
MAINE		**1.05**
	BANGOR	1.05
	PORTLAND	1.05
(N)	BRUNSWICK AREA	1.11
(N)	CUTLER WINTER HARBOR	1.07
(H)	KITTERY/PORTSMOUTH	1.05
MARYLAND		**0.98**
	BALTIMORE	0.89
	LEXINGTON PARK	1.08
(A)	ABERDEEN PROVING GROUND	0.89
(AF)	ANDREWS AIR FORCE BASE	1.00
(N)	ANNAPOLIS	1.00
(N)	BETHESDA	1.00
(N)	CHELTONHAM (DC)	1.00
(N)	CHESAPEAKE BEACH	0.95
(A)	FORT DETRICK	1.00
(A)	FORT GEORGE G MEADE	1.00
(A)	FORT RITCHIE	0.89
(A)	HARRY DIAMOND LAB	1.00
(N)	INDIAN HEAD	0.97
(N)	PATUXENT RIVER AREA	1.08
(N)	THURMONT	1.10
MASSACHUSETTS		**1.13**
	BOSTON	1.16
	FITCHBURG	1.09
(A)	ARMY MAT & MECH LAB	1.15
(A)	FORT DEVENS	1.16
(AF)	HANSCOM AIR FORCE BASE	1.16
MICHIGAN		**1.13**
	DETROIT	1.15
	MARQUETTE	1.10
(A)	DETROIT ARSENAL	1.15
(AF)	K I SAWYER AIR FORCE BASE	1.10

LEGEND: A = ARMY; AF = AIR FORCE; N = NAVY; H = HOUSING

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
MINNESOTA		**1.08**
	DULUTH	1.05
	MINNEAPOLIS	1.11
MISSISSIPPI		**0.84**
	BILOXI	0.90
	COLUMBUS	0.78
(AF)	COLUMBUS AIR FORCE BASE	0.78
(N)	GULFPORT AREA	0.90
(AF)	KEESLER AIR FORCE BASE	0.90
(N)	MERIDIAN NAVAL AIR STATION	0.94
MISSOURI		**0.99**
	KANSAS CITY	1.01
	SEDALIA	0.97
(A)	FORT LEONARD WOOD	1.13
(A)	LAKE CITY ARMY AMMO PLNT	1.03
(A)	ST LOUIS ARMY AMMO PLANT	1.09
(AF)	WHITEMAN AIR FORCE BASE	1.04
MONTANA		**1.14**
	BILLINGS	1.12
	GREAT FALLS	1.16
(AF)	MALMSTROM AIR FORCE BASE	1.16
NEBRASKA		**0.95**
	GRAND ISLAND	0.91
	OMAHA	0.99
(A)	CORNHUSKER ARMY AMMO PLANT	0.91
(AF)	OFFUTT AIR FORCE BASE	0.99

STATE	LOCATION	ACF INDEX
NEVADA		**1.20**
	HAWTHORNE	1.16
	LAS VEGAS	1.24
(N)	FALLON	1.21
(A)	HAWTHORNE ARMY AMMO PLANT	1.16
(AF)	NELLIS AIR FORCE BASE	1.28
NEW HAMPSHIRE		**1.06**
	CONCORD	1.08
	PORTSMOUTH	1.05
NEW JERSEY		**1.14**
	NEWARK	1.15
	TRENTON	1.12
(N)	BAYONNE MOT	1.14
(N)	EARLE	1.21
(A)	FORT DIX	1.15
(A)	FORT MONMOUTH	1.10
(H)	LAKEHURST	1.16
(AF)	MCGUIRE AIR FORCE BASE	1.15
(A)	PICATINNY ARSENAL	1.20
NEW MEXICO		**0.97**
	ALAMOGORDO	0.96
	ALBUQUERQUE	0.99
(AF)	CANNON AIR FORCE BASE	1.04
(AF)	HOLLOMAN AIR FORCE BASE	0.98
(AF)	KIRTLAND AIR FORCE BASE	0.99
(A)	WHITE SANDS MR	1.00

LEGEND: A = ARMY; AF = AIR FORCE; N = NAVY; H = HOUSING

PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
NEW YORK		**1.07**
	ALBANY NEW YORK	1.02
	BUFFALO	1.12
(A)	FORT DRUM	1.13
(H)	LONG ISLAND	1.36
(A)	NEW YORK CITY	1.49
(N)	NIAGARA	1.12
(AF)	ROME LABORATORY	1.07
(H)	SCOTIA	1.02
(A)	SENECA ARMY DEPOT	1.06
(N)	STATEN ISLAND	1.49
(A)	U S MILITARY ACADEMY	1.40
(A)	WATERVLIET ARSENAL	1.02
NORTH CAROLINA		**0.87**
	FAYETTEVILLE	0.87
	GREENSBORO	0.87
(N)	CAMP LEJEUNE AREA	0.96
(N)	CHERRY POINT	0.96
(A)	FORT BRAGG	0.88
(N)	NEW RIVER	0.96
(AF)	POPE AIR FORCE BASE	0.88
(AF)	SEYMOUR JOHNSON AIR FORCE BASE	0.83
(A)	SUNNY POINT	0.87
NORTH DAKOTA		**1.02**
	GRAND FORKS	0.95
	MINOT	1.09
(AF)	GRAND FORKS AIR FORCE BASE	0.95
(AF)	MINOT AIR FORCE BASE	1.09

STATE	LOCATION	ACF INDEX
OHIO		**0.98**
	DAYTON	0.96
	YOUNGSTOWN	1.00
(A)	RAVENNA ARMY AMMO PLANT	1.03
(AF)	WRIGHT-PATTERSON AIR FORCE BASE	0.96
OKLAHOMA		**0.92**
	LAWTON	0.92
	OKLAHOMA CITY	0.91
(AF)	ALTUS AIR FORCE BASE	0.99
(A)	FORT SILL	0.92
(A)	MCALESTER ARMY AMMO PLANT	0.84
(AF)	TINKER AIR FORCE BASE	0.91
(AF)	VANCE AIR FORCE BASE	0.92
OREGON		**1.06**
	PENDLETON	1.06
	PORTLAND	1.06
(A)	UMATILLA ARMY DEPOT	1.19
PENNSYLVANIA		**1.05**
	PHILADELPHIA	1.10
	PITTSBURGH	0.99
(A)	CARLISLE BARRACKS	0.93
(A)	INDIANTOWN GAP MR	1.00
(A)	LETTERKENNY ARMY DEPOT	0.99
(N)	MECHANICSBURG AREA	0.93
(A)	NEW CUMBERLAND ARMY DEPOT	0.93
(A)	TOBYHANNA ARMY DEPOT	1.07
(N)	WARMINSTER	1.08
(H)	WILLOW GROVE	1.08

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PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
RHODE ISLAND		**1.04**
	NEWPORT	1.04
	PROVIDENCE	1.03
SOUTH CAROLINA		**0.88**
	CHARLESTON	0.92
	COLUMBIA	0.83
(N)	BEAUFORT AREA	1.01
(AF)	CHARLESTON AIR FORCE BASE	0.92
(A)	FORT JACKSON	0.83
(AF)	SHAW AIR FORCE BASE	0.83
SOUTH DAKOTA		**0.94**
	RAPID CITY	0.93
	SIOUX FALLS	0.94
(AF)	ELLSWORTH AIR FORCE BASE	0.93
TENNESSEE		**0.87**
	CHATTANOOGA	0.82
	MEMPHIS	0.92
(AF)	ARNOLD AIR FORCE BASE	0.89
(N)	MEMPHIS NAVAL AIR STATION	1.00
(A)	VOLUNTEER ORDINANCE WORKS	0.82

STATE	LOCATION	ACF INDEX
TEXAS		**0.81**
	SAN ANGELO	0.81
	SAN ANTONIO	0.82
(AF)	BROOKS AIR FORCE BASE	0.82
(A)	CAMP BULLIS	0.82
(N)	CORPUS CHRISTI AREA	0.90
(N)	DALLAS	0.90
(AF)	DYESS AIR FORCE BASE	0.97
(A)	FORT BLISS	0.92
(A)	FORT HOOD	0.85
(A)	FORT SAM HOUSTON	0.82
(H)	FORT WORTH	0.90
(AF)	GOODFELLOW AIR FORCE BASE	0.81
(N)	INGLESIDE NAVAL STATION	0.95
(AF)	KELLY AIR FORCE BASE	0.82
(N)	KINGSVILLE AREA	0.91
(AF)	LACKLAND AIR FORCE BASE	0.82
(AF)	LAUGHLIN AIR FORCE BASE	0.87
(A)	LONE STAR ARMY AMMO PLANT	0.89
(A)	LONGHORN ARMY AMMO PLANT	0.81
(AF)	RANDOLPH AIR FORCE BASE	0.82
(A)	RED RIVER ARMY DEPOT	0.89
(AF)	REESE AIR FORCE BASE	0.88
(AF)	SHEPPARD AIR FORCE BASE	0.93
UTAH		**1.01**
	OGDEN	1.00
	SALT LAKE CITY	1.02
(A)	DUGWAY PROVING GROUND	1.05
(A)	FORT DOUGLAS	1.02
(AF)	HILL AIR FORCE BASE	1.00
(A)	TOOELE ARMY DEPOT	1.05

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PART I – U.S. LOCATIONS

STATE	LOCATION	ACF INDEX
VERMONT		**1.01**
	BURLINGTON	1.02
	MONTPELIER	1.00
VIRGINIA		**0.92**
	NORFOLK	0.94
	RICHMOND	0.91
(H)	CAMP PEARY	0.94
(H)	CHESAPEAKE	0.94
(A)	DAHLGREN	0.98
(A)	FORT A. P. HILL	0.98
(A)	FORT BELVOIR	1.00
(A)	FORT EUSTIS	0.94
(A)	FORT LEE	0.94
(A)	FORT MONROE	0.94
(A)	FORT MYER	1.00
(A)	FORT PICKETT	0.94
(A)	FORT STORY	0.94
(AF)	LANGLEY AIR FORCE BASE	0.94
(N)	QUANTICO	0.98
(A)	RADFORD ARMY AMMO PLANT	0.94
(A)	VINT HILL FARMS	0.94
(N)	WALLOPS ISLAND	1.12
(H)	YORKTOWN	0.94
WASHINGTON DC		**1.00**
(AF)	BOLLING AIR FORCE BASE	1.00
(A)	FORT MCNAIR	1.00
(A)	WALTER REED ARMY MEDICAL CENTER	1.00
WASHINGTON		**1.04**
	SPOKANE	1.02
	TACOMA	1.06
(H)	BANGOR	1.20
(N)	BREMERTON	1.20
(N)	EVERETT	1.11
(AF)	FAIRCHILD AIR FORCE BASE	1.02
(A)	FORT LEWIS	1.06
(N)	INDIAN HEAD	1.20
(AF)	MCCHORD AIR FORCE BASE	1.06
(N)	SILVERDALE	1.19
(N)	WHIDBEY ISLAND	1.27
(A)	YAKIMA FIRING RANGE	1.08
WEST VIRGINIA		**0.96**
	BLUEFIELD	0.94
	CHARLESTON	0.97
(N)	SUGAR GROVE	1.41
WISCONSIN		**1.08**
	MADISON	1.07
	MILWAUKEE	1.08
(A)	BADGER ARMY AMMO PLANT	1.14
(A)	FORT MCCOY	1.16
WYOMING		**0.97**
	CASPER	0.94
	CHEYENNE	1.00
(AF)	F E WARREN AIR FORCE BASE	1.00

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PART II – OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
ANTIGUA		**1.90**	2.70	ANTIGUA $/US $
AUSTRALIA		**1.30**	1.92	AUSTRALIAN $/US $
	DARWIN	1.52		
	PERTH	1.16		
	SYDNEY	1.13		
	WOOMERA AS	1.38		
AZORES		**1.30**	198.83	PORT. ESCUDO/US $
	LAJES	1.30		
BAHAMAS		**1.69**	1.00	BAHAMIAN $/US $
	ANDROS ISLAND		1.69	
BAHRAIN		**1.31**	0.38	BAHRAIN DINAR/US $
BELGIUM		**1.21**	1.031	EURO/US $
	BRUSSELS	1.21		
BERMUDA		**1.55**	1.00	BERMUDA $/US $
CAMBODIA		**1.60**	3,810.00	RIEL/US $
	PHNOM PENH	1.60		
CANADA		**1.29**	1.58	CANADIAN $/US $
	ARGENTIA/ NEWFOUNDLAND	1.29		
CHINA		**1.58**	8.28	CHINESE YUAN/US $
	HONG KONG	1.58		
CRETE		**1.22**	361.4	DRACHMA/US $
	SOUDA BAY	1.22		
CUBA		**1.29**	1.00	US $
	GUANTANAMO	1.29		
DIEGO GARCIA		**2.56**	1.00	US $
	DIEGO GARCIA	2.56		
EGYPT		**1.30**	4.63	POUND/US $
	CAIRO	1.30		
GERMANY		**1.22**	1.031	EURO/US $
	FRANKFURT	1.20		
	KAISERSLAUTERN	1.22		
	SPANGDALHEM	1.23		
	TRIER	1.25		
GREECE		**1.32**	1.031	EURO/US $
	ATHENS	1.32		
GREENLAND		**2.98**	7.39	DANISH KRONE/US $
	THULE	2.98		
GUAM		**2.02**	1.00	US $
	GUAM	2.02		
ICELAND		**2.10**	73.33	KRONA/US $
	REYKJAVIK	2.10		
INDIA		**1.60**	48.64	INDIAN RUPI/US $
	NEW DELHI	1.60		
INDONESIA		**1.21**	10,185.00	INDONISIAN RUPHIAH/US $
	JAKARTA	1.21		
ISRAEL		**1.32**	4.62	NEW SHEKELS/US $

PART II – OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
ITALY		**1.24**	1.031	EURO/ US $
	AVIANO	1.38		
	GAETA	1.18		
	ISOLA DI CAPO RIZZUTO	1.25		
	LA MADDALENA	1.28		
	NAPLES	1.18		
	SIGONELLA	1.15		
JAPAN		**1.62**	125.49	YEN/US $
	ATSUGI	1.66		
	IWAKUNI	1.59		
	MISAWA	1.68		
	OKINAWA	1.52		
	TOKYO	1.64		
	YOKOSUKA	1.64		
JOHNSTON ATOLL		**2.22**	1.00	US $
KOREA		**1.07**	1,255.00	WON/US $
	CHINHAE	1.06		
	CHUNCHON	1.04		
	DMZ ZONE AREA	1.20		
	KUNSAN	1.12		
	OSAN	1.11		
	POHANG	1.04		
	PUSAN	1.04		
	PYONGTAEK	1.04		
	SEOUL	1.03		
	TAEGU	1.12		
	TONGDUCHON	1.04		
	WONJU	1.04		

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
KUWAIT		**1.23**	0.31	DINAR/US $
KWAJALEIN		**2.29**	1.00	US $
MIDWAY ISLAND		**2.21**	1.00	US $
MOROCCO		**1.04**	10.22	DIRHAM/US $
	CASABLANCA	1.04		
NETHERLANDS		**1.27**	2.22	GUILDER/US $
	OSS	1.27		
NEW ZEALAND		**1.68**	2.37	NEW ZEALAND $/US $
	WELLINGTON	1.68		
NORWAY		**1.48**	9.031	KRONER/US $
	OSLO	1.48		
OMAN		**1.12**	0.385	RILOMANI/US $
	RUWI	1.12		
PANAMA		**1.20**	1.00	US $
	PANAMA CITY	1.20		
PHILIPPINES		**0.61**	51.21	PHILIPPINE PESO/ US $
	MANILLA	0.60		
	SUBIC BAY	0.62		
PORTUGAL		**1.24**	1.031	EURO/US $
	LISBON	1.24		
PUERTO RICO		**1.36**	1.00	US $
	ROOSEVELT ROADS	1.36		
	SAN JUAN	1.36		
QATAR		**1.24**	3.75	RIYAL/US $

PART II – OCONUS LOCATIONS

NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS	NATION	LOCATION	ACF INDEX	CURRENCY EXCHANGE	REMARKS
SAUDI ARABIA		**1.14**	3.75	RIYAL/US $					
	RIYADH	1.14							
SEYCHELLES ISLAND		**1.92**	1.00	US $					
SPAIN		**1.28**	1.031	EURO/US $					
	ROTA	1.28							
THAILAND		**1.09**	43.99	BAHT/US $					
	BANGKOK	1.09							
	CHANG MAI	1.09							
	CHANG RAI	1.09							
	KHANCHANA BURI	1.09							
	KORAT	1.09							
	PATTAYA	1.09							
	PHITSANULOK	1.09							
TURKEY		**0.91**	1,694,915	TURKEY LIRE/US $					
	ANKARA	0.91							
	INCIRLICK	0.90							
UNITED ARAB EMIRATES		**1.14**	3.75	RIYAL/US $					
	DUBAI	1.14							
UNITED KINGDOM		**1.22**	0.651	BRITISH POUND/US $					
	FAIRFORD/CROUGHTON	1.20							
	LAKENHEATH	1.20							
	MENWITH HILL	1.20							
	MILDENHALL	1.20							
	ST. MAWGAN	1.22							
	WEST RUISLIP	1.26							

TABLE C: SIZE ADJUSTMENT FACTORS

The Size Adjustment Factor table is based on data analysis that shows a correlation exists between project size and construction cost. Unit construction costs generally are lower for larger projects due to greater opportunities for material quantity discounts and for spreading mobilization, demobilization and general overhead costs over a greater number of units.

All unit costs are based on the referenced facility sizes. Use Table C, Size Adjustment Factor, to adjust unit costs for facilities whenever your project size differs from the referenced facility size shown in Table A. Divide the gross area of your proposed facility by the referenced size for that facility type to determine the size relationship ratio. Use this ratio to find the appropriate size adjustment factor in Table C. Multiply the unit cost from Table A by the size adjustment factor to calculate the adjusted unit cost for your facility, if applicable.

Base your proposed project size on the total project scope to be awarded as a single construction contract, regardless of the number of buildings to be constructed within that scope. If a construction award project is to be broken into a number of discreet phases where the contractor has limited control over the phasing, use the average scope for all phases as the basis for your size adjustment calculations. In addition to using the size adjustment factors, in Table C, for enlisted dormitory (barracks) also use the project size adjustment factors in Table C, as applicable. (See EXAMPLE below.)

> EXAMPLE: You propose to build a 144 Person/Room (4,752 m^2) Enlisted Barracks/Dormitory in FY05. The referenced facility size taken from the unit cost summary is 9,250 m^2. The size relationship ratio is 0.51 (4,752 m^2 divided by 9,250 m^2). Enter Table C to find the Size Adjustment Factor of 1.08 and the project size adjustment factor of 1.03. Multiply the unit cost of \$1615/m^2 by 1.08 and 1.03 to determine that your adjusted unit cost is \$ 1,797/m^2.

> EXAMPLE: You propose to build a 3,500 m^2 multi-purpose administrative facility. The referenced facility size taken from the unit cost summary is 2,300 m^2. The size relationship ratio is 1.52 (3,500 m^2 divided by 2,300 m^2). Enter Table C to find the Size Adjustment Factor of 0.96. Multiply the unit cost of \$1507/m^2 by 0.96 to determine that your adjusted unit cost is \$ 1,447/m^2.

TABLE C: SIZE ADJUSTMENT FACTORS (ALL FACILITIES OTHER THAN HOUSING)

Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor	Size Relationship Ratio	Size Adjustment Factor
< 0.05	1.275	1.00	1.000	2.00	0.942	3.00	0.921
0.05	1.275	1.05	0.995	2.05	0.940	3.05	0.920
0.10	1.269	1.10	0.990	2.10	0.939	> 3.05	0.920
0.15	1.232	1.15	0.986	2.15	0.937		
0.20	1.202	1.20	0.982	2.20	0.936		
0.25	1.175	1.25	0.978	2.25	0.935		
0.30	1.152	1.30	0.974	2.30	0.933		
0.35	1.132	1.35	0.971	2.35	0.932		
0.40	1.114	1.40	0.968	2.40	0.931		
0.45	1.098	1.45	0.965	2.45	0.930		
0.50	1.084	1.50	0.962	2.50	0.929		
0.55	1.072	1.55	0.960	2.55	0.928		
0.60	1.060	1.60	0.957	2.60	0.927		
0.65	1.050	1.65	0.955	2.65	0.926		
0.70	1.041	1.70	0.953	2.70	0.925		
0.75	1.033	1.75	0.951	2.75	0.924		
0.80	1.025	1.80	0.949	2.80	0.924		
0.85	1.018	1.85	0.947	2.85	0.923		
0.90	1.011	1.90	0.945	2.90	0.922		
0.95	1.005	1.95	0.943	2.95	0.921		

MILITARY FAMILY HOUSING PROJECT SIZE ADJUSTMENT FACTORS		**BARRACKS/DORMITORIES PROJECT SIZE ADJUSTMENT FACTORS**	
NUMBER OF UNITS in the project	PROJECT SIZE FACTOR	NUMBER OF ROOMS in the project	PROJECT SIZE FACTOR
1-9	1.25	1-99	1.07
10-19	1.15	100-149	1.03
20-49	1.10	150-199	1.00
50-99	1.04	200-299	0.97
100-199	1.00	300+	0.95
200-299	0.93		
300+	0.90		

TABLE D: INFLATION RATES

The inflation rates in Table D are based upon PBD 604 published by the Under Secretary of Defense (Comptroller) on January 7, 2003. The Table D inflation guidance has an arbitrary baseline of 1.00 for October 2005. The inflation indices are based on the Engineering News Record (ENR) historic data through October 2002 and the Comptroller-projected inflation rates after that date.

Fiscal Year	Mid-Point of Construction (Month Yr)	(Note 1) ENR Indices (Raw)	(Note 2) OSD Inflation rate %	(Note 3) OSD Inflation Indices
1980	Oct 80	1976		0.521
1981	Oct 81	2151		0.567
1982	Oct 82	2262		0.597
1983	Oct 83	2416		0.637
1984	Oct 84	2424		0.639
1985	Oct 85	2441		0.644
1986	Oct 86	2511		0.662
1987	Oct 87	2569		0.678
1988	Oct 88	2612		0.689
1989	Oct 89	2662		0.702
1990	Oct 90	2728		0.720
1991	Oct 91	2786		0.735
1992	Oct 92	2867		0.756
1993	Oct 93	3016		0.795
1994	Oct 94	3116		0.822
1995	Oct 95	3117		0.822
1996	Oct 96	3284		0.866
1997	Oct 97	3372		0.889
1998	Oct 98	3423		0.903
1999	Oct 99	3505		0.924
2000	Oct 00	3547		0.936
2001	Oct 01	3602		0.950
2002	Oct 02	3651		0.963
2003	Oct 03	3680	0.80%	0.971
2004	Oct 04	3735	1.50%	0.985
2005	Oct 05	3791	1.50%	1.000
2006	Oct 06	3852	1.60%	1.016
2007	Oct 07	3918	1.70%	1.033
2008	Oct 08	3988	1.80%	1.052
2009	Oct 09	4060	1.80%	1.071
2010	Oct 10	4133	1.80%	1.090
2011	Oct 11	4207	1.80%	1.110

Note 1: Inflation multipliers through October 2002 are based on Engineering News Record Building Construction Indices.

Note 2: Inflation multipliers after October 2002 are from PBD 604 (Jan 7, 2003) published by USD (Comptroller)

Note 3: Use these inflation indices to adjust unit costs for projects FY 2005 and beyond unless OUSD modifies the rate. The inflation rates are subject to change during the course of the budget.

Office of the Deputy Under Secretary of Defense for Installations and Environment