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DEPARTMENT OF DEFENSE  
**BASE STRUCTURE REPORT**

For

**FY 1987**

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**JANUARY 1986**

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**OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE  
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BASE STRUCTURE REPORT

FOR  
FY 87

JANUARY 1986

Prepared by

Office of the Assistant Secretary of Defense  
(Acquisition and Logistics)

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## CHAPTER ONE

### INTRODUCTION

The Department of Defense is pleased to submit the tenth Base Structure Report to the Congress, in compliance with Section 138(c) of Title 10, United States Code. This report is an Annex to the FY 1987 Defense Manpower Requirements Report.

This report should be read and used in conjunction with the following related Department of Defense (DoD) FY 1987 reports which contain information on the DoD forces, personnel, funds, equipment, and other resources needed for FY 1987 and beyond:

- o Department of Defense Annual Report, Fiscal Year 1987 from the Secretary of Defense.
- o The Defense Manpower Requirements Report for FY 1987.
- o The Military Manpower Training Report for FY 1987.

#### I. REPORTING REQUIREMENT

This report on the DoD base structure is required to be submitted to the Congress under the provisions of paragraph (3) of Section 138(c) of Title 10, United States Code that requires submission of the annual Defense Manpower Requirements Report. The Base Structure Report will identify, define and group by mission and by region the types of military bases, installations and facilities and will provide an explanation and justification of the relationship between this base structure and the proposed military force structure together with a comprehensive identification of base operating support costs and an evaluation of possible alternatives to reduce such costs.

In addition, the report includes information on the historical trends of the base structure and data on the size and population of the installations listed in Section VI of each of the Military Service Chapters as required by Senate Armed Services Committee Report Number 95-129.

## II. CONTENT AND ORGANIZATION

The Report contains information on the DoD base structure associated with the forces and personnel levels included in the President's Budget for FY 1987. The Report has been prepared with the intent of providing an understanding of the scope, size and purpose of the base structure as it exists at the present time. The base structure is identified in this report by Military Service and regionally, by bases in the 50 States, U.S. Territories and Possessions, and foreign overseas areas. Listed in the report are installations which can be directly related to the force levels of the Military Services. Installations have been categorized and are discussed on the basis of their primary mission. The categorization of installations is based upon a classification system developed for this report and is depicted on Tables I and II at the end of Chapter One. For the most part, Reserve Centers, Reserve Component weekend training sites and other small properties are not separately identified. Also not included are separate properties used for housing sites, navigational aids, radar sites, etc. In addition to classification of the base structure, as part of the justification and explanation of the base structure, the major unit, activity, or purpose of each separately identified installation is provided.

Base operations support costs for each Service, as compiled from the DoD budget process, are also identified together with an explanation of actions being taken by the Defense Department to reduce such costs. Proposed actions affecting the base structure and base operations support costs are also highlighted and discussed.

The report is organized into five chapters:

### Chapter One - INTRODUCTION

This chapter includes an introduction to the report, an explanation of the DoD Installation Defense Planning and Programming (IDPP) Categories, the scope, size, and real property investment of the entire DoD base structure, and the definition of base operations support costs.

## Chapters Two through Five - MILITARY SERVICE BASE STRUCTURES

These chapters discuss in detail the relationship of the base structure to the Service force structures; the composition of base operations support costs and the programmed expenditures for this area; actions taken to reduce annual base operations support costs; and the identification of Service installations worldwide. Chapter Two provides the information on the Army base structure, Chapter Three the Navy base structure, Chapter Four the Air Force base structure, and Chapter Five the Marine Corps base structure. Each chapter contains the following Sections.

<u>Section</u>	<u>Title</u>
I	Introduction
II	Base Structure Overview
III	Relationship of Base Structure to Force Structure
IV	Base Operations Support Costs
V	Actions to Reduce Annual Base Operations Support Costs
VI.	Service Base Structure Listing by Geographic Area

### III. DOD BASE STRUCTURE

The worldwide DoD base structure for FY 1987 comprises separate installations and properties and will accommodate an active force of 2,151,000 military and 1,043,000 civilian personnel. These installations and properties range from a small, one-half acre of land for a navigational aid, to the Army's Fort Hood, TX, the most heavily populated to Nellis AFB, at three million acres, the largest in the DoD inventory. Table III at the end of this chapter depicts the total DoD properties and installations by Military Department and region (U.S., U.S Territories and Possessions and foreign overseas areas).

Worldwide, the installations and properties under the control of the DoD at the end of FY 1987 comprise 26.4 million acres of land of varying interests with a total original real property investment cost of \$62.5 billion. The total acreage and real property investment by Military Department and by region are shown in Table IV at the end of Chapter One.

#### IV. REGIONAL CLASSIFICATION

The DoD base structure has also been classified by region, which together with the Installation Planning and Programming, (IDPP), Category Classification System and the actual location of each military base enables identification of the purpose, region and location of each principal base. The regional classification for the military base structure is based upon the location of the military base in the 50 States, U.S. Territories and Possessions, or foreign overseas areas.

#### V. CATEGORIZATION OF MILITARY INSTALLATIONS

The four Military Services, in the following chapters, identify and group their principal installations and associated important properties using the IDPP Category and regional classification systems developed for this report. Each such installation is identified by name, location of nearest city, State, and its major unit, activity, or function. A narrative explanation and justification by IDPP Category of the base structure in relation to the force levels is presented in each of the Military Services' Chapters. The Senate Armed Services Committee requires that information on the size and population of the installations be included. Two categories of population data are depicted on the listings. The authorized full time permanently assigned military and civilian personnel represent the basic installation population. Added to this population are the appropriated fund financed contractor personnel assigned to the installation, the average daily student load, if applicable, and a daily equivalent Reserve Component training load, as appropriate, to result in the "total personnel" at the installation. This latter figure more accurately reflects the installation population workload. Both the population and land area data in the listings are for the end of the latest available fiscal year. Table VI contains a summary, by IDPP category and by regional classification, of the number of installations and properties listed in Section VI of each of the Military Service Chapters.

#### VI. BASE OPERATIONS SUPPORT COSTS

All base operations support, either directly or indirectly, contributes to the mission of the strategic and tactical forces; however, this report identifies base operations support as that support which is considered to be the overhead costs, (i.e., the general cost of doing business or, conversely, the cost of mission operations not readily assignable to the missions themselves) of operating the defense base structure.

The definition of base operations support costs which this report follows provides a reasonable and uniform basis for reporting the support costs of operating defense installations to the Congress. Base operations support costs refers to the cost of services -- goods and people -- needed to operate and maintain defense installations so that the operational forces can pursue their mission objectives. This includes:

- o Real Property Maintenance Activities - (Maintenance and repair, minor construction, operation of utilities, and other engineering support)
- o Base Operations Support - (Payments to the General Services Administration, administration, retail supply operations, maintenance of installation equipment, bachelor housing operations/furniture, morale, welfare and recreation activities, other base services, and other personnel support)
- o Other Base Operations Support - (Costs not included in the Base Operations Support category above) such as authorized military and family housing construction, family housing operations and maintenance, and commissary operations.

## VII. CONCLUSION

In conclusion, the base structure is a dynamic element of the DoD force posture and has evolved over time to its present composition and size. Changing forces, wartime scenarios, resources availability, technology and many other factors influence its size and composition. In addition, the DoD is constantly trying to improve the management and efficiency of the base structure. In all these actions, DoD has the objective of establishing the most effective, efficient and economic base structure to meet current and projected peacetime, contingency, and mobilization requirements.

TABLE I

DEPARTMENT OF DEFENSE BASE STRUCTURE ANNEX  
 INSTALLATION DEFENSE PLANNING AND PROGRAMMING (IDPP) CATEGORY CLASSIFICATION

DEFENSE PLANNING AND PROGRAMMING CATEGORIES	MAJOR DEFENSE PROGRAMS									
	01 STRATEGIC	02 GENERAL PURPOSE	03 INTELL & COMM	04 AIRLIFT/ SEALIFT	05 GUARD & RESERVE	06 RESEARCH & DEVELOP	07 CENTRAL SUPPLY & MAINT	08 TRAINING MEDICAL & OTH PERS	09 ADMIN & ASSOCIATED	10 SPT OF OTHER NATIONS
STRATEGIC FORCES 1	STRAT AIRCRAFT STRAT MISSILE CMD ENTL COMM SURV & WARN CYCL DEFENSE		NAT WML COMB SYS		STRAT AIRCRAFT STRAT MISSILE	STRAT ACFT PROJ STRAT WML PROJ CMD/ENTL PROJ SURV & WARN PROJ				
GENERAL PURPOSE FORCES 2		DIVISION FORCES THEATER FORCES TACTICAL AIRCRAFT TAC AIR CONTROL NAVAL FORCES	TAC AIR CONTROL AEROSPACE MEDICINE	TACTICAL AIRLIFT STRATEGIC AIRLIFT SEALIFT TRAFFIC MGMT	DIVISION FORCES THEATER FORCES TACTICAL AIRCRAFT TAC AIR CONTROL NAVAL FORCES AIRLIFT (TAC & STRAT) SEALIFT	DIVISION FCS PROJ TAC ACFT PROJ TAC AIR ENTL PROJ NAVAL FCS PROJ				
AUXILIARY FORCES 3			INTELLIGENCE COMMUNICATIONS GEOPHYSICAL		INTELLIGENCE COMMUNICATIONS GEOPHYSICAL	RESEARCH PROJECTS EXPLORE DEV PROJ ADVANCED DEV PROJ ENG DEV PROJECTS MANAGEMENT	EASTERN TEST RANGE			NATO INFRASTRUCT BASES/TERRAIN/INTELS MILITARY ASSISTANCE
MISSION SUPPORT FORCES 4	BASE OPERATIONS BASE COMM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COMM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COMM AIR TRAFFIC CNTL COMMAND	BASE OPERATIONS BASE COMM COMBAT TRAINING COMMAND	BASE OPERATIONS BASE COMM COMBAT TRAINING COMMAND MID BASE UNITS					INTERNATIONAL HQ
CENTRAL SUPPORT FORCES 5		BASE OPERATIONS AERIAL DEMO LOGISTIC SUPPORT	BASE OPERATIONS BASE COMM COUNTERINTEL INVESTIGATION NUCLEAR ASST		BASE OPERATIONS MEDICAL RECRUITING TRAINING COMMAND LOGISTICS	MEDICAL PROJECTS MANPOWER PROJECTS	BASE OPERATIONS BASE COMM COMMAND CENTRAL SUPPLY CENTRAL MAINT OTHER LOG SPT	BASE OPERATIONS BASE COMM MEDICAL RECRUITING EDUCATION & TRN COMMAND	BASE OPERATIONS BASE COMM COMMAND PUBLIC AFFAIRS OTHER ADMIN FED ACY SPT	
INDIVIDUALS 6	COMB TNG STUDENTS	CREW TNG STUDENTS		CREW TNG STUDENTS	RECRUIT TNG STUDENTS			TRANSIENTS PATIENTS PROBATION TRAINING STUDENTS CADETS		

PROGRAM ELEMENT GROUPINGS

TABLE II  
 INSTALLATION DEFENSE PLANNING  
 AND PROGRAMMING (IDPP) CATEGORIES

<u>IDPP</u>	<u>CATEGORY</u>
101	Strategic Forces - Strategic
103	Strategic Forces - Intelligence and Communications
105	Strategic Forces - Guard and Reserve
106	Strategic Forces - Research and Development
202	General Purpose Forces - General Purpose
203	General Purpose Forces - Intelligence and Communications
204	General Purpose Forces - Airlift/Sealift Forces
205	General Purpose Forces - Guard and Reserve
206	General Purpose Forces - Research and Development
303	Auxiliary Forces - Intelligence and Communications
305	Auxiliary Forces - Guard and Reserve
306	Auxiliary Forces - Research and Development
307	Auxiliary Forces - Central Supply and Maint. (Eastern Test Range)
401	Mission Support Forces - Strategic
402	Mission Support Forces - General Purpose
403	Mission Support Forces - Intelligence and Communications
404	Mission Support Forces - Airlift/Sealift Forces
405	Mission Support Forces - Guard and Reserve
502	Central Support Forces - General Purpose
503	Central Support Forces - Intelligence and Communications
505	Central Support Forces - Reserve and Guard
506	Central Support Forces - Research and Development
507	Central Support Forces - Central Supply and Maintenance
508	Central Support Forces - Training, Medical and Other Personnel
509	Central Support Forces - Administration and Associated Activities
601	Individuals - Strategic
602	Individuals - General Purpose
603	Individuals - Intelligence and Communications
604	Individuals - Airlift/Sealift Forces
605	Individuals - Guard and Reserves
608	Individuals - Training, Medical and Other Personnel

TABLE III  
 DEPARTMENT OF DEFENSE  
 MILITARY PROPERTY SUMMARY  
 SEPTEMBER 30, 1985

	<u>50 STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVERSEAS AREAS</u>	<u>TOTAL</u>
ARMY	1,256	15	823	2,094
NAVY <u>1/</u>	498	20	63	581
AIR FORCE	<u>2,073</u>	<u>25</u>	<u>642</u>	<u>2,740</u>
TOTAL	3,827	60	1,528	5,415

1/ Includes Marine Corps

TABLE IV

DEPARTMENT OF DEFENSE  
 REAL PROPERTY HOLDINGS  
 SEPTEMBER 30, 1985  
 (MILLIONS OF ACRES)

	<u>50 STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVERSEAS AREAS</u>	<u>TOTAL</u>
ARMY	11.505	.025	.357	11.887
NAVY <u>1/</u>	3.636	.082	.249	3.967
AIR FORCE	<u>9.158</u>	<u>.026</u>	<u>1.404</u>	<u>10.588</u>
TOTAL	24.299	.133	2.010	26.442

REAL PROPERTY INVESTMENT  
 SEPTEMBER 30, 1985  
 (\$MILLIONS)

ARMY	\$ 18,010	464	1,696	20,170
NAVY <u>1/</u>	16,148	969	2,234	19,351
AIR FORCE	<u>19,142</u>	<u>412</u>	<u>3,427</u>	<u>22,981</u>
TOTAL	\$ 53,300	1,845	7,357	62,502

1/ Includes Marine Corps

TABLE V  
SUMMARY OF MAJOR DEFENSE PROGRAMS  
BASE OPERATIONS SUPPORT COSTS (\$MILLIONS)  
DEPARTMENT OF DEFENSE

<u>MAJOR DEFENSE PROGRAMS</u>	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	2,292.2	36.3	34.6	2,363.1
General Purpose (02)	4,513.0	50.1	5,136.3	9,699.4
Intell. & Comm. (03)	236.8	17.5	106.8	361.1
Air/Sealift (04)	955.9	--	42.7	998.6
Guard & Reserve (05)	1,088.4	.5	--	1,088.9
Research & Develop (06)	466.9	--	--	466.9
Cent. Supply & Maint. (07)	2,593.8	23.3	165.2	2,782.3
Trng. Med, & Other Personnel (08)	3,239.5	6.7	71.6	3,317.8
Admin. & Assoc. (09)	548.4	--	2.8	551.2
Spt. of Other Nations (10)	--	--	--	--
<b>Total</b>	<u>15,934.9</u>	<u>134.4</u>	<u>5,560.0</u>	<u>21,629.3</u>
Construction	5,246.0	85.8	1,535.2	6,867.0
Family Housing Operations and Maintenance	1,564.6	194.8	1,039.6	2,799.0
<b>Total</b>	<u>22,745.5</u>	<u>415.0</u>	<u>8,134.8</u>	<u>31,295.3</u>

TABLE VI

SUMMARY OF NUMBER OF DOD INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
<b>STRATEGIC FORCES</b>				
- STRATEGIC (101)	88	1	3	93
- INTELLIGENCE AND COMMUNICATIONS (103)	1		1	2
- GUARD AND RESERVE (105)	12			12
- RESEARCH AND DEVELOPMENT (106)	6	1		7
<b>GENERAL PURPOSE FORCES</b>				
- GENERAL PURPOSE (202)	120	5	262	387
- AIRLIFT/SEALIFT FORCES (204)	21		6	27
- GUARD AND RESERVE (205)	144	3		147
<b>AUXILIARY FORCES</b>				
- INTELLIGENCE AND COMMUNICATIONS (303)	30	2	18	50
- RESEARCH AND DEVELOPMENT (306)	82	1	1	84
- CENTRAL SUPPLY AND MAINTENANCE (EASTERN TEST RANGE) (307)	3			3
<b>MISSION SUPPORT FORCES</b>				
- STRATEGIC (401)	1			1
- GENERAL PURPOSE (402)	51	1	22	74
<b>CENTRAL SUPPORT FORCES</b>				
- CENTRAL SUPPLY AND MAINTENANCE (507)	169	4	17	190
- TRAINING, MEDICAL AND OTHER PERSONNEL (508)	143	1	5	149
- ADMINISTRATION AND ASSOCIATED ACTIVITIES (509)	2			2
<b>TOTAL DEPARTMENT OF DEFENSE</b>	<b>874</b>	<b>19</b>	<b>335</b>	<b>1228</b>

Note Includes 14 DoD Agency installations in IDPPC Category 507

## CHAPTER TWO

### ARMY BASE STRUCTURE

#### I. INTRODUCTION

The Army Base Structure Chapter to the Manpower Requirements Report for FY 1987 is submitted in compliance with Section 138 of Title 10, United States Code, as amended by Senate Armed Services Committee Report No. 95-129. This chapter is comprised of five basic sections. Section I is the Introduction. Section II, Base Structure Overview, discusses historical data on the base structure and related manpower trends, outlines the factors which have influenced the Army base structure from World War II to the current date, and details the criteria expected to apply to installation planning for the next 20 years. Section III relates the needs of the major activities within each Installation Defense Planning and Programming (IDPP) category to the current base structure. Major changes to the FY 1987 base structure are also described. Section IV gives a breakdown of projected Army Base Operations Costs for FY 1987. Section V summarizes recent major actions taken to reduce Base Operations Costs and outlines criteria which would apply to such actions in the future.

Section VI consists of the listing of the installations, activities, and properties comprising the base structure.

It should be noted that many large installations have multiple missions and that primary missions shown in Section VI are not necessarily all inclusive. For instance, Fort Knox, Kentucky, supports the Armor School, an Army Training Center, and a major combat unit.

## II. BASE STRUCTURE OVERVIEW

The mission of the U.S. Army is to organize, train, and equip for prompt and sustained combat coincident with operations for effective prosecution of war. That mission entails a wide variety of functions requiring both general and specialized base structure support.

The Army supports that mission from an essentially fixed base structure which has evolved from past requirements. The current base structure was shaped by the demands of World War II and the Korean War. While the force structure, weapons technology, and tactics have continually changed, the face of the base structure, the inherent land and real property assets have remained constant. Within that framework there have been efforts to improve and optimize the base structure to meet the current needs of the Army.

Stationing decisions for Army units and operations are made to optimally balance mission requirements with the base structure available. As a result, the Army has been able to reduce the number of installations by nearly 200 in the last decade.

The Army is basically tied to its existing installations to support its current force structure. Due to aging base structure and constrained land assets, the Army is defining a base structure policy as maintaining the current facilities, correcting deficiencies, and replacing or renovating the deteriorated facilities to provide the best mix of maintenance, construction and renewal. Operationally the Army is innovatively providing for acquiring and sustaining proficiency within the most effective use of existing resources. The Base Structure of the Army today is constantly being reviewed with the objective of maximizing its utilization.

The following factors will govern Army installation planning for the next 20 years:

1. Population Migration - The concentration of the U.S. population is projected to move toward the southern and western states. This will lead to potential conflict for land use between the Army and private interests in those areas. In light of the projected land restrictions and increased real estate costs, future land requirements must be identified and the rights acquired as soon as possible.

2. Socio-Economic and Environment Encroachment - Commercial and environmental interests will increasingly create pressures on our installations to divest real estate or restrict utilization. The Army must recognize this requirement and responsibility and move to emphasize innovative land use and improve future planning.

3. Political Interest - A national consensus exists in favor of Defense economy and efficiency and that will drive close scrutiny of base operations. There will be escalating pressure for base closures and realignments.

4. Technology Impacts - Many Army installations are dependent upon existing technologies. Expanding technologies will impact the infrastructure of the installations as communications systems change, transportation nets such as railroads which formed the major transportation systems for many installations are abandoned, and new weapons and training strategies change facilities requirements.

Emphasis must be placed on continued improvement in planning toward the future organization, physical structure, modernization, and location of Army installations and activities. These considerations will undoubtedly entail significantly increased costs in both the planning and implementation phases of these actions. The continuing decrease in undeveloped land demands sophisticated planning for the acquisition, use, and release of Army property.

The preceding broad factors are, in the main, oriented toward retention and/or expansion of the existing Army base structure overall. In the event adjustments are required within the existing structure due to major force structure changes, mission changes, budgetary considerations, or other factors, the following specific criteria would, in varying degrees, be applied to future realignment actions.

1. MISSION REQUIREMENTS. The stated or postulated mission requirements of specific activities, within the context of the entire force structure, should be the principal factors which drive choices among stationing alternatives. They are the baseline against which all other factors must be weighed. Mission requirements are increased by new weapon systems which require more training land/space.

2. BUDGET/MANPOWER CONSTRAINTS. These inseparably related factors are the principal limitation to attaining and maintaining a particular base structure at all levels. They can influence decisions on retention of individual structures or retention of entire installations.

3. COST SAVINGS. A major objective of the Army is to accomplish the assigned mission at the least cost. Where otherwise comparable alternatives exist the true "least cost" both in terms of dollars and manpower must be selected. Typically an installation closure will not produce total savings of its annual base operations costs because continuing activities will have to be accommodated elsewhere, in-house, or by other means, such as by contract.

4. PERSONNEL TURBULENCE. The adverse impact of military and civilian personnel turbulence must be given consideration because of both the high costs and the adverse effect on morale, productivity, and readiness.

5. CIVILIAN LABOR MARKET. Many Army missions involve utilization of a highly specialized and unique civilian work force. Many of these people establish deep roots in the local community and are reluctant to relocate with the transfer of the functions they perform. The lack of an appropriate labor market thus becomes a factor in evaluating proposed realignment actions.

6. FACILITIES/HOUSING AVAILABILITY. Maximum utilization of existing facilities with minimum expenditures for new facilities is a major goal in all realignment actions. This includes both mission related facilities and support facilities on-post and available housing both on-post and off-post. Large capital investments for replacement facilities mitigate against relocation of activities which require highly specialized, high cost facilities or, in the case of major combat units, large land areas.

7. CAPITAL INVESTED. This factor is directly related to the preceding factor. Having made a large capital investment in facilities at a particular installation, the Army tends to be tied to that installation for the duration of the useful life of the facilities.

8. GEOGRAPHIC LOCATION. The geographic location influences the ability of assigned forces to execute their mission. Weather, terrain, proximity to air and surface transportation, etc., all contribute to retention of installations which enhance operational effectiveness. Likewise, selection of new installations for stationing must take all of these geographically related factors into account.

9. LAND AREA. The need for adequate and suitable land area to support major combat units and their supporting forces is a major consideration. Bases must be capable of supporting the readiness and deployment training of the assigned forces as envisioned in the United States strategy. This requirement often determines which bases will be retained in the active inventory.

10. IMPACT ON OTHER SERVICES/AGENCIES. The Army provides support to many units and activities of the Department of Defense and other Federal agencies. Inherent in any base realignment action is consideration of the impact on those agencies.

11. COMMUNITY IMPACT. Civilian support resources (e.g., community housing, medical facilities, schools, and recreational facilities) are a consideration in developing base realignment actions. Of particular importance is family housing. Adequate support should exist either on or off a gaining installation to avoid a realignment action being counter-productive in terms of morale. Conversely realignment actions which reduce the Army presence in an area may cause serious impact on civilian communities, particularly those in which the major source of the economic base is the military installation. When possible, realignment actions are designed to minimize the impact on local communities.

12. ENVIRONMENTAL IMPACT. All realignment actions must be assessed to determine their impact on the environment.

13. ENERGY RESOURCE IMPACT. An initial assessment addressing such factors as energy requirements, availability, and cost must be made to determine the potential energy impact of all installation realignments, reductions, or closures.

14. RESERVE COMPONENTS SUPPORT. The increased emphasis on the utilization of Reserve Component forces to meet future contingency requirements must be considered. These units are generally constituted in areas where there are population resources. Their readiness depends on, among other things, access to adequate local ranges and training areas. This requires that the range facilities and training areas not only be of the proper size and configuration, but also that they be within reasonable commuting distance. Many of our bases, both active and inactive, are used extensively for support of these units both for weekend training and annual training. The impact on these type units is an integral part of any analysis.

15. MOBILIZATION AND CONTINGENCY REQUIREMENTS. The type and number of bases required are determined by the need to be capable of supporting the strategy directed by national policy and the operational and training requirements of the Army. The base structure must provide sufficient flexibility to support various contingencies, to include the expansion of the training base, when required, to provide sufficient trained personnel to meet the contingencies.

16. ENCROACHMENT. Urban and airspace encroachment into vital areas surrounding installations is of continuing concern. Some installations which were originally remote have attracted major population growth and, as a result, continued operations have been threatened through urban expansion. Civilian aviation activity has served to restrict the airspace available for military operations at some installations. Encroachment, therefore, is an element which must be considered in determining the future viability of an installation. It is also possible that major weapons changes may effectively "outgrow" existing installation sizes. For example, ranges now adequate for artillery firing may become too small for artillery weapons which may be introduced in the future.

17. LONG-RANGE PLANS. Force expansion studies, total Army analysis, and other force-related planning tools predict with some measure of certainty the size and shape of future force needs. However, since the future forces cannot be predicted with certainty and are subject to programmed changes, flexibility to accommodate these changes within the base structure should be preserved when possible and economical. This entails developing reasonable assumptions on what unprogrammed force changes might occur and determining how the various options could support the assumed force changes.

### III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

The Army's major combat mission elements use their portion of the base structure only for training, quartering of personnel, and maintenance of equipment in preparation for the combat mission and then as a sustaining base in the event of actual conflict.

Overseas deployed units should be located in close proximity to the area of their anticipated wartime mission. The precise locations, however, are determined by what the host government can and will make available. Major factors impacting on decisions for overseas base structure support include mission requirements, political considerations, host nation support, and the availability of U.S. funding.

The stationing of divisions and other major tactical units is given priority consideration based on such critical factors as the presence of adequate maneuver and training space and ranges, the availability of housing and support, and restricting environmental impacts. Since stationing choices are of necessity made from existing installations originally acquired to meet less demanding past conditions, these stations involve some compromise of currently forecasted ideal conditions. As noted in Section II, modernized forces are presently "outgrowing" their installations. For those divisions having prepositioned unit equipment in overseas theaters, precise location in CONUS vis-a-vis the primary wartime mission is no longer a major consideration. Strategic airlift can move personnel and their individual equipment east or west with minimal significant time differential. For units scheduled to move by surface transport with full equipment later in a particular deployment scenario, location within the CONUS is still a consideration.

The CONUS logistics base structure, to include installations with research and development as primary missions, is also largely evolutionary. It is what remains of World War II mobilization, created at widely dispersed locations in anticipation of enemy attack against the homeland. Much rationalized and modernized, it is serviceable and capable of performing its mission of supporting deployed forces.

#### STRATEGIC FORCES (100)

##### Base Requirements:

The basing of strategic forces is confined primarily to communications type activities which are normally satellited on installations for logistical support.

GENERAL PURPOSE FORCES (200)

Base Requirements:

The Army must train the way it will fight. The battalion task force, the lowest level at which all elements of the combined arms team come together, must regularly practice offensive and defensive tactics deployed on frontages and depths comparable to those expected in wartime. When battalions have demonstrated critical task proficiency, brigade exercises should be conducted so as to bring into play the full range of fire support, operations, and logistical contingencies. Division commanders should deploy critical elements of their commands in order to exercise an appropriate range of combined arms operations in a joint setting.

Units without prepositioned equipment overseas should be located at installations in proximity of, or having easy access to air and surface transportation, the port of embarkation (sea and air) from which they are most likely to deploy, in order that they can respond quickly to early deployment requirements. Units should also be stationed in proximity to the coasts and borders of the Nation to be in a position to counter threats to CONUS, yet they must have sufficient land to train and fire their weapons. They should not be stationed near heavily populated areas, industrial complexes, or other strategic targets. The surrounding area should offer sufficient space for dispersal to ensure that the unit itself does not present an inviting military target and is afforded a reasonable degree of survivability. Training areas should provide the force with a wide array of climatological and topographical features in which to train and which represent a cross-section of the world's environments.

Active installations should be located so as to readily accommodate Reserve Component units in the event of mobilization, without necessitating excessive movement and delay from home station to mobilization station. Implicit also in the mobilization stationing requirement is the necessity for providing Reserve Component units with annual training and inactive duty training sites.

In the continental United States, the major active combat units are: 11 divisions (includes four divisions with two active brigades and one Army National Guard roundout brigade), two separate brigades, an air cavalry combat brigade, an infantry

(ranger) regiment, and an armored cavalry regiment. The units are structured for a variety of environments and missions. The goal is to maintain a force which is available for rapid commitment.

In Europe, four divisions, three forward deployed and one special mission brigade, and two armored cavalry regiments retain the high level of readiness necessary to permit an immediate response to any aggression against the NATO alliance.

In the Pacific, the divisions in the Republic of Korea and Hawaii are ready to perform their assigned combat mission.

The Army has deployed the 6th Infantry Division (Light) with two active brigades and one roundout brigade in Alaska and one special mission brigade in Panama to provide a ready response to any contingency which might arise in those areas.

All ten Army National Guard divisions, 17 combat brigades (five of which roundout active divisions), and four armored cavalry regiments are located in the continental United States. Additionally, one combat brigade is located in Hawaii and one combat brigade is located in Puerto Rico. The Army Reserve has three combat brigades in the United States. Both the Army National Guard and the Army Reserve major combat units provide the Total Army a substantial combat force. The following depicts stationing of Active and Reserve Component divisions:

Active Divisions

Location

1st Infantry (Mechanized) <u>1/</u>	Fort Riley, Kansas
2d Infantry <u>3/</u>	Camp Casey, Korea
3rd Infantry (Mechanized) <u>3/</u>	Wurzberg, Germany
4th Infantry (Mechanized) <u>1/</u>	Fort Carson, Colorado
5th Infantry (Mechanized) <u>2/</u>	Fort Polk, Louisiana
6th Infantry (Light) <u>2/</u>	Fort Wainwright, Alaska
7th Infantry (Light) <u>2/</u>	Fort Ord, California
8th Infantry (Mechanized) <u>3/</u>	Bad Kreuznach, Germany
9th Infantry	Fort Lewis, Washington
10th Infantry (Light) <u>2/</u>	Fort Drum, New York
24th Infantry (Mechanized) <u>2/</u>	Fort Stewart, Georgia
25th Infantry (Light) <u>2/</u>	Schofield Barracks, Hawaii
1st Cavalry <u>2/</u>	Fort Hood, Texas
1st Armored <u>3/</u>	Ansbach, Germany
2d Armored <u>1/</u>	Fort Hood, Texas

3rd Armored 3/  
82d Airborne  
101st Airborne (Air Assault)

Frankfurt, Germany  
Fort Bragg, North Carolina  
Fort Campbell, Kentucky

Army National Guard Divisions

Location 4/

26th Infantry  
28th Infantry  
29th Infantry (Light)  
35th Infantry (Mechanized)

Massachusetts/Connecticut  
Pennsylvania  
Maryland/Virginia  
Kansas/Nebraska/Missouri/  
Kentucky

38th Infantry  
40th Infantry (Mechanized)  
42d Infantry  
47th Infantry  
49th Armored  
50th Armored

Indiana/Michigan  
California  
New York  
Minnesota/Iowa/Illinois  
Texas  
New Jersey/Vermont

- 1/ One brigade deployed forward.
- 2/ Roundout division.
- 3/ Locations shown are division headquarters. Units are dispersed at multiple sites.
- 4/ First state listed is division headquarters.

Nondivisional combat general purpose forces are distributed throughout the base structure with emphasis on providing balanced forces at the major combat unit installations.

The Army must also maintain semiactive installations which are required primarily for the support of training of the Reserve Components and for mobilization. In addition, there are State-owned/leased installations which are required for support of weekend and annual training and mobilization. Active component installations also perform these functions but are not adequate to satisfy the total requirement. The Army cannot fulfill full mobilization requirements in the time frame envisioned under current strategy unless these installations are maintained. Access to additional acreage for maneuver purposes will be essential to the extensive training required to make the mobilized force fully combat ready.

Terminal and outport functions are under the Military Traffic Management Command (MTMC), which has area command headquarters at Bayonne, New Jersey and Oakland, California.

Each area command headquarters commands a military ocean terminal for general cargo at its respective location and military outports at various commercial ports. The DOD transportation mission is accomplished almost exclusively by utilizing commercial resources. The military ocean terminals, which are shared with industry during peacetime, will be returned to military use when needed. Hazards involved in moving ammunition require that separate Government-owned terminals be maintained.

#### AUXILIARY FORCES (300)

##### Basing Requirements:

Research, development, testing, and evaluation (RDT&E) of Army materiel, weapons, and support systems are accomplished primarily by the US Army Materiel Command (AMC), US Army Medical Research and Development Command, and US Army Corps of Engineers. Accomplishment of these missions requires availability of numerous test facility complexes, laboratory and research facilities, and administrative headquarters facilities. These facilities are either operated as RDT&E installations/activities or as tenant facilities on other than RDT&E installations. Generally, these research and testing facilities require a highly sophisticated equipment inventory and work force. Facilities devoted to testing are usually located in remote areas necessitating maintenance of a constant on-site work force. These facilities are an integral part of the Army's overall materiel development and acquisition mission and significantly contribute to the attainment of US efforts to maintain a lead in weapon systems technology.

The US Army Information System Command (USAISC) provides Army-wide non-tactical communications and air traffic control support. To provide base communications support, USAISC requires tenant facilities at most installations. Additionally, installations are used by USAISC to support the Defense Communications System and Army command and control requirements.

## MISSION SUPPORT FORCES (400)

### Basing Requirements:

To provide adequate command, control, and management of Army resources, it is essential that necessary administrative space be available. These installations serve as homes for major command headquarters, for units engaged in supervising Reserve Component training and readiness, and for unique specialized functions. They require a highly sophisticated work force not normally found at remote locations and rapid modes of close-in transportation. They are an integral part of the "Total Army" and significantly contribute to the attainment of a combat ready Army.

## CENTRAL SUPPORT FORCES (500)

### Basing Requirements:

Since 1813, arsenals have been the continuing centers for the preservation of unique skills required for the defense of the United States. Their role has evolved from one of manufacturing, storage, and maintenance of weapons to one of serving as the nuclei from which private industry obtained "know-how" to mass produce a multitude of products used in war. More recently their manufacturing activities have been limited to production of very small quantities of items where a producer in private industry could not be found. Their primary mission is to support the research and development program by providing the capability to build prototype research and development items and to provide a production base in the event of mobilization. A second major area of production type bases is the Government-owned, contractor-operated (GOCO) plants used in the production of munitions, tanks, aircraft, electronics, and missiles. A number of these are presently in standby status, with others active. The fact that these plants are contractor-operated provides the Army the flexibility to more readily expand or contract our capability consistent with requirements. Continued modernization of these plants is essential to assure a viable capability attuned to prospective needs.

Depot storage and maintenance requirements consist of:

1. Wholesale depots which have the responsibility for the storage, maintenance, and distribution of major items including storage of go-to-war stocks for Reserve Component forces. These depots may also have the additional requirement

for safe storage, maintenance, distribution and, in some cases, demilitarization of explosives, special weapons, and toxic and chemical materiel.

2. Distribution depots which have the responsibility for supporting assigned geographic areas, both CONUS and overseas, for storage and distribution of secondary items. In some instances, they have maintenance activities and may continue to have this mission in the future.

Service schools have the primary mission of replenishing forces with trained personnel in peacetime and maintaining a wartime expansion capability to support mobilization. Driven by improvements in communicative technology and by the need to conduct training relevant to new organizations, tactics, and weapons systems, these schools will aim at establishing centers of excellence for the training and doctrine of all branches.

The initial entry level training centers will develop and administer programs of instruction driven by the same factors discussed above on Service schools.

Medical facilities and activities provide health services to active Army forces and other authorized beneficiaries. Station (community) hospitals provide basic and general ambulatory and inpatient health services. In addition to basic and general health services, Army medical centers provide regional specialty and sub-specialty consultative and referral health services for the Army, as well as other Military Services and Federal agencies. Medical centers also provide the primary capabilities for care of casualties in the event of contingencies or mobilization and the source of graduate, specialized, and technical training for health professionals and technicians that staff Army field forces and station hospitals.

#### INDIVIDUALS (600)

The Army has no major installations falling into this IDPP category.

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1987  
 A summary of the estimated FY 1987 Base Operations Support  
 Costs follows.

TABLE VII  
 MAJOR DEFENSE PROGRAMS  
 ARMY BASE OPERATIONS  
 SUPPORT COSTS (\$MILLIONS)

<u>MAJOR DEFENSE PROGRAMS</u>	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	--	--	--	--
General Purpose (02)	1,592.8	--	2,382.7	3,975.5
Intell. & Comm. (03)	103.8	--	--	103.8
Air/Sealift (04)	--	--	--	--
Guard & Reserve (05)	386.9	--	--	386.9
Research & Develop (06)	--	--	--	--
Cent. Supply & Maint. (07)	641.1	--	71	712.1
Trng. Med, & Other Personnel (08)	1,485.0	--	--	1,485.0
Admin. & Assoc. (09)	308.1	--	--	308.1
Spt. of Other Nations (10)	--	--	--	--
Total	<u>4,517.7</u>	<u>--</u>	<u>2,453.7</u>	<u>6,971.4</u>
Construction	1,950.0	32.0	824.0	2,806.0
Family Housing Operations and Maintenance	<u>607.0</u>	<u>160.0</u>	<u>629.0</u>	<u>1,396.0</u>
Total	<u>7,047.7</u>	<u>192.0</u>	<u>3,906.7</u>	<u>11,173.4</u>

## V. ACTIONS TO REDUCE ANNUAL BASE OPERATIONS COSTS

The Army continues an active program to promote management efficiencies and consolidate or eliminate functions in order to reduce base operations costs. A number of these will affect the FY 1987 budget:

1. ORGANIZATIONAL EFFICIENCY REVIEWS. Efficiency review of contractible (referred to as Commercial Activities [CA]) and non-contractible (called Army Performance Oriented Reviews and Standards [APORS]) functions are well underway. Management of these similar programs was merged during FY 1985. Jointly, they are called the Organizational Efficiency Review Program (OERP).

- o The contractible portion, governed by Office of Management and Budget Circular A-76, is a logical process by which installations measure the costs of in-house operations and compare these costs with performance of the same functions by the private sector. Over the 8-year history of CA in the Army, significant savings have been realized by the rigors of the CA requirements, and the necessity to formulate the in-house "bid" on the Most Efficient Organization (MEO). Regardless of the outcome of the cost comparison, savings to the government are realized through either a more efficient in-house operation or a cost effective conversion to contract. During FY 1985, 39 cost studies were completed, covering 2,477 military and civilian spaces. Of this number 1,837 military and civilian spaces were redirected to higher priority Army missions because the final decision resulted in a conversion to performance by a private sector contractor. By FY 87, the Army expects to complete additional studies on functions involving 12,275 military and civilian spaces.
- o The success of the CA program led to the decision of require similar (APORS) studies on non-contractible elements of the TDA Army. Just as for commercial activities, a performance work statement (PWS) management study and quality assurance plan are prepared. These products validate the work being performed, identify needed improvements, determine the most efficient organization, and provide a means by which the quality of the work can be assured and monitored after the MEO is implemented. Even though these non-contractible functions do not compete with the private sector, they are made more efficient as the

result of an intensive efficiency review. This program is just starting to deliver results. By FY 87, the Army expects to complete studies covering over 26,000 spaces.

2. PRODUCTIVITY CAPITAL INVESTMENT PROGRAMS These programs indicate the Quick Return on Investment Program, Productivity Enhancing Capital Investment Program, and OSD Productivity Investment Funds. Under the Productivity Capital Investment Programs, money is set aside for fast payback capital tools, equipment, and facilities that save manpower, reduce costs, increase productivity, and improve readiness. Modernized equipment and facilities provided through these programs raise organizational productivity and improve the quality of support services. In addition, troops are trained with state-of-the-art equipment leading to a more ready force. For example, the types of equipment purchased under these programs include loading ramps; weapons training simulators which enhance feedback on marksmanship while saving live ammunition; hand-held radios which assisted in the Grenada incident; and asphalt reclaimers which refurbish roads damaged by training exercises. For every \$1 invested, \$17 is returned in benefits. A positive environment is created for Army leaders through opportunities enabling them to obtain modern equipment and facilities; to reapply manpower and dollars toward other priority initiatives; to motivate the work force; and to achieve an efficient and cost effective organization. These achievements will assist the Army in meeting its goal established by the President to increase productivity three percent per year.

3. VALUE ENGINEERING (VE). Value Engineering, an organized approach to obtain optimum value for every dollar spent, is a technique that has proven successful in effective cost-savings. The Army Value Engineering Program is currently producing over \$400 million in net annual savings and cost avoidance. As a result of the introduction of Value Engineering Programs at US Army Training and Doctrine Command and US Army Forces Command in FY 1985 and the increased emphasis on VE regarding spare parts and contractor VE Change proposals, net VE savings are targeted to reach a total of \$600 million by the end of FY 1986. Value Engineering will play a significant role in achieving the President's goal to increase productivity three percent per year. The Value Engineering (VE) Program averages a return on investment of \$20 to \$1. Private sector contractors help in this program through exercising the incentive clauses in their contracts which allow contractors and the Army to share in net savings resulting from Value Engineering Change Proposals.

4. ENERGY CONSERVATION. The Army consumed 17.4 percent of the total energy consumed by DOD in 1984. Of that amount, 83 percent was consumed at fixed facilities and 17 percent was consumed in mobility operations.

Therefore, energy conservation is a primary concern for Army installation managers. Since 1975, energy consumption has been reduced by 22 percent. The Army's Energy Conservation Programs (Energy Engineering Analysis Program (EEAP); Energy Conservation Investment Program (ECIP); Fuel Conversion; Army Energy Awareness Program; and Facilities Energy Research, Development, Test and Evaluation (RDT&E) Program) have a goal of reducing, compared to a base year of FY 85, energy consumption in existing facilities by 8 percent per square foot of active space in FY 1995.

Since 1973, the Army has achieved an impressive reduction in energy consumption. However, during this same period, the costs of energy for the Army have risen more than 300 percent. Realities such as this are "the challenge" facing the Army's installation managers.

SECTION VI

ARMY BASE STRUCTURE

Note: Population and land area data for Army installations in the Federal Republic of Germany do not necessarily add up to the total shown for each of the "US Army Base" community areas. The community areas include other off site locations such as family housing not included in this report.

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TABLE VIII

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
INTELLIGENCE AND COMMUNICATIONS (103)	1			1
GENERAL PURPOSE (202)	30		211	241
AIRLIFT/SEALIFT FORCES (204)	4		4	8
GUARD AND RESERVE (205)	27	2		29
INTELLIGENCE AND COMMUNICATIONS (303)	7		2	9
RESEARCH AND DEVELOPMENT (306)	23	1		24
GENERAL PURPOSE (402)	10		7	17
CENTRAL SUPPLY AND MAINTENANCE (507)	60		8	68
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	45			45
<b>TOTAL ARMY</b>	<b>207</b>	<b>3</b>	<b>232</b>	<b>442</b>

Note: Summary excludes 9 DoD Agency installations in the 50 States which are included in the Army list.

DEPARTMENT OF DEFENSE  
ARMY BASE STRUCTURE

United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDFP	Mil.	Civ.	Tot	Total Pers	Total Acreage	Major Unit-Activity-Function
ALABAMA									
	ANNISTON ARMY DEPOT	ANNISTON	507	65	4873	4938	4997	15246	LOGISTICS DEPOT
	MCCLELLAN, FORT	ANNISTON	508	9660	1808	11468	14684	41639	MIL POLICE SCHOOL & TRNG CTR
	LOUISVILLE RW STAGEFIELD	BRUNDIGE	508	*	*	*	*	104	HELICOPTER STAGE FIELD
	ALABAMA ARMY AMMO PLT	CHILDERSBURG	507	*	3	3	3	5067	AMMUNITION PLANT
	CAIRNS AAF	DALEVILLE	508	*	*	*	*	1297	HELICOPTER STAGE FIELD
	RUCKER, FORT	DALEVILLE	508	6864	3556	10420	16406	61073	AVIATION CENTER & SCHOOL
	ALLEN FIELD	DOTHAN	508	*	*	*	*	114	HELICOPTER STAGE FIELD
	TOTH FIELD	DOTHAN	508	*	*	*	*	128	TRAINING
	RUNKLE TACTICAL SITE	ELBA	508	*	*	*	*	235	TRAINING
	SKELLY FIELD	ELBA	508	*	*	*	*	133	HELICOPTER STAGE FIELD
	SHELL ARMY HELIPORT	ENTERPRISE	508	*	*	*	*	292	HELICOPTER STAGE FIELD
	HIGH FALLS	GENEVA	508	*	*	*	*	40	HELICOPTER STAGE FIELD
	HIGH BLUFF	HARTFORD	508	*	*	*	*	96	HELICOPTER STAGE FIELD
	REDSTONE ARSENAL	HUNTSVILLE	306	4912	10511	15423	20544	38413	ROCKET&GUIDED MSIL, R&D, SCH&CTR
	GOLDBERG FIELD	MIDLAND CITY	508	*	*	*	*	101	HELICOPTER STAGE FIELD
	PHOSPHATE DEVELOPMENT WORKS	MUSCLE SHOALS	507	*	*	*	*	67	PRODUCTION-CHEMICAL (C) (1)
	HUNT FIELD	OZARK	508	*	*	*	*	151	HELICOPTER STAGE FIELD
	TACTICAL SITE X	SAMSON	508	*	*	*	*	169	TRAINING

DEPARTMENT OF DEFENSE  
ARMY BASE STRUCTURE

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United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers	Total Acreage	Major Unit-Activity-Function
	CORSA RIVER STORAGE ANNEX	TALLEDEGA	507	*	*	*	*	2834	STORAGE
ALASKA									
	EKLUTNA DISPERSAL SITE	ANCHORAGE	202	*	*	*	*	500	DISPERSAL SITE
	EKLUTNA MOUNTAIN GLACIER SITE	ANCHORAGE	202	*	*	*	*	69	TRAINING
	GULKANA ARMY SITE	ANCHORAGE	202	*	*	*	*	44	TRAINING
	RICHARDSON, FORT	ANCHORAGE	202	6712	2952	9664	9720	61467	172ND INFANTRY BRIGADE
	BLACK RAPIDS TNG SITE	FAIRBANKS	202	*	*	*	*	2782	TRAINING
	CLEARWATER LAKE TNG SITE	FAIRBANKS	202	*	*	*	*	110	TRAINING
	FAIRBANKS PERMAFROST STA	FAIRBANKS	306	*	*	*	*	744	TEST SITE
	GERSTLE RIVER ARCTIC TEST SITE	FAIRBANKS	306	*	*	*	*	19127	TEST SITE
	GREELY, FORT	FAIRBANKS	202	1410	220	1630	1675	639085	R&D TEST CENTER(ARCTIC TNG CTR)
	WAINWRIGHT, FORT	FAIRBANKS	202	3465	1186	4651	4735	656250	172ND INFANTRY BRIGADE
	YUKON COMMAND TNG SITE	FAIRBANKS	202	*	*	*	*	287257	TRAINING
ARIZONA									
	NAVAJO ARMY DEPOT ACTIVITY	FLAGSTAFF	507	1	5	6	6	28205	STORAGE
	GILA BEND AREA	GILA BEND	303	*	*	*	*	5549	ROT&E ACTIVITIES
	HUACHUCA, FORT	SIERRA VISTA	303	6804	3759	10593	11620	73517	COMM CMD&INTELLIGENCE SCH
	WILCOX AREA	WILCOX	303	*	*	*	*	28968	T & E ACTIVITIES
	YUMA PROVING GROUND	YUMA	306	424	717	1141	1393	1010966	R & D TEST CENTER

DEPARTMENT OF DEFENSE  
ARMY BASE STRUCTURE

United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil	Civ.	Tot.	Total Pers	Total Acreage	Major Unit-Activity-Function
ARKANSAS									
	CHAFFEE, FORT	FORT SMITH	205	12	176	188	4667	72337	RC & ACTIVE ARMY TNG (1)
	PINE BLUFF ARSENAL	PINE BLUFF	507	103	935	1098	1098	14939	PRODUCTION
CALIFORNIA									
	IRWIN, FORT	BARSTOW	202	3565	533	4118	5720	636457	NATIONAL TRAINING CENTER
	SIERRA ARMY DEPOT	HERLONG	507	343	642	985	1025	36313	LOGISTICS DEPOT
	HUNTER LIGGETT, FORT	JOLON	202	94	12	106	1365	164636	DIV TNG-CDEC EXPERIMENTATION
	AFRC, LOS ALAMITOS	LOS ALAMITOS	205	129	443	572	1562	1287	RESERVE COMPONENT TRAINING
	MONTEREY, PRESIDIO OF	MONTEREY	508	4129	1136	5265	5265	392	DEFENSE LANGUAGE SCHOOL
	OAKLAND ARMY BASE	OAKLAND	204	141	1328	1469	1469	559	HARBOR & PORT
	ROBERTS, CAMP ANNEX	PASO ROBLES	205	*	*	*	*	22	COMMUNICATIONS
	RIVERBANK ARMY AMMUNITION FLT	RIVERBANK	507	*	10	10	277	172	PRODUCTION-PROJECTILES (C)
	SACRAMENTO ARMY DEPOT	SACRAMENTO	507	353	3291	3644	3882	465	LOGISTICS DEPOT
	SAN FRANCISCO, PRESIDIO OF	SAN FRANCISCO	402	1948	3012	4960	5661	177	HQR ADMIN/LETTERIN ARMY MED CTR
	ROBERTS, CAMP	SAN MIGUEL	205	82	181	263	574	42361	RC & ACTIVE ARMY TNG (1)
	OFD, FORT	SEASIDE	202	16041	2713	18753	20493	28016	7TH INFANTRY DIVISION (MICH) (1)
	SHARPE ARMY DEPOT	STOCKTON	507	56	1383	1439	1705	724	LOGISTICS DEPOT
	DEFENSE DEPOT, TRACY	TRACY	507	13	1554	1567	1567	118	LOGISTICS DEPOT (DLA)

DEPARTMENT OF DEFENSE  
ARMY BASE STRUCTURE

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United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
COLORADO									
	FITZSIMONS ARMY MEDICAL CENTER	AURORA	508	1444	1467	2911	3177	577	HEALTH CARE
	CARSON, FORT	COLORADO SPGS	202	20658	2406	23064	24108	137391	4TH INFANTRY DIVISION (MECH)
	ROCKY MOUNTAIN ARSENAL	COMMERCE CITY	507	15	243	258	258	17228	PRODUCTION-CHEMICAL
	PUEBLO ARMY DEPOT ACTIVITY	PUEBLO	507	163	753	916	916	22654	LOGISTICS DEPOT
CONNECTICUT									
	STRATFORD ARMY ENGINE PLANT	STRATFORD	507	3	100	103	4303	115	PRODUCTION-ENGINES (C)
DIST OF COLUMBIA									
	MCNAIR, FORT LESLIE J.	WASHINGTON	508	904	1647	2551	2551	89	NATIONAL DEFENSE UNIVERSITY
	WALTER REED ARMY MEDICAL CTR	WASHINGTON	508	4669	5700	10369	10389	113	HEALTH CARE
GEORGIA									
	MCPHERSON, FORT	ATLANTA	402	1486	2772	4258	4553	505	FORSYTH HQ
	GORDON, FORT	AUGUSTA	508	15459	3801	19260	21751	55586	SIGNAL CENTER & SCHOOL
	CATOOSA RIFLE RANGE	CHATTANOOGA, TN	205	*	1	1	118	1628	ARMY NATIONAL GUARD ACTIVITIES
	BENNING, FORT	COLUMBUS	508	28566	5074	33640	36982	169235	THE INFANTRY CENTER & SCHOOL
	GILLEM, FORT	FOREST PARK	402	362	2407	2769	3067	1507	SECOND ARMY HQ
	BENNING, FORT TRAINING AREA	GAINESVILLE	202	*	*	*	*	87	TRAINING
	STEWART, FORT	HINESVILLE	202	12481	3778	16259	29131	284369	21TH INFANTRY DIV (MECH) ( )

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	HUNTER ARMY AIRFIELD	SAVANNAH	202	3553	524	4077	4202	5651	24TH INFANTRY DIVISION TNG
HAWAII									
	POHAKU DA TRAINING AREA	HILO	202	60	38	98	471	109893	DIVISION TRAINING
	ALIAMANO MILITARY RESERVATION	HONOLULU	402	3	2	5	11	529	HOUSING
	DERUSSY, FORT	HONOLULU	205	*	540	540	1010	73	ARMY RESERVE HQ
	KAMEHANEHA, FORT	HONOLULU	402	14	*	14	14	506	HOUSING
	KAPALANA MILITARY RESERVATION	HONOLULU	204	13	194	207	211	133	STORAGE
	RUGER, FORT	HONOLULU	205	8	*	8	13	29	ARMY NATIONAL GUARD HQ
	SCHOFIELD BARRACKS MIL RES	HONOLULU	202	13426	1053	14479	14823	13777	25TH INFANTRY DIVISION (-)
	SHAFTER, FORT	HONOLULU	402	1152	2435	3587	3587	170	HEADQUARTERS & ADMIN
	TRIPLER ARMY MEDICAL CENTER	HONOLULU	508	1299	886	2185	2185	367	HEALTH CARE
	DEFENSE COMMUNICATIONS CENTER	KUMA	303	*	*	*	*	90	COMMUNICATIONS
	DILLIUGHAN MILITARY RES	WAHIAWA	202	*	*	*	*	938	TRAINING
	HELEMANO RADIO STATION	WAHIAWA	303	693	*	693	703	261	COMMUNICATIONS
	KAHIKU TNG AREA	WAHIAWA	202	*	*	*	4	9531	TRAINING
	KIPAPA AMMO STORAGE SITE	WAHIAWA	507	*	*	*	3	659	AMMUNITION STORAGE
	KUNIA FIELD STATION	WAHIAWA	303	1390	23	1413	1449	89	COMMUNICATIONS
	MAKUA MILITARY RESERVATION	WAIHAE	202	*	*	*	*	5284	TRAINING

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ILLINOIS									
	ST LOUIS AREA SUPPORT CTR	GRANITE CITY	402	756	8069	8825	8825	895	COMMUNITY SUPPORT
	SHERIDAN, FORT	HIGHLAND PARK	508	2226	1539	3765	4022	695	RECRUITING COMMAND HQ
	JOLIET ARMY AMMO PLT ELWOOD	JOLIET	507	18	4	22	331	14385	PRODUCTION-MISC AMMO (C) (1)
	JOLIET ARMY AMMO PLT KANKAKEE	JOLIET	507	*	*	*	*	9158	AMMUNITION PLANT (C)(1)
	ROCK ISLAND ARSENAL	ROCK ISLAND	507	146	3988	4134	5107	907	R&D, PRODUCTION-TANK COMPONENTS
	SAVANNA ARMY DEPOT ACTIVITY	SAVANNA	507	27	428	455	460	13062	LOGISTICS DEPOT
INDIANA									
	INDIANA ARMY AMMUNITION PLANT	CHARLESTOWN	507	48	35	83	1954	12206	PRODUCTION-PROPELLANTS (C)
	ATTERBURY RESERVE TNG AREA	EDINBURG	205	12	39	51	3951	33467	RESERVE COMPONENT TRAINING
	HARRISON, FT BENJAMIN	INDIANAPOLIS	508	5408	4310	9718	10256	2501	US ARMY INST OF PERS&RES MGT
	JEFFERSON PROVING GROUND	MADISON	306	8	400	408	408	55264	R&D AMMO TEST CENTER
	NEWPORT ARMY AMMUNITION PLANT	NEWPORT	507	14	7	21	326	8322	PRODUCTION-CHEMICAL (C) (1)
IOWA									
	DES MOINES, FORT	DES MOINES	205	*	*	*	*	94	RESERVE COMPONENT TRAINING (1)
	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	507	2	46	48	2600	19124	PRODUCTION-PROJECTILES (C)

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KANSAS									
	DEFENSE IND PLT EQUIPMENT FAC	ATCHISON	507	*	*	*	*	125	STORAGE-IND. EQUIPMENT (DLA)
	SUNFLOWER ARMY AMMUNITION PLT	DESOTO	507	2	31	33	844	9544	PRODUCTION-PROPELLANTS (C) (I)
	RILEY, FORT	JUNCTION CITY	202	16261	2171	18432	23329	100979	1ST INFANTRY DIV (MECH) (-)
	LEAVENWORTH, FORT	LEAVENWORTH	508	4070	1987	6057	6400	6995	CMD & GENERAL STAFF COLIFGE
	KANSAS ARMY AMMUNITION PLANT	PARSONS	507	2	34	36	1156	13838	PRODUCTION-MISC ANMO (C)
KENTUCKY									
	CAMPBELL, FORT	CLARKSVILLE, TN	202	20567	2566	23133	23164	105397	101ST AIRBORNE DIVISION
	LEX BLUEGRASS ARMY DEPOT ACT	LEXINGTON	507	139	1620	1759	2247	780	LOGISTICS DEPOT
	KNOX, FORT	LOUISVILLE	508	24013	4775	28788	34344	109220	US ARMY TRAINING CENTER
	BLUEGRASS ARMY DEPOT ACTIVITY	RICHMOND	507	99	264	363	426	14596	AMMUNITION DEPOT
LOUISIANA									
	POLK, FORT	LEESVILLE	202	14738	3119	17857	19581	198325	5TH INFANTRY DIV (MECH) (-)
	LOUISIANA ARMY AMMUNITION PLT	SHREVEPORT	507	2	41	43	1429	14974	PRODUCTION-PROJECTILES (C)
MARYLAND									
	ABERDEEN PROVING GROUND	ABERDEEN	306	5484	8468	13952	15026	72518	R&D TEST CTR, ORDNANCE SCH&CTR
	HARRY DIAMOND LABORATORIES	ADELPHI	306	36	1399	1435	1448	137	R&D ACTIVITIES
	HARRY DIAMOND LABS TEST AREA	ADELPHI	306	*	5	5	5	1600	TEST SITE

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	NEADE GEORGE G, FORT	BALTIMORE	402	6869	10318	25187	26846	13457	HEADQUARTERS & ADMIN, NSA
	DMA HYDRO/TOPOGRAPHIC CTR	BROOKMONT	507	51	3171	3222	3222	40	PROD OF MAPS & CHARTS (DMA)
	RITCHIE, FORT	CASCADE	103	1006	905	1911	1955	638	COMMUNICATIONS
	REED, WALTER MED CTR ANNEX	FOREST GLEN	508	183	512	695	761	182	HEALTH CARE
	DETRICK, FORT	FREDERICK	306	780	2369	3149	4112	1151	R&D ACTIVITIES
	REED, WALTER MED CTR, GLENHAVEN	WASHINGTON, D. C.	508	*	*	*	*	20	HOUSING
MASSACHUSETTS									
	DEVENS, FORT	AYER	508	5632	1761	7393	10274	9380	INTELLIGENCE TRAINING
	SOUTH BOSTON SUPPORT ACTIVITY	BOSTON	102	195	1690	1885	1985	14	RESERVE COMPONENT TNG-DIA SUP
	EDWARDS, CAMP NG	BOURNE	205	2	54	56	3479	10689	RESERVE COMPONENT TRAINING (I)
	USA NATICK RSCH & DEV CTR	NATICK	306	175	1237	1412	1416	81	R&D ACTIVITIES
	USA MAT & MECH RESEARCH CTR	WATERTOWN	306	16	664	680	681	48	R&D ACTIVITIES
MICHIGAN									
	CUSTER RC TNG AREA	BATTLE CREEK	205	1	8	9	1352	7572	RC TNG
	PONTIAC STORAGE FACILITY	PONTIAC	507	*	*	*	6	31	STORAGE
	DETROIT ARSENAL	WARREN	306	1338	5835	7173	7383	261	R&D, PRODUCTION-TANKS
	DETROIT ARSENAL TANK PLANT	WARREN	507	3	97	100	2177	80	PRODUCTION-TANKS (C)

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<b>MINNESOTA</b>									
	TWIN CITIES ARMY AMMO PLANT	NEW BRIGHTON	507	9	1702	1711	1851	2389	PRODUCTION-MISC AMMO (C) (1)
<b>MISSISSIPPI</b>									
	MCCAIN, CAMP NG	GRENADA	205	3	14	17	429	3006	ARMY NATIONAL GUARD ACTIVITIES
	MISSISSIPPI ARMY AMMO PLANT	PICAYUNNE	507	2	39	41	1367	7152	PRODUCTION-STORAGE-AMMO(C)(1)
<b>MISSOURI</b>									
	LAKE CITY ARMY AMMUNITION PLT	INDEPENDENCE	507	3	69	72	3245	3909	PRODUCTION-SMALL ARMS AMMO (C)
	WOOD, FORT LEGNARD	JEFFERSON CITY	508	17123	4316	21439	24574	62911	US ARMY TRAINING CENTER
	GATEWAY ARMY AMMUNITION PLANT	ST LOUIS	507	*	*	*	*	18	PRODUCTION-PROJECTILES (C) (1)
	ST LOUIS ARMY AMMUNITION PLANT	ST LOUIS	507	*	82	82	114	26	PRODUCTION-PROJECTILES (C)(1)
<b>MONTANA</b>									
	HARRISON, WM HENRY, FORT NG	HELENA	205	10	10	20	57	1598	ARMY NATIONAL GUARD ACTIVITIES
	MISSOULA, FORT	MISSOULA	205	*	*	*	*	3	RESERVE COMPONENT TRAINING
<b>NEBRASKA</b>									
	CORNHUSKER ARMY AMMUNITION FLT	GRAND ISLAND	507	66	14	80	155	11936	PRODUCTION-PROJECTILES (C)(1)
	MEAD FACILITY NG	MEAD	205	13	*	13	132	1197	ARMY NATIONAL GUARD ACTIVITIES

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NEVADA									
	HAWTHORNE ARMY AMMO PLT	HAWTHORNE	507	76	103	179	832	147431	STORAGE-AMMO
	LAKE MEAD BASE	LAS VEGAS	507	*	*	*	*	7876	LOGISTICS DEPOT-AIR FORCE
NEW HAMPSHIRE									
	ARMY COLD REGIONS RESEARCH LAB	HANOVER	306	5	225	230	230	20	R&D-COLD WEATHER IMPACT
NEW JERSEY									
	EVANS AREA	ASBURY PARK	306	*	*	*	*	253	RDT&E ACTIVITIES
	OAKHURST AREA	ASBURY PARK	306	*	*	*	*	6	RDT&E ACTIVITIES
	MIL. OCEAN TERMINAL-BAYONNE	BAYONNE	204	152	1677	1829	1829	679	HARBOR & FORT
	PICATINNY ARSNAL	DOVER	306	222	6175	6397	6598	6491	R&D HEADQUARTERS
	PEDRICKTOWN SUPPORT FACILITY	PEDRICKTOWN	205	*	*	*	*	86	RESERVE COMPONENT TRAINING
	CHAS WOOD AREA	RED BANK	306	*	*	*	*	512	SUPPORT SITE
	MONMOUTH, FORT	RED BANK	306	3065	9559	12620	13166	657	R&D HEADQUARTERS
	DIX, FORT	TRENTON	508	13252	2135	15387	19370	31110	US ARMY TRAINING CENTER
NEW MEXICO									
	BLISS FORT, AAA RANGES	EL PASO, TX	508	*	*	*	*	994482	RANGE
	FORT WINGATE DEPOT ACT	GALLUP	507	2	93	95	96	22120	STORAGE
	WHITE SANDS MISSILE RANGE	WHITE SANDS	306	1297	3965	5262	7023	1746720	R&D WEAPONS TEST CENTER

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NEW YORK									
	HAMILTON, FORT	BROOKLYN	508	389	445	834	1039	177	ADMIN & LOGISTICAL SUPPORT
	WADSWORTH, FORT	NEW YORK	508	*	*	*	*	226	FAMILY HOUSING
	STEWART ANNEX	NEWBURGH	402	138	359	497	530	410	HOUSING
	SENECA ARMY DEPOT	ROMULUS	507	597	796	1393	1462	10661	LOGISTICS DEPOT
	GALEVILLE TRNG SITE	WALLKILL	508	*	*	*	*	621	TRAINING
	DRUM, FORT	WATERTOWN	205	6406	881	7287	7296	107265	RC & ACTIVE ARMY TNG (1)
	WATERVLIET ARSENAL	WATERVLIET	507	12	2526	2538	2571	140	R&D, PROD-ARTILLERY COMPONENTS
	WEST POINT MILITARY RES	WEST POINT	508	5958	2253	8211	6800	15975	USMA-OFF ACQUISITION TNG
NORTH CAROLINA									
	BRAGG, FORT	FAYETTEVILLE	202	38317	4334	42651	48468	130696	82ND AIRBORNE DIVISION
	MIL OCEAN TERMINAL-SUNNY POINT	SOUTHPORT	204	16	260	275	275	16324	HARBOR & PORT
OHIO									
	DEF CONSTRUCTION SUPPLY CTR	COLUMBUS	507	36	3415	3451	3451	566	ICP & LOGISTICS DEPOT (DLA)
	PERRY, CAMP	FREMONT	508	*	*	*	*	7	RESERVE COMPONENT TRAINING (1)
	LIMA ARMY TANK CENTER	LIMA	507	8	100	108	3508	374	PRODUCTION-XMI TANKS
	RAVENNA ARMY AMMUNITION PLANT	RAVENNA	507	26	22	48	539	21127	PRODUCTION-MISC ARMO (C) (1)

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OKLAHOMA									
	SILL, FORT	LAWTON	508	22659	3630	26289	29241	94221	US ARMY FLD ARTILLERY CTR&SCH
	MCLESTER ARMY AMMO PLT	MCLESTER	507	8	90	98	98	44964	STORAGE-AMMO
	GRUBER, CAMP	MUSKOGEE	205	2	2	4	1282	26075	ARMY NATIONAL GUARD ACTIVITIES
OREGON									
	UMATILLA ARMY DEPOT ACTIVITY	HERMISTON	507	9	273	282	288	19729	STORAGE DEPOT
PENNSYLVANIA									
	INDIANTOWN GAP, FORT	ANNVILLE	205	106	68	174	5678	18052	RC & ACTIVE ARMY TNG (1)
	CARLISLE BARRACKS	CARLISLE	508	564	592	1156	1196	403	US ARMY WAR COLLEGE
	LETTERKENNY ARMY DEPOT	CHAMBERSBURG	507	147	5173	5320	5516	19511	LOGISTICS DEPOT
	NEW CUMBERLAND ARMY DEPOT	NEW CUMBERLAND	507	198	3247	3445	3972	832	LOGISTICS DEPOT
	DEFENSE PERSONNEL SUPPORT CTR	PHILADELPHIA	507	129	5044	5173	5173	86	PROC&SUP, CLOTHING FACTORY (DIA)
	HAYS AMMUNITION PLANT	PITTSBURGH	507	*	*	*	12	8	PRODUCTION-MISC AMMO (C) (1)
	SCRANTON ARMY AMMUNITION PLANT	SCRANTON	507	2	21	23	701	15	PRODUCTION-PROJECTILES (C)
	TOBYHANNA ARMY DEPOT	TOBYHANNA	507	49	4364	4413	4442	1293	LOGISTICS DEPOT
SOUTH CAROLINA									
	JACKSON, FORT	COLUMBIA	508	17684	2369	20053	21360	52537	US ARMY TRAINING CENTER

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TENNESSEE									
	VOLUNTEER ARMY AMMUNITION PLT	CHATTANOOGA	507	*	7	7	230	7353	PRODUCTION-CHEMICALS (C) (1)
	HOLSTON ARMY AMMUNITION PLANT	KINGSPORT	507	10	34	44	1282	6110	PRODUCTION-MISC AMMO (C)
	DEFENSE DEPOT, MEMPHIS	MEMPHIS	507	15	2010	2025	2025	642	LOGISTICS DEPOT (DLA)
	MILAN ARMY AMMUNITION PLANT	MILAN	507	2	59	61	1927	22544	PRODUCTION-CARTRIDGES (C)
TEXAS									
	SWIFT, CAMP NG	AUSTIN	205	9	*	9	594	11740	ARMY NATIONAL GUARD ACTIVITIES
	BLISS, FORT	EL PASO	508	18910	4765	23675	27501	118218	AIR DEFENSE CENTER & SCHOOL
	SAGINAW ARMY AIRCRAFT PLANT	FT WORTH	507	*	*	*	94	155	PRODUCTION-HELO ASSEMBLIES (C)
	HOOD, FORT	KILLEEN	202	37914	4216	42130	43505	216946	1ST CAVALRY DIV&2D ARMORED DIV
	LONGHORN ARMY AMMUNITION PLANT	MARSHALL	507	2	36	38	972	8493	PRODUCTION-MISC AMMO (C)
	BULLIS, CAMP	SAN ANTONIO	205	17	364	381	1351	27880	RESERVE COMPONENT TNG
	CAMP STANLEY STORAGE ACTIVITY	SAN ANTONIO	507	1	126	127	127	4000	STORAGE
	SAM HOUSTON, FORT	SAN ANTONIO	508	10400	5824	16224	17776	3159	MEDICAL TRAINING HQ
	LONE STAR ARMY AMMUNITION PLT	TEXARKANA	507	2	59	61	2076	15546	PRODUCTION-MISC AMMO (C)
	RED RIVER ARMY DEPOT	TEXARKANA	507	85	6106	6191	6422	19081	LOGISTICS DEPOT
UTAH									
	DUGWAY PROVING GROUND	DUGWAY	306	269	929	1198	1575	802751	R&D TEST CENTER

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	DEFENSE DEPOT, OGDEN	OGDEN	507	12	1160	1172	1172	1326	LOGISTICS DEPOT (DLA)
	GREEN RIVER TEST COMPLEX	PRICE	306	*	*	*	*	3628	T&E ACTIVITIES
	WILLIAMS, CAMP	SALT LAKE CITY	205	87	30	117	3020	20773	ARMY NATIONAL GUARD ACTIVITIES
	TOOELE ARMY DEPOT	TOOELE	507	83	3864	3947	4002	44087	LOGISTICS DEPOT
VERMONT									
	ETHAN ALLEN FACILITY	BURLINGTON	205	13	4	17	797	822	ARMY NATIONAL GUARD ACTIVITIES
	ETHAN ALLEN FIRING RANGE	JERICHO	306	9	16	25	695	11157	T&E ACTIVITIES
VIRGINIA									
	BELVOIR, FORT	ALEXANDRIA	508	6560	4964	11524	11959	8656	US ARMY ENGINEER CENTER & SCH
	CAMERON STATION	ALEXANDRIA	507	259	2571	2830	3265	168	HQ DEFENSE LOGISTICS AGENCY
	ARLINGTON HALL STATION	ARLINGTON	303	1471	1823	3294	3305	87	HQ USAINSCOM ADMIN, DIA
	MYER, FORT	ARLINGTON	202	2781	204	2985	3055	256	ADMIN & LOGISTICAL SUPPORT
	PICKETT, FORT	BLACKSTONE	205	46	247	293	6943	45160	RC & ACTIVE ARMY TNG (1)
	A.P. HILL, FORT	BOWLING GREEN	205	69	230	299	3173	76205	RC & ACTIVE ARMY TNG (1)
	MONROE, FORT	HAMPTON	508	1206	1655	2861	2897	1069	TRADOC HEADQUARTERS
	EUSTIS, FORT	NEWPORT NEWS	508	3938	2991	11929	13451	8323	TRANSPORTATION CENTER & SCHOOL
	LEE, FORT	PETERSBURG	508	8560	4421	13381	14362	5633	US ARMY QUARTERMASTER CTR&SCH
	RADFORD ARMY AMMUNITION PLANT	RADFORD	507	6	95	101	3945	4087	PRODUCTION-PROPELLENTS (C)
	DEF GENERAL SUPPLY CTR, RICH.	RICHMOND	507	36	3130	3166	3166	647	ICP & LOGISTICS DEPOT (DLA)

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	STORY, FORT	VIRGINIA BEACH	202	1261	67	1328	1666	1451	AMPHIB & RC TRAINING (1)
	VINT HILL FARMS STATION	WARRENTON	303	655	702	1357	1583	707	COMM & INTELLIGENCE ACT
	HARRY DIAMOND LABS	WOODBRIDGE	306	*	*	*	*	579	RESEARCH & DEVELOPMENT
WASHINGTON									
	LEWIS, FORT	TACOMA	202	22516	3310	25626	30570	86451	9TH INFANTRY DIVISION
	VANCOUVER BARRACKS	VANCOUVER	205	12	7	19	312	62	RESERVE COMPONENT TRAINING
	YAKIMA FIRING CENTER	YAKIMA	202	74	85	159	1735	261452	DIVISION TRAINING
WISCONSIN									
	BADGER ARMY AMMUNITION PLANT	BARABOO	507	*	14	14	344	7441	PRODUCTION-EXPLOSIVES (C) (1)
	MCCOY, FORT	SPARTA	205	147	367	1014	8276	59779	RC & ACTIVE ARMY TNG (1)

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PUERTO RICO									
	SANTIAGO, CAMP NG	SALINAS	205	2	39	41	1146	11431	ARMY NATIONAL GUARD TNG (1)
	BUCHANAN, FORT	SAN JUAN	205	*	*	*	*	826	RESERVE COMPONENT TRAINING
TRUST TERR OF PAC ISL									
	KWAJALEIN MISSILE RANGE	KWAJALEIN	306	*	*	*	*	3568	NATIONAL TEST RANGE

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BELGIUM									
	* CHIEVRES AIR BASE	ATH	402	121	*	121	121	1009	NATO SHAPE SUPPORT GROUP
GERMANY, FEDERAL REP OF									
US	Army Base, 7th Army Tng Cmd US Army Base, 7th Army Tng Cmd	*	202	5700	3500	9200	9200	*	7TH ARMY TRAINING COMMAND
	POND BARRACKS	AMBERG	202	1268	*	1268	1268	42	2ND ARMORED CAVALRY REGIMENT
	SCHENM KASERNE	BAYREUTH	202	2	*	2	2	7	2ND ARMORED CAVALRY REGIMENT
	CHRISTENSEN BARRACKS	BINDLACH	202	1025	*	1025	1025	410	2ND ARMORED CAVALRY REGIMENT
	EAST CAMP GRAFENWOHR	GRAFENWOHR	202	1675	*	1675	1675	1898	3RD BGE 1ST ARMORED DIVISION
	HOHENFELS TRAINING AREA	HOHENFELS	202	638	*	638	638	40012	7TH ARMY TRAINING COMMAND
	PIONEER KASERNE	REGENSBURG	202	189	*	189	189	94	32ND AIR DEFENSE COMMAND
	SOUTH CAMP VILSECK	VILSECK	202	694	*	694	694	1039	7TH ARMY TRAINING COMMAND
US	Army Base, Ansbach US Army Base, Ansbach	*	202	7500	1400	8900	8900	*	1ST ARMORED DIVISION
	BARTON BARRACKS	ANSBACH	202	837	*	837	837	35	1ST ARMORED DIVISION
	BLEIDORN KASERNE	ANSBACH	202	604	*	604	604	16	VII CORPS ARTILLERY
	HINDENBURG KASERNE	ANSBACH	202	926	*	926	926	30	1ST ARMORED DIVISION
	KATTERBACH KASERNE	ANSBACH	202	1972	*	1972	1972	395	1ST ARMORED DIVISION
	MCKEE BARRACKS	CRATLSHEIM	202	727	*	727	727	192	1ST ARMORED DIVISION

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	STORCK BARRACKS	ILLESHEIM	202	2107	*	2107	2107	440	1ST ARMORED DIVISION
US	US Army Base, Aschaffenburg	*	202	4427	772	5199	5199	*	3RD INFANTRY DIVISION (MECH)
	US Army Base, Aschaffenburg	*	202	4427	772	5199	5199	*	3RD INFANTRY DIVISION (MECH)
	FIORI BARRACKS	ASCHAFFENBURG	202	1778	*	1778	1778	37	3RD INFANTRY DIVISION (MECH)
	GRAVES BARRACKS	ASCHAFFENBURG	202	930	*	930	930	47	3RD INFANTRY DIVISION (MECH)
	JAEGER BARRACKS	ASCHAFFENBURG	202	220	*	220	220	17	18TH ENGINEER BRIGADE
	READY BARRACKS	ASCHAFFENBURG	202	809	*	809	809	28	3RD INFANTRY DIVISION (MECH)
	SMITH BARRACKS	ASCHAFFENBURG	202	663	*	663	663	15	9TH ENGINEER BATTALION
US	US Army Base, Augsburg	*	202	5574	2000	7574	7574	*	VII CORPS ARTILLERY
	US Army Base, Augsburg	*	202	5574	2000	7574	7574	*	VII CORPS ARTILLERY
	FLAK KASERNE	AUGSBURG	202	1568	*	1568	1568	72	US ARMY MEDICAL CMD
	GABLINGEN KASERNE	AUGSBURG	202	19	*	19	19	359	USAINSCOM FIELD STATION
	REESE BARRACKS	AUGSBURG	202	1428	*	1428	1428	97	VII CORPS ARTILLERY
	SHERIDAN KASERNE	AUGSBURG	202	2055	*	2055	2055	188	3RD INFANTRY DIVISION (MECH)
US	US Army Base, Bad Kreuznach	*	202	3900	1100	5000	5000	*	8TH INFANTRY DIVISION (MECH)
	US Army Base, Bad Kreuznach	*	202	3900	1100	5000	5000	*	8TH INFANTRY DIVISION (MECH)
	BAD KREUZNACH HOSPITAL	BAD KREUZNACH	202	371	*	371	371	20	HEALTH CARE
	MINICK KASERNE	BAD KREUZNACH	202	405	*	405	405	9	8TH INFANTRY DIVISION (MECH)
	ROSE BARRACKS	BAD KREUZNACH	202	1757	*	1757	1757	138	8TH INFANTRY DIVISION (MECH)
	ANDERSON BARRACKS	DEXHEIM	202	908	*	908	908	116	311 INFANTRY DIVISION (MECH)

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	DICHELBAACH MISSILE STATION	DICHELBAACH	202	3	*	3	3	62	32ND AIR DEFENSE COMMAND
	WUESCHHEIM MISSILE STATION	WUESCHHEIM	202	135	*	135	135	39	32ND AIR DEFENSE COMMAND
US	Army Base, Bad Toelz US Army Base, Bad Toelz	*	202	390	400	790	790	*	US ARMY SPECIAL FORCES
	FLINT KASERNE	BAD TOELZ	202	390	*	390	390	137	US ARMY SPECIAL FORCES
US	Army Base, Bamberg US Army Base, Bamberg	*	202	6685	827	7512	7512	*	1ST ARMORED DIVISION
	BAMBERG STORAGE AND RANGE AREA	BAMBERG	202	*	*	*	*	431	1ST ARMORED DIVISION
	WARNER BARRACKS	BAMBERG	202	6643	*	6643	6643	226	1ST ARMORED DIVISION
	HARRIS BARRACKS	COBURG	202	32	*	32	32	8	2ND ARMORED CAVALRY REGIMENT
US	Army Base, Baumholder US Army Base, Baumholder	*	202	7589	1960	9549	9549	*	8TH INFANTRY DIVISION (MECH)
	BAUMHOLDER HOSPITAL	BAUMHOLDER	202	51	*	51	51	13	HEALTH CARE
	SMITH BARRACKS	BAUMHOLDER	202	4929	*	4929	4929	1025	8TH INFANTRY DIVISION (MECH)
	WETZEL KASERNE	BAUMHOLDER	202	9	*	9	9	207	3RD SUPPORT COMMAND
	HISEL MISSILE STATION	HISEL	202	120	*	120	120	40	32ND AIR DEFENSE COMMAND
	NEUBRUECKE HOSPITAL	HOPPSTAEDTEN	202	385	*	385	385	109	HEALTH CARE
	NAEBOLIENBACH STORAGE AREA	IDAR OBERSTEIN	202	39	*	39	39	97	LOGISTICS DEPOT
	STRASSBURG KASERNE	IDAR OBERSTEIN	202	578	*	578	578	41	8TH INFANTRY DIVISION (MECH)

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US	US Army Base, Berlin								
	US Army Base, Berlin	*	202	4715	5171	9886	9886	*	BERLIN BRIGADE
	ANDREWS BARRACKS	BERLIN	202	10	*	10	10	109	BERLIN BRIGADE
	BERLIN HOSPITAL	BERLIN	202	211	*	211	211	13	HEALTH CARE
	MCNAIR BARRACKS	BERLIN	202	2976	*	2976	2976	69	BERLIN BRIGADE
	ROOSEVELT BARRACKS	BERLIN	202	56	*	56	56	15	US ARMY LABOR SERVICE AGENCY
	TURNER BARRACKS	BERLIN	202	198	*	198	198	7	BERLIN BRIGADE
US	US Army Base, Darmstadt								
	US Army Base, Darmstadt	*	202	8452	1859	10311	10311	*	32ND AIR DEFENSE COMMAND
	BADENHAUSEN KASERNE	BADENHAUSEN	202	1763	*	1763	1763	365	V CORPS ARTILLERY
	CAMBRAI FRITSCH KASERNE	DARMSTADT	202	2595	*	2595	2595	64	7TH SIGNAL BRIGADE
	ERNST LUDWIG KASERNE	DARMSTADT	202	1701	*	1701	1701	55	18TH ENGINEER BRIGADE
	GRIESHEIM MISSILE FACILITY	DARMSTADT	202	43	*	43	43	28	32ND AIR DEFENSE COMMAND
	KELLEY BARRACKS	DARMSTADT	202	1581	*	1581	1581	117	130TH ENGINEER BRIGADE
	MUENSTER AMMO DEPOT	MUENSTER	202	581	*	581	581	1901	LOGISTICS DEPOT
	OBER RAMSTADT MAINTENANCE PLT	OBER RAMSTADT	202	9	*	9	9	21	WHEELED VEHICLE REPAIR
US	US Army Base, Frankfurt								
	US Army Base, Frankfurt	*	202	10659	6545	17204	17204	*	HQ, V CORPS
	CAMP ESCHBORN	ESCHBORN	202	777	*	777	777	185	130TH ENGINEER BRIGADE
	DRAKE BARRACKS	FRANKFURT	202	1175	*	1175	1175	35	3RD ARMORED DIVISION

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State	Name of Installation	City	IDPP	Mil.	Cty	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	EDWARDS BARRACKS	FRANKFURT	202	1102	*	1102	1102	23	3RD ARMORED DIVISION
	FRANKFURT AREA HQ	FRANKFURT	202	380	*	380	380	84	V CORPS HQ
	FRANKFURT HOSPITAL	FRANKFURT	202	380	*	380	380	25	HEALTH CARE
	GIBBS BARRACKS	FRANKFURT	202	1972	*	1972	1972	24	V CORPS MILITARY POLICE
	MCNAIR BARRACKS	FRANKFURT	202	1270	*	1270	1270	6	V CORPS SIGNAL
	MICHAEL BARRACKS	FRANKFURT	202	449	*	449	449	28	V CORPS (3RD SUPPORT COMMAND)
	CAMP KING	OBERRUSEL	202	461	*	461	461	39	4TH TRANSPORTATION BRIGADE
US	US Army Base, Fulda	*	202	4195	903	5098	5098	*	11TH ARMORED CAVALRY REGIMENT
	US Army Base, Fulda	*							
	MCPHEETERS BARRACKS	BAD HERSFELD	202	1171	*	1171	1171	46	11TH ARMORED CAVALRY REGIMENT
	DOWNIS BARRACKS	FULDA	202	2005	*	2005	2005	117	11TH ARMORED CAVALRY REGIMENT
US	US Army Base, Garmisch	*	202	93	122	215	215	*	US ARMED FORCES REC CTR
	US Army Base, Garmisch	*							
	SHERIDAN BARRACKS	GARMISCH	202	58	*	58	58	26	US ARMED FORCES REC CTR
US	US Army Base, Giessen	*	202	12900	2300	15200	15200	*	42ND FIELD ARTILLERY
	US Army Base, Giessen	*							
	SCHLOSS KASERNE	BUTZBACH	202	1019	*	1019	1019	33	3RD ARMORED DIVISION
	RAY BARRACKS	FRIEDBURG	202	2961	*	2961	2961	167	3RD ARMORED DIVISION
	GIESSEN GENERAL DEPOT	GIESSEN	202	1640	*	1640	1640	570	LOGISTICS DEPOT
	PENDLETON BARRACKS	GIESSEN	202	900	*	900	900	36	3RD SUPPORT COMMAND

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				Mil.	Civ.	Tot.			
	RIVERS BARRACKS	GIESSEN	202	1070	*	1070	1070	45 V CORPS ARTILLERY	
	AYERS KASERNE	KIRCHGOENS	202	3296	*	3296	3296	261 3RD ARMORED DIVISION	
US	Army Base, Goepplingen US Army Base, Goepplingen	*	202	4100	250	4350	4350	* 1ST INFANTRY DIVISION (FWD)	
	COOKE BARRACKS	GOEPPINGEN	202	1480	*	1480	1480	317 1ST INFANTRY DIVISION (FWD)	
	BISMARCK KASERNE	SCHWABISCH-GMU	202	981	*	981	981	17 56TH FIELD ARTILLERY BRIGADE	
	HARDT KASERNE	SCHWABISCH-GMU	202	876	*	876	876	29 56TH FIELD ARTILLERY BRIGADE	
US	Army Base, Hanau US Army Base, Hanau	*	202	12497	2011	14508	14508	* 3RD ARMORED DIVISION	
	ARMSTRONG BARRACKS	BUEDINGEN	202	692	*	692	692	46 3RD ARMORED DIVISION	
	COLEMAN BARRACKS	GELNHAUSEN	202	2204	*	2204	2204	80 3RD ARMORED DIVISION	
	GROSSAUHEIM KASERNE	GROSSAUHEIM	202	266	*	266	266	213 3RD SUPPORT COMMAND	
	ARGONNER KASERNE	HANAU	202	446	*	446	446	51 3RD ARMORED DIVISION	
	FLIEGERHORST AIRFIELD KAS.	HANAU	202	2889	*	2889	2889	612 V CORPS ARTILLERY & AVIATION	
	FRANCOIS KASERNE	HANAU	202	605	*	605	605	22 3RD ARMORED DIVISION	
	HESSEN-HOMBURG KASERNE	HANAU	202	1230	*	1230	1230	17 3RD ARMORED DIVISION	
	HUTIER KASERNE	HANAU	202	865	*	865	865	33 3RD ARMORED DIVISION	
	PIONIER KASERNE	HANAU	202	2860	*	2860	2860	94 130TH ENGINEER BRIGADE	
	YORKHOF KASERNE	HANAU	202	2	*	2	2	3 USAREUR LABOR SERVICE	

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	US Army Base, Heidelberg US Army Base, Heidelberg	*	202	4998	3460	8458	8458	*	HEADQUARTERS, USAREUR
	CAMPBELL BARRACKS	HEIDELBERG	202	1851	*	1851	1851	41	HEADQUARTERS, USAREUR
	HEIDELBERG AIRFIELD	HEIDELBERG	202	155	*	155	155	45	HQ USAREUR (AVIATION)
	HEIDELBERG HOSPITAL	HEIDELBERG	202	546	*	546	546	23	HEALTH CARE
	PATTON BARRACKS	HEIDELBERG	202	935	*	935	935	37	HQ USAREUR (SPECIAL TROOPS)
	KILBOURNE KASERNE	SCHWETZINGEN	202	535	*	535	535	11	US MILITARY PERSONNEL CENTER
	TOMPKINS BARRACKS	SCHWETZINGEN	202	1244	*	1244	1244	88	USAREUR MAP DEPOT
	US Army Base, Heilbronn US Army Base, Heilbronn	*	202	4700	780	5480	5480	*	237TH ENGINEER BATTALION
	DALLAU TACTICAL DEFENSE STA	DALLAU	202	85	*	85	85	43	32ND AIR DEFENSE COMMAND
	BADENHOF KASERNE	HEILBRONN	202	717	*	717	717	25	56TH ARTILLERY BRIGADE
	WHARTON BARRACKS	HEILBRONN	202	2004	*	2004	2004	58	7TH SIGNAL BRIGADE
	ARTILLERY KASERNE	NECKARSULM	202	988	*	988	988	23	56TH ARTILLERY BRIGADE
	DOLAN BARRACKS	SCHWAEBISCH HAL	202	499	*	499	499	395	LOGISTICS DEPOT
	SIEGELSBACH AMMO FACILITY	SIEGELSBACH	202	425	*	425	425	426	LOGISTICS DEPOT
	US Army Base, Kaiserslautern US Army Base, Kaiserslautern	*	202	6215	6996	13211	13211	*	HQ, 21ST SUPPORT COMMAND
	DAENNER KASERNE	KAISERSLAUTERN	202	1236	*	1236	1236	20	HQ, KAISERSLAUTERN ARMY DEPOT
	KAISERSLAUTERN ARMY DEPOT	KAISERSLAUTERN	202	264	*	264	264	1277	LOGISTICS DEPOT

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	KLEBER KASERNE	KAISERSLAUTERN	202	2716	*	2716	2716	105	21ST SUPPORT COMMAND
	PANZER KASERNE	KAISERSLAUTERN	202	702	*	702	702	9	HQ 21ST SUPPORT COMMAND
	PULASKI BARRACKS	KAISERSLAUTERN	202	73	*	73	73	145	US ARMY LABOR SERVICE AGENCY
	RHINE ORDNANCE BARRACKS	KAISERSLAUTERN	202	1007	*	1007	1007	3679	US ARMY COMBAT EQUIP GROUP
	LANDSTUHL HOSPITAL	LANDSTUHL	202	1652	*	1652	1652	166	HEALTH CARE
US	Army Base, Karlsruhe								
	US Army Base, Karlsruhe	*	202	4615	2412	7027	7027	*	18TH ENGINEER BRIGADE
	RHFINLAND KASERNE	ETTLINCEN	202	610	*	610	610	33	18TH ENGINEER BRIGADE
	GERMERSHEIM ARMY DEPOT	GERMERSHEIM	202	278	*	278	278	448	LOGISTICS DEPOT
	GERSZEWSKI BARRACKS	KARLSRUHE	202	1659	*	1659	1659	241	18TH ENGINEER BRIGADE
	NEUREUT KASERNE	KARLSRUHE	202	873	*	873	873	146	18TH ENGINEER BRIGADE
	SMILEY BARRACKS	KARLSRUHE	202	496	*	496	496	226	18TH ENGINEER BRIGADE
US	Army Base, Mainz								
	US Army Base, Mainz	*	202	4270	4286	8556	8556	*	8TH INFANTRY DIVISION (MECH)
	FINTHEN AIRFIELD	FINTHEN	202	835	*	835	835	455	V CORPS AVIATION
	DRAGONER KASERNE	MAINZ	202	87	*	87	87	5	8TH INFANTRY DIVISION
	LEE BARRACKS	MAINZ	202	2513	*	2513	2513	80	8TH INFANTRY DIVISION (MECH)
	MAINZ ARMY DEPOT	MAINZ	202	2376	*	2376	2376	56	TRACK VEHICLE REPAIR
	MCCULLY BARRACKS	WACKERNHEIM	202	797	*	797	797	77	8TH INFANTRY DIVISION (MECH)

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	US Army Base, Mannheim US Army Base, Mannheim	*	202	8300	2200	10500	10500	*	8TH INFANTRY DIVISION (MECH)
	COLEMAN BARRACKS	MANNHEIM	202	4476	*	4476	4476	580	7TH SIGNAL BRIGADE HQ
	FUNARI BARRACKS	MANNHEIM	202	340	*	340	340	26	US ARMY COMBAT EQUIP GROUP
	GENDARMERIE KASERNE	MANNHEIM	202	1	*	1	1	20	US ARMY LABOR SERVICE AGENCY
	SPINELLI BARRACKS	MANNHEIM	202	1174	*	1174	1174	200	4TH TRANSPORTATION BRIGADE
	SULLIVAN BARRACKS	MANNHEIM	202	655	*	655	655	108	8TH INFANTRY DIVISION (MECH)
	TAYLOR BARRACKS	MANNHEIM	202	835	*	835	835	114	US ARMY MILITARY COMMUNITY
	TURLEY BARRACKS	MANNHEIM	202	659	*	659	659	33	3RD SUPPORT COMMAND
	US Army Base, Munich US Army Base, Munich	*	202	1000	1400	2400	2400	*	66TH MILITARY INTELLIGENCE GP
	BAD AIBLING KASERNE	BAD AIBLING	202	55	*	55	55	322	COMMUNICATIONS
	HCGRAW KASERNE	MUNICH	202	924	*	924	924	113	ARMY & AF EXCHANGE
	US Army Base, Neu Ulm US Army Base, Neu Ulm	*	202	3700	400	4100	4100	*	1ST INFANTRY DIVISION (FWD)
	NELSON BARRACKS	NEU ULM	202	325	*	325	325	38	59TH ORDNANCE BRIGADE
	WILEY BARRACKS	NEU ULM	202	501	*	501	501	179	1ST INFANTRY DIVISION (FWD)
	US Army Base, Norddeutschland US Army Base, Norddeutschland	*	202	7400	1900	9300	9300	*	2ND ARMORED DIVISION (FWD)
	BREMENHAVEN HOSPITAL	BREMENHAVEN	202	250	*	250	250	9	HEALTH CARE

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	CARL SCHURZ KASERNE	BREMERHAVEN	202	1067	*	1067	1067	364	US ARMY SUPPORT GROUP
	LUCIUS D. CLAY KASERNE	GARLSTADT	202	1	*	1	1	3500	2ND ARMORED DIVISION (FWD)
US	US Army Base, Nuernberg								
	US Army Base, Nuernberg	*	202	14700	3100	17800	17800	*	1ST ARMORED DIVISION
	FERRIS BARRACKS	ERLANGEN	202	2187	*	2187	2187	316	1ST ARMORED DIVISION
	DARBY KASERNE	FUERTH	202	1726	*	1726	1726	99	1ST ARMORED DIVISION
	JOHNSON BARRACKS	FUERTH	202	991	*	991	991	127	1ST ARMORED DIVISION
	MONTIETH BARRACKS	FUERTH	202	1138	*	1138	1138	299	1ST ARMORED DIVISION
	HERZO DASE	HERZOGENTHAURACH	202	1125	*	1125	1125	316	VII CORPS ARTILLERY
	MERRELL BARRACKS	NUERNBERG	202	2713	*	2713	2713	43	2ND ARMORED CAVALRY REGIMENT
	NUERNBERG HOSPITAL	NUERNBERG	202	487	*	487	487	28	HEALTH CARE
	O'BRIEN BARRACKS	SCHWABACH	202	1603	*	1603	1603	54	1ST ARMORED DIVISION
	PINDER BARRACKS	ZIRNDORF	202	1733	*	1733	1733	61	1ST ARMORED DIVISION
US	US Army Base, Pirmasens								
	US Army Base, Pirmasens	*	202	4600	1960	6560	6560	*	59TH ORDNANCE BRIGADE
	DAHN AMMO DEPOT	DAHN	202	150	*	150	150	98	LOGISTICS DEPOT
	FISCHBACH ORDNANCE DEPOT	FISCHBACH	202	521	*	521	521	167	LOGISTICS DEPOT
	MUENCHWEILER HOSPITAL	MUENCHWEILER	202	1050	*	1050	1050	11	HEALTH CARE
	HUSTERHOEH KASERNE	PIRMASENS	202	2595	*	2595	2595	72	59TH ORDNANCE GROUP
	PIRMASENS UG STORAGE AREA	PIRMASENS	202	420	*	420	420	6	LOGISTICS DEPOT

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US	Army Base, Rheinberg								
	US Army Base, Rheinberg	*	202	1900	1300	3200	3200	*	11TH AVIATION GROUP
	Rheinberg	Rheinberg	202	510	*	510	510	960	11TH AVIATION GROUP
US	Army Base, Schweinfurt								
	US Army Base, Schweinfurt	*	202	9200	1200	10400	10400	*	3RD INFANTRY DIVISION (MECH)
	DALEY BARRACKS	BAD KISSINGEN	202	933	*	933	933	87	11TH ARMORED CAVALRY REGIMENT
	CONN BARRACKS	SCHWEINFURT	202	3024	*	3024	3024	500	3RD INFANTRY DIVISION (MECH)
	LEDWARD BARRACKS	SCHWEINFURT	202	4222	*	4222	4222	126	3RD INFANTRY DIVISION (MECH)
US	Army Base, Stuttgart								
	US Army Base, Stuttgart	*	202	13300	5000	18300	18300	*	HQ EUCOM & HQ VII CORPS
	BOEBLINGEN MAINTENANCE PLANT	BOEBLINGEN	202	33	*	33	33	190	2ND SUPPORT COMMAND
	PANZER KASERNE	BOEBLINGEN	202	2557	*	2557	2557	88	1ST INFANTRY DIVISION (FWD)
	FUNKER KASERNE	ESSLINGEN	202	2150	*	2150	2150	18	2ND SUPPORT COMMAND
	LUDENDORF KASERNE	KORNWESTHEIM	202	676	*	676	676	29	18TH ENGINEER BRIGADE
	WILKIN BARRACKS	KORNWESTHEIM	202	730	*	730	730	27	56TH FIELD ARTILLERY BRIGADE
	COFFEY BARRACKS	LUDWIGSBURG	202	868	*	868	868	22	US ARMY MEDICAL COMMAND
	FLAK KASERNE	LUDWIGSBURG	202	1111	*	1111	1111	44	2ND SUPPORT COMMAND
	KRABBENLOCH KASERNE	LUDWIGSBURG	202	913	*	913	913	28	VII CORPS SIGNAL BATTALION
	NELLINGEN KASERNE	HELLINGEN	202	2401	*	2401	2401	306	2ND SUPPORT COMMAND
	BAD CANNSTATT HOSPITAL	STUTTART	202	484	*	484	484	29	HEALTH CARE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	ECHTERTINGEN AIRFIELD	STUTTGART	202	315	*	315	315	196	ASA, USAREUR & 7TH ARMY
	GRENADIER KASERNE	STUTTGART	202	32	*	32	32	21	VII CORPS HQ
	KELLEY BARRACKS	STUTTGART	202	1316	*	1316	1316	63	VII CORPS HQ
	PATCH BARRACKS	STUTTGART	202	1313	*	1313	1313	94	HQ, US EUROPEAN COMMAND
	ROBINSON BARRACKS	STUTTGART	202	605	*	605	605	53	VII CORPS HQ
	WALLACE & MCGEE BARRACKS	STUTTGART	202	17	*	17	17	23	USAREUR ADJUTANT GENERAL
US	US Army Base, Wiesbaden	*	202	5200	3000	8200	8200	*	4TH INFANTRY DIVISION
	CAMP PIERI	WIESBADEN	202	710	*	710	710	38	V CORPS ARTILLERY
	WIESBADEN AIR BASE	WIESBADEN	202	2504	*	2504	2504	638	4TH INFANTRY DIVISION
US	US Army Base, Wildflecken	*	202	2600	600	3200	3200	*	3RD INFANTRY DIVISION (MECH)
	CAMP WILDFLECKEN	WILDFLECKEN	202	2600	*	2600	2600	17565	3RD INFANTRY DIVISION (MECH)
US	US Army Base, Worms	*	202	1500	1700	3200	3200	*	5TH SIGNAL COMMAND
	KRIEGSFELD AMMO DEPOT	KIRCHHEIMBOLLN	202	454	*	454	454	1219	LOGISTICS DEPOT
	QUIRNHEIM MISSILE STATION	QUIRNHEIM	202	220	*	220	220	31	32ND AIR DEFENSE COMMAND
	TAUKKUNEN BARRACKS	WORMS	202	795	*	795	795	5652	5TH SIGNAL COMMAND

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
US Army Base, Wuereburg	US Army Base, Wuereburg	*	202	12150	2500	14650	14650	*	3RD INFANTRY DIVISION (MECH)
	HARDHEIM MISSILE STATION	HARDHEIM	202	181	*	181	181	25	32ND AIR DEFENSE COMMAND
	HARVEY BARRACKS	KITZINGEN	202	2938	*	2938	2938	628	3RD INFANTRY DIVISION (MECH)
	LARSON BARRACKS	KITZINGEN	202	2065	*	2065	2065	656	3RD INFANTRY DIVISION (MECH)
	MAINBULLAU MISSILE STATION	MILTENBURG	202	2200	*	2200	2200	33	LABOR SERVICE AGENCY
	PEDEN BARRACKS	WERTHEIM	202	909	*	909	909	519	VII CORPS ARTILLERY
	EMERY BARRACKS	WURZBURG	202	1207	*	1207	1207	52	32ND AIR DEFENSE COMMAND
	GIEBELFACDT TACTICAL DEF FAC	WURZBURG	202	1414	*	1414	1414	26	32ND AIR DEFENSE COMMAND
	HINDENBURG BARRACKS	WURZBURG	202	775	*	775	775	17	3RD INFANTRY DIVISION (MECH)
	LEIGHTON BARRACKS	WURZBURG	202	1600	*	1600	1600	342	3RD INFANTRY DIV (MECH) HQ
US Army Base, Zweibruecken	US Army Base, Zweibruecken	*	202	1900	2000	3900	3900	*	60TH ORDNANCE GROUP (AMMO)
	MIESAU AMMO DEPOT	MIESAU	202	991	*	991	991	1077	LOGISTICS DEPOT
	KREUZBERG KASERNE	ZWEIBRUECKEN	202	922	*	922	922	119	US ARMY MAT'L MGT CTR, EUROPE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot	Total Pers.	Total Acreage	Major Unit-Activity-Function
ITALY									
	CAMP DARBY *	PISA	202	299	*	299	299	159	8TH SUPPORT GROUP (SETAF)
	CAMP EDERLE	VICENZA	402	1884	*	1884	1884	139	HEADQUARTERS, SETAF
JAPAN									
	AKIZUKI AMMUNITION DEPOT *	ETA JIMA	507	*	*	*	*	138	AMMUNITION STORAGE
	KAWAKAMI AMMO DEPOT	HIGASHI-HIRO	507	*	*	*	*	648	AMMUNITION STORAGE
	HIRO AMMUNITION DEPOT	KURE	507	*	28	28	30	88	AMMUNITION STORAGE
	KURE PIER NO 6	KURE	204	1	23	24	24	3	PORT
	NAHA PORT	NAHA, OKINAWA	204	40	175	215	215	227	PORT FACILITIES
	KACHIN HANTO AREA A	OKINAWA CITY	204	3	6	9	9	32	PORT
	POL FACILITIES	OKINAWA CITY	507	45	106	151	169	519	FUEL STORAGE & DISTRIBUTION
	TORII STATION	OKINAWA CITY	303	1185	126	1311	1311	467	COMMUNICATIONS
	SAGAMI GENERAL DEPOT	SAGAMIHARA	507	90	637	727	848	530	LOGISTICS DEPOT
	SAGAMIHARA HOUSING AREA	SAGAMIHARA	402	4	99	102	117	150	SUPPORT
	AKASAKA PRESS CENTER	TOKYO	402	50	230	280	295	7	SUPPORT
	KANAGAWA MILK PLANT	YOKOHAMA	507	*	42	42	43	3	MILK PLANT
	YOKOHAMA NORTH DOCK	YOKOHAMA	204	107	453	560	608	124	PORT FACILITIES
	ZAMA, CAMP	ZAMA/SAGAMIHARA	402	750	1988	2738	2811	584	HQ US FORCES, JAPAN/IX CORPS

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot	Total Pers.	Total Acreage	Major Unit-Activity-Function
KOREA, REPUBLIC OF									
	CAMP GREAVES *	BAEKYON-NI	202	435	5	440	440	1829	INFANTRY BATTALION
	CAMP MARKET	BUPYONG	202	182	5	187	187	122	MILITARY POLICE UNIT
	LIBERTY BELL	CHONSON-NI	202	292	*	292	292	27	INFANTRY COMPANY
	CAMP PAGE	CHUN CHON	202	576	18	594	594	497	SIGNAL CO. COMBAT SUPPORT UNIT
	CAMP COLBERN	HASONGGOK	202	426	*	426	426	76	SIGNAL BATTALION (-)
	CAMP HOWZE	KUMCHON-NI	202	844	5	849	849	157	INFANTRY BATTALION(N);BGE HQ
	CAMP KYLE	KUMG DONG	202	245	2	247	247	36	COMBAT SERVICE SUPPORT
	CAMP PELHAM	KUMGOWN-NI	202	874	7	881	881	76	ARTILLERY BATTALION
	STANTON	PANCHUK	202	443	1	444	444	17	AIR DEFENSE ARTILLERY
	KITTY HAWK	PANMUNJON	202	192	*	192	192	52	SECURITY
	CAMP MERCER	PUCHON	202	305	1	306	306	8	ENGINEER BATTALION
	HIACLEAH COMPOUND	PUSAN	202	490	83	573	641	140	HQ AND ADMIN
	CAMP HUMPHREYS	PYONGTAEK	202	3443	41	3484	3520	1351	COMBAT SERVICE SUPPORT; ENGR BN
	DISTRICT ENGINEER COMPOUND	SEOUL	402	61	208	269	269	11	US ARMY ENGR DIST, FAR EAST
	K-16 AIRFIELD	SEOUL	202	262	*	262	272	215	AVIATION COMPANIES
	YONGSAN GARRISON	SEOUL	402	5612	1107	6719	7419	1628	HQ, EIGHTH U S ARMY
	CAMP GIANT	SUNGU-HE	202	140	6	146	146	22	FACILITY ENGINEER
	CAMP ANES	TAECON	202	159	6	165	165	50	COMBAT SERVICE SUPPORT

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	CAMP HENRY	TAEGU	202	569	89	658	667	59	HO, 19TH SUPPORT COMMAND
	CAMP WALKER	TAEGU	202	490	118	608	664	191	COMBAT SERVICE SUPPORT
	CAMP CASEY	TONGDUCHON	202	5950	63	6013	6061	821	HEADQUARTERS & ADMINISTRATION
	CAMP CASTLE	TONGDUCHON	202	411	1	412	413	54	ENGINEER BATTALION (-)
	CAMP NIMBLE	TONGDUCHON	202	80	*	80	80	14	ENGINEER COMPANY
	CAMP HOVEY	TONGDUCHON-NI	202	2365	7	2372	2372	3928	INFANTRY BRIGADE
	CAMP ESSAYONS	UIJONG-BU	202	559	5	564	564	57	FIELD ARTILLERY BATTALION (MLRS)
	CAMP RED CLOUD	UIJONG-BU	202	1203	25	1228	1257	202	HO & ADMIN SUPPORT
	CAMP STANLEY	UIJONG-BU	202	2354	7	2361	2361	576	FIELD ARTILLERY BN; DIV ARTY
	CAMP FALLING WATER	UIJONGBU	202	4	10	14	19	47	FACILITY ENGINEER
	CAMP JACKSON	UIJONGBU	202	*	*	*	*	952	NGO ACADEMY
	CAMP SEARS	UIJONGBU	202	163	*	163	163	56	COMBAT SERVICE SUPPORT
	LAGJARDIA	UIJONGBU	202	189	*	189	189	34	AVIATION COMPANY
	CAMP CARROLL	WAEGWAN	507	876	42	918	937	744	LOGISTICS DEPOT
	CAMP EDWARDS	VOLLONG	202	491	*	491	491	10	FORWARD AREA SUP TEAM, ENGR CO
	CAMP LONG	WONJU	202	328	2	330	330	84	COMBAT SERVICE SUPPORT
	CAMP GARRY OWEN	YONG POONG	202	496	6	502	502	5	CAVALRY SQ HQ
	CAMP INDIAN	YONGHON-DI	202	91	1	92	92	10	ENGINEER COMPANY

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
			PANAMA						
	* DEFENSE COMPLEX, PANAMA	*	202	7634	5997	13631	14511	24143	SUPPORT OF ARMY IN PANAMA
			TURKEY						
	* DIOGENES STATION	SINOP	303	292	*	292	292	382	COMMUNICATIONS
			UNITED KINGDOM						
	* BURTONWOOD ARMY DEPOT	WARRINGTON	507	44	*	44	44	134	DEPOT, TECHNICAL SITE

CHAPTER THREE  
NAVY BASE STRUCTURE

I. INTRODUCTION

The Navy Base Structure Annex to the Manpower Requirements Report for FY 1987 is submitted in compliance with Section 138 of Title 10, United States Code. The Navy Annex consists of five sections in addition to the Introduction. Section II, Base Structure Overview, discusses factors affecting the number and capabilities of Navy Shore Bases. Section III relates major Navy bases to the forces supported within the framework of the Installation Defense Planning and Programming (IDPP) categories. Section IV, Base Operations Costs, provides a summary table by major defense programs of those costs included in this category. Section V discusses the Navy's continuing process for appraising base operations costs. Section VI is a listing of installations, activities, and properties comprising the base structure.

Most bases listed in Section VI have multiple missions. Only primary missions are shown. Personnel assigned to ships and aircraft squadrons which are homeported or assigned at a given base are included in Section VI, personnel data.

## II. BASE STRUCTURE OVERVIEW

As a nation with global interests and responsibilities in a formal alliance structure, the United States requires a strong, vital, and well-supported Navy to execute its national military strategy. During peacetime operations, the Navy must satisfy a variety of national commitments and respond to frequent demands for forward presence. Those demands require global mobility and flexibility, and an overseas basing structure for support, addresses the range of possibilities for the effective application of maritime power along the spectrum of peace to global conventional war to war termination on favorable terms. Sister services are integrated with Navy and Marine Corps operations. Allies are a most important part of the strategy through a system of treaties, multilateral agreements, and other bilateral commitments. National policy gives direction to the Global Maritime Elements of United States National Military Strategy, comprising the Maritime Strategy. Based on deterrence, that strategy is global, forward, and cedes no vital area by default as we operate in conjunction with our sister services and allies. In the event of a crisis, the Navy -- which has been the nation's principal military instrument for crisis response since 1946 -- protects American interests overseas and provides a broad range of options to the National Command Authority for the purpose of escalation control. Naval forces are the lead element of the forward movement which demonstrates United States and allied will and determination. In time of global conventional war, the Navy provides a credible deterrent, but aggressively seizes and presses home the strategic initiative if deterrence fails. Vital resupply lines are protected, naval warfare is conducted far forward, and maritime power is projected against targets at sea and on land.

These demands, coupled with the growing challenge posed by Soviet maritime forces, drive our naval force planning and dictate requirements that our forces must be able to meet. The forces must be large enough to support our alliance system in peace and war. They must also be capable of operating effectively in forward areas, most likely against heavy Soviet opposition.

Our base structure is integral to the peace-keeping and war-fighting capability. The breadth of our locations is global. The depth must be adequate to accommodate the full range of logistics required to operate and maintain the platforms, weapons, and sensor systems needed for maritime superiority.

Following the Vietnam War, the size of the Fleet was reduced and subsequent budget cutbacks forced the slowdown of base modernization. Some naval bases were closed. Others

were scaled down and real estate excessed to achieve an economical base posture for the smaller Fleet. Even with the reduced base structure, the amount of military construction funded each year has not kept pace with the aging of the facilities. The average age of Navy facilities is 40 years with the Navy's shipyards having an average facilities age of 54 years. At the current rate of investment of approximately 500 million dollars per year, there will be a constant increase in the number of facilities which have exceeded their economical life.

Since the end of the Vietnam War, turmoil in Southwest Asia, the Persian Gulf region, the Caribbean, Central America, and South America has increased our defense commitments instead of permitting them to decrease to match our reduced Fleet size. During this same period, the Soviet fleet has increased in size and sophistication of weaponry. The stronger Soviet fleet is being used to expand their sphere of political influence through logistic support of destabilizing and revolutionary political movements in non-communist countries.

These factors support the need to rebuild the strength of our naval forces and base structure. It is recognized that this must be accomplished with limited financial resources. Effective naval strength can only be attained and maintained at the most economical cost if the basing is carefully structured and adequately capitalized for renewal to support the needed forces. The Navy continuously reviews its base structure to ensure the leanest adequate combination of bases. Base realignments are carefully weighed against the overall mission requirements and future basing flexibility.

As requirements are evaluated, the most effective installations are retained. Consolidation of bases and excessing of bases are used to carve away unnecessary costs. Considerations used to assess potential realignments include the following:

1. Strategic and operational impact - how the closure/realignment would effect strategic or operational capabilities, and how the action would improve the operational efficiency of the base structure.
2. Fiscal and budgetary impact - the costs and savings as well as manpower changes associated with each proposed action.
3. Local economic impact - the primary effects of each proposed action on the economies of the losing or gaining communities.
4. Environmental - the effects of the proposed action on the environment.

These considerations provide a broad set of criteria used in developing and evaluating base realignment proposals. They are as follows: mission degradation resulting from force turbulence, geographic location, facilities availability and condition, community services available, potential to accommodate future force requirements, existing or future land use incompatibilities which might adversely impact operations, budgeting considerations inherent in the proposed realignment action, and possible adverse environmental impact.

### III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

Rebuilding the nation's maritime strength required changing and strengthening the base structure to support the growing fleet. The base structure is critical to a stronger Navy. Changes to the base structure support the following six goals for our general purpose naval forces:

1. Improve readiness and sustainability;
2. Meet global responsibilities, build a 600-ship fleet by the end of the decade;
3. Expand and improve power projection forces, including aircraft carrier battle groups, battleships, amphibious assault ships, and cruise missile forces;
4. Upgrade anti-submarine warfare capabilities;
5. Improve capabilities to intercept bombers and cruise missiles; and
6. As a complement to the enlarged fleet, modernize and expand our support and mine warfare forces.

In moving toward these goals, and in the context of our Maritime Strategy, the Navy recently reviewed its base structure and its effectiveness in supporting the needed force structure. A principle concern was that homeporting in the continental U. S. and Hawaii was not optimum in the contexts of military strategy or operations. The second concern was how to accommodate the 130 additional ships coming into the fleet as we build to the 600 ship/15 Carrier Battlegroup Force level. With Norfolk and San Diego each having in excess of 100 ships assigned at the start of President Reagan's administration, adding the new ships to these locations would have concentrated more than 50 percent of our entire fleet in only two ports. These concerns resulted in development of the Strategic Homeporting Concept.

The Strategic Homeporting Concept is based upon several principles:

- Dispersal of forces to maximize survivability. This complicates warfare targeting by the enemy, whether terrorist or conventional, and reduces the losses of capital ships from a relatively simple but sharply focused attack.

- Homeporting in more diverse geographical locations to provide opportunity to train and operate in a variety of environments and reduce response time to potential conflict areas. There is a growing consensus that if a US-Soviet conflict occurred, the bulk of the combat at sea is likely to take place in the Aleutian/Northwest Pacific Theater and in the northerly sea lines of communication (SLOCs) of the Atlantic. Homeporting in the Northwest would enhance our responsiveness in the Northern Pacific. Defending Iceland and controlling the northern flank is vital to our NATO commitments. Homeporting in the Gulf is needed to protect our SLOCs supporting transshipment of vital raw materials to the U. S. and significant amounts of initial mount-out and resupply provisions of ammunition, fuel, and equipment to the

European Theater. A physical presence in the Gulf will also enhance our responsiveness to potential Caribbean/Central American conflicts. The geographical dispersion of active forces also increases the opportunity for collocated Reserve Ships to train as part of an integrated total force.

- Collocation of ships to form balanced battlegroups which are prepared to undertake the full spectrum of naval warfare missions upon leaving the harbor. No time is lost gathering ships. Carriers and battleships are not exposed without proper escort.

- Maintenance of an adequate industrial base by homeporting ships near additional locations with existing private sector industrial capacity. This permits taking advantage of that capacity during peacetime and to surge to wartime production levels more rapidly.

- Development of additional logistic support complexes to support our expanding Navy and to sustain our forward Maritime Strategy. While maximizing the use of existing base infrastructure, new dispersed bases must be provided to permit implementation of the other principles of the Strategic Homeporting Concept.

The types, number, and location of aircraft rework facilities, ordnance activities, weapons ranges, and other support bases remain the same. Specialized education and training complexes support recruit training, specialized skill training, officer acquisition training, and undergraduate flight training. Fleet training is provided at selected operation bases. Initial skill training is provided in proximity to acquisition training. No new bases or major real estate expansions have been identified for these functions.

A brief discussion of the missions and structure changes by Installation Defense Planning and Programming Category follows. A listing of the major activities within these categories is provided in Section VI.

#### STRATEGIC FORCES (100)

The Submarine Base, Bangor, Washington became fully operational on 1 July 1981. The Submarine Base, Kings Bay, Georgia is supporting a full squadron of submarines and is the site for an East Coast Trident Base which is due to be operational in FY 1989.

#### GENERAL PURPOSE FORCES (200)

The Fleet aircraft basing concept retains the minimum number of bases for programmed aircraft and collocates carrier-based tactical and carrier-based anti-submarine warfare (ASW) aircraft. No new air bases are planned; however, the Naval Air Station at Fallon, Nevada, is being expanded significantly to accommodate air training at supersonic air speeds and to construct facilities for air strike

training. Air bases receiving the F/A-18 aircraft and other air warfare weapon systems are being modernized through construction of new facilities but are not being expanded in acreage.

The Reserve Air Stations are being modernized for the Ready Reserve Air Squadrons who are now receiving the "state-of-the-art" weapon systems. This is in contrast to the former policy of providing them "second-hand" systems discarded by the regular Navy.

#### AUXILIARY FORCES (300)

The Navy Command and Control System provides the means to exercise operational direction of naval forces. It ensures that the National Command Authorities, unified commanders, naval component commanders, and subordinate naval commanders are able to receive sufficient, accurate, and timely information on which to base their decisions and have the means to communicate their decisions to the forces. No major changes in base structure have been identified for these bases. Emphasis is on modernization of the sensor systems to attain needed security, sensitivity, and immunity to electronic countermeasures.

#### MISSION SUPPORT FORCES (400)

Implementation of the Strategic Homeporting Concept is planned in two parts:

1. Adjusting the mix of ships in our traditional ports of Norfolk, Charleston, Mayport, Newport, San Diego, San Francisco, and Pearl Harbor to attain the proper types of escorts for our Battleship Surface Action Groups (BB SAGs) and Carrier Battle Groups (CVBGs).

2. Developing new homeports for a BB SAG in the Northeast, a CVBG in the northwest, a BB SAG and CVBG in the Gulf, and homeporting a second BB SAG on the West Coast.

This implementation should be completed in the early 1990's. The Secretary of the Navy has selected Staten Island (Stapleton/Fort Wadsworth) in New York City as the preferred site in the northeast. The first ships should arrive at this site in September 1988. In the northwest, Everett, Washington was selected as the preferred site. The first ships should arrive at this site in December 1988. A homeporting plan for the Gulf is being developed to include several cities. A BB SAG is proposed for Corpus Christi, Texas; Naval Reserve Force vessels for Galveston, Texas; a CVBG for Pensacola, Florida; Pascagoula, Mississippi; and the Mobile, Mississippi area; and miscellaneous ship homeports in Lake Charles, Louisiana; Gulfport, Mississippi; and Key West, Florida. Studies are underway to enable the Final Record of Decision to be made by February, 1987. On the west coast,

studies are underway to select a suitable site or mix of homeports among Long Beach, California; San Francisco, California; and Pearl Harbor, Hawaii. The final decision will be announced about February, 1987.

Cruise missile forces are being introduced to distribute offensive striking power throughout the fleet. The Harpoon is designed for anti-ship strikes. The Tomahawk has the range to reach both ships and shore targets beyond the horizon. These systems are being deployed at existing bases but require modernization of maintenance and storage facilities.

Amphibious assault forces are receiving the Landing Craft, Air Cushioned (LCAC) vehicle and the MV-22 tilt rotor aircraft which will improve their ship-to-shore mobility. These forces are also receiving the LHD-1 multipurpose amphibious assault ship and the LSD-41 Cargo Variant ship to provide increased lift and dock-loading capability.

Advanced base planning is underway to support the attack submarine community in replacing the SSN-688 class submarine with the SSN-21. This new weapon system will be deployed at five homeports.

The new weapon systems for the amphibious and the submarine communities are being deployed at existing bases. These systems require modernization of logistic support ranging from the waterfront facilities for the ships and hangars for the aircraft to weapons supply and maintenance facilities.

#### CENTRAL SUPPORT FORCES (500)

The Naval Medical Command, through a network of regional medical and dental centers, associated hospitals, and dispensaries, provides medical care in support of the fleet and to other qualified beneficiaries. Renewed emphasis has been placed on wartime medical readiness resulting in readiness being the driving factor in determining the size and composition of the medical care system. Medical readiness improvements are providing two San Clemente class tankers which are being converted into floating general hospitals with 1,000 beds and 12 operating rooms each.

The Naval Education and Training Command provides trained personnel to man and support the fleet. This includes recruit training, officer acquisition training, specialized skill training, flight training, and professional development education. The average age of the Training Command's facilities is 36 years. In the training function, which is

characterized by high technological change of weapon systems used by the trainees in these facilities, modernization of the bases is required more frequently than in other support functions. This is being accomplished, as funding is provided, by modernizing facilities on existing bases. A study is underway for the Pensacola, Florida, Naval Air Training Complex to determine the base structure required to "fly the training program into the twenty-first century." The study will recommend needed base realignment actions needed to protect the critical airspace.

INDIVIDUAL (600)

None.

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1987

A summary of the estimated FY 1987 Base Operations Support Costs follows.

TABLE IX

MAJOR DEFENSE PROGRAMS  
NAVY BASE OPERATIONS  
SUPPORT COSTS (\$MILLIONS)

<u>MAJOR DEFENSE PROGRAM</u>	<u>FIFTY STATES</u>	<u>US TERRITORIES/ POSSESSIONS</u>	<u>FORIEGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	137.1	--	--	137.1
General Purpose (02)	1033.5	50.0	582.1	1665.6
Intell. & Comm. (03)	66.5	17.5	45.7	129.7
Air/Sealift (04)	--	--	--	--
Guard & Reserve (5)	196.5	--	--	196.5
Research & Develop (6)	107.5	--	--	107.5
Cent. Supply & Maint. (07)	915.9	23.3	85.5	1024.7
Trng. Med. & Other Personnel (8)	674.8	4.6	41.4	720.8
Admin. & Assoc. (09)	150.2	--	2.8	153.0
Support to Other Nations (10)	--	--	--	--
Subtotal	<u>3282.0</u>	<u>95.4</u>	<u>757.5</u>	<u>4134.9</u>
Construction	1799.5	53.8	148.6	2001.9
Family Housing Operations and Maintenance	348.5	34.8	74.7	458.0
Total	<u>5430.0</u>	<u>184.0</u>	<u>980.8</u>	<u>6594.8</u>

## V. ACTIONS TO REDUCE BASE OPERATIONS SUPPORT (BOS) COSTS

The Navy assigns responsibility for base operations to the Commanding Officer of each individual shore activity. Major claimants perform a strong management role and the staff of the Navy Department provides guidance and long term objectives. The Navy has established a central program sponsor for Base Operations Support (BOS) and is creating a framework to manage this program to be responsive to the needs of the operating forces and the requirements of OSD, OMB and Congress.

There is a direct relationship between effectiveness of shore bases and overall readiness of the Navy. Effectiveness of shore bases is dependent on effectiveness of the base operations support functions. Constrained BOS resources require resources being applied up to, though not beyond, requirements. The Navy is seeking an adequate level of effectiveness in the base operations support function and the protection of its capital investment in the shore establishment with the use of the minimum possible resources to achieve that level.

The management process to accomplish this consists of four parts: assessment, programming of resources, budgeting, and management improvements.

This process relies on assessments by Commanding Officers and intermediate commanders in the chain of command to determine the Navy's ability to perform shore base missions at current and projected resource levels.

The results of these assessments are now being used in the acquisition and distribution of resources.

### LONG-RANGE GOALS OF BASE OPERATIONS MANAGEMENT

To provide an acceptable level of readiness at shore activities with the minimum commitment of resources.

### MAJOR OBJECTIVES

- To place emphasis on the study of in-house commercial industrial type activities with a view towards conversion to contract accomplishments where economically justified. Since FY 1980 an in-house savings of 1147 people has been achieved. This is a 14 percent average reduction.
- To develop excellent installations to carry out Defense missions through the Model Installations Program. As of 23 December 1985, 170 initiatives have been approved and 60 are pending. The number of activities participating in this program is expected to increase from 6 to 10 activities in FY 1986.

- To determine and to provide funding alternatives for base operations program deficiencies at the shore activity level that detract from the Navy's ability to support the operating forces.

- To determine and to provide funding alternatives for base operations program deficiencies in personnel support areas that directly impact the Navy's ability to retain quality personnel and that detract from the quality of life for all naval personnel.

- To recover from a long-term trend of depressed funding in Maintenance of Real Property (MRP) which has resulted in marginal to poor facility conditions with the potential for impact on readiness and adverse life cycle economics.

- To conform to the direction of Executive Order 12003, which amends Executive Order 11912 relating to energy policy and conservation, and to reflect a reduction in energy consumption at Navy Shore Bases.

- To replace existing, deteriorated facilities with new facilities that are less expensive to maintain.

Base operations support costs are directly related to the size of shore bases which are directly related to the size of the operating forces. The method of accomplishing the objectives in base operations is directed toward identifying the minimum resources required to adequately support the operating forces. Considering this direct relationship, the objective of establishing a "minimum cost of ownership" is imperative for accomplishing management improvement.

SECTION VI  
NAVY BASE STRUCTURE

TABLE X

## SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
GENERAL PURPOSE (202)	32	4	7	43
GUARD AND RESERVE (205)	6			6
INTELLIGENCE AND COMMUNICATIONS (303)	18	2	13	33
RESEARCH AND DEVELOPMENT (306)	30		1	31
GENERAL PURPOSE (402)	26	1	9	36
CENTRAL SUPPLY AND MAINTENANCE (507)	60	4	8	72
TRAINING, MEDICAL AND OTHER PERSONNEL (506)	66	1	5	72
<b>TOTAL NAVY</b>	<b>240</b>	<b>12</b>	<b>43</b>	<b>295</b>

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ALABAMA									
	BARIN FIELD	BALDWIN CO	508	*	*	*	*	968	OUTLYING LANDING FIELD
	NAVAL OLF KAISER	BALDWIN CO	508	*	*	*	*	58	OUTLYING LANDING FIELD
	NAVAL OLF MAGNOLIA	BALDWIN CO	508	*	*	*	*	483	OUTLYING LANDING FIELD
	NAVAL OLF SILVERHILL	BALDWIN CO	508	*	*	*	*	399	OUTLYING LANDING FIELD
	NAVAL OLF SUMMERDALE	BALDWIN CO	508	*	*	*	*	565	OUTLYING LANDING FIELD
	NAVAL ALF BREWTON	BREWTON	508	*	*	*	*	673	AUXILIARY LANDING FIELD
	NAVAL OLF MIDDLETON	CONECOH CO	508	*	*	*	*	440	OUTLYING LANDING FIELD
	NAVAL OLF WOLF	JOSEPHINE	508	*	*	*	*	422	OUTLYING LANDING FIELD
ALASKA									
	NAVAL AIR STATION, ADAK	ADAK	202	2539	156	2695	2745	52180	PATROL AIRCRAFT
	NAVAL SECURITY GROUP ACTIVITY	ADAK	303	528	9	537	540	8820	COMMUNICATIONS
	CAPE PRINCE OF WALES	WALES	306	*	*	*	*	476	SUPPORT SITE-OCEAN SYS CTR
ARIZONA									
	ARIZONA FACILITY	MARICOPA CO	306	*	*	*	*	1106	TEST FACILITY-OCEAN SYS CTR
CALIFORNIA									
	NAS, ALAMEDA	ALAMEDA	202	10117	5799	15916	17204	2616	SUPPORT AIRCRAFT, NARF
	NAVAL HOSPITAL, C PENDLETON	CAMP PENDLETON	508	907	370	1277	1304	187	HEALTH CARE

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Statc	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	NAVAL WEAPONS CTR, CHINA LAKE	CHINA LAKE	306	966	5451	6417	8572	1126585	AIR WARFARE&MISSILE SYSTEMS
	NAVAL WEAPONS STA, CONCORD	CONCORD	507	2951	1243	4194	4303	13024	WEAPONS PRODUCTION
	NAVAL ALF CROWS LANDING	CROWS LANDING	202	*	*	*	*	1539	AUXILIARY FIELD
	NAVAL AIR FACILITY, EL CENTRO	EL CENTRO	202	711	152	863	994	63138	FLEET AIR TRAINING SUPPORT
	NAVAL FAC, CENTERVILLE BEACH	FERNDAL	303	214	21	235	238	49	OCEANOGRAPHIC RESEARCH
	NAVAL OLF IMPERIAL BEACH	IMPERIAL BEACH	202	*	*	*	*	1153	OUTLYING FIELD
	NAS, LEMOORE	LEMOORE	202	6172	724	6896	7540	39173	ATTACK AIRCRAFT
	LONG BEACH NAVAL SHIPYARD	LONG BEACH	507	829	6577	7406	7635	350	SHIP ALTERATION&REPAIR
	NAVAL HOSPITAL, LONG BEACH	LONG BEACH	508	675	416	1091	1091	65	HEALTH CARE
	NAVSTA, LONG BEACH	LONG BEACH	402	10866	337	11205	12408	1397	FLEET&SHORE ESTABLISHMENT SPT
	NAS, MOFFETT FIELD	MOFFETT FIELD	202	5702	587	6289	7072	2380	AREA COORDINATOR
	NAVAL POSTGRADUATE SCHOOL	MONTEREY	508	2101	1006	3107	3154	619	PROFESSIONAL DEVELOPMENT TNG
	NAV MEDCOM NW REG	OAKLAND	508	1576	702	2278	2336	191	HEALTH CARE
	NAV PUBLIC WKS CTR, S FRAN	OAKLAND	507	10	1462	1472	1472	696	FACILITIES SUPPORT
	NAVAL SUPPLY CTR, OAKLAND	OAKLAND	507	2284	3759	6043	6433	1134	SUPPLY SUPPORT
	NAVAL IND. RESERVE PLANT	POMONA	507	*	*	*	*	160	MISSILE SYSTEMS (C)
	NAV CONST BN CTR, PT HUENEME	PORT HUENEME	402	4634	4264	9098	9437	2428	CONSTRUCTION FORCE SUPPORT
	LAGUNA PEAK	PT MUGU	306	*	*	*	*	44	INSTRUMENTATION SITE
	PACIFIC MISSILE TEST CENTER	PT MUGU	306	2394	4293	6687	9489	4528	RDT&E AIR LAUNCHED WEAPONS
	SAN MIGUEL ISLAND	PT MUGU	306	*	*	*	*	9083	WEATHER STATION

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State	Name of Installation	City	IOPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	SAN NICHOLAS ISLAND	PT MUGU	306	*	*	*	*	13370	RANGE INSTRUMENTATION
	SANTA BARBARA ISLAND	PT MUGU	306	*	*	*	*	1	WEATHER STATION
	SANTA CRUZ ISLAND	PT MUGU	306	*	*	*	*	10	INSTRUMENTATION SITE
	NAVAL ALF SAN CLEMENTE	SAN CLEMENTE	202	*	*	*	*	36200	AUXILIARY FIELD
	FLEET ASW TRAINING CTR, PAC	SAN DIEGO	508	2434	76	2512	2614	37	ASW TRAINING
	FLEET COMBAT TRAINING CTR, PAC	SAN DIEGO	508	756	326	1082	1188	91	SPECIALIZED TRAINING
	NAS, MIRAMAR	SAN DIEGO	202	12169	940	13109	16919	23413	FIGHTER & ATTACK AIRCRAFT
	NAS, NORTH ISLAND	SAN DIEGO	202	24104	6342	30446	32382	10511	EARLY WARNING&ASW AIRCFT, NARF
	NAV ELECTRONIC SYSTEM ENG CTR,	SAN DIEGO	306	46	744	790	1034	3	R&D-ELECTRONICS
	NAV PUBLIC WKS CTR, SAN DIEGO	SAN DIEGO	507	17	2505	2522	3241	2120	FACILITIES SUPPORT
	NAV SUB BASE, SAN DIEGO	SAN DIEGO	402	6691	59	6750	6950	289	SUBMARINE FORCE SUPPORT
	NAVAL AMPHIB BASE, CORONADO	SAN DIEGO	402	4069	269	4338	4342	1095	AMPHIBIOUS WARFARE TRAINING
	NAVAL COMM STA, SAN DIEGO	SAN DIEGO	303	309	212	521	553	622	COMMUNICATIONS
	NAVAL HOSPITAL, SAN DIEGO	SAN DIEGO	508	2140	814	2954	3001	85	HEALTH CARE
	NAVAL OCEAN SYSTEMS CENTER	SAN DIEGO	306	401	3749	4150	5669	2248	OCEAN SYS R & D
	NAVAL STATION, SAN DIEGO	SAN DIEGO	402	38414	2127	40541	40848	1510	OPERATING BASE
	NAVAL SUPPLY CTR, SAN DIEGO	SAN DIEGO	507	233	1755	1988	2068	543	SUPPLY DEPOT
	NAVAL TRAINING CTR, SAN DIEGO	SAN DIEGO	508	11874	252	12126	12502	546	RECRUIT & SKILL TRAINING
	NAVAL STATION, TREASURE IS	SAN FRANCISCO	402	448	147	595	710	995	FLEET&SHORE ESTABLISHMENT SPT
	SUPSHIP, SAN FRANCISCO	SAN FRANCISCO	507	*	*	*	*	938	SHIP REPAIR (1)

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	NAVAL FUEL FARM, SAN PEDRO	SAN PEDRO	507	*	*	*	*	330	STORAGE-FUELS
	NAVAL WEAPONS STA, SEAL BEACH	SEAL BEACH	507	389	2420	2809	3072	13975	ORDNANCE SUPPORT
	NAV SECURITY GP ACT, SKAGGS IS	SONOMA	303	300	35	335	346	3309	COMMUNICATIONS
	NAVAL COMM STA, STOCKTON	STOCKTON	303	269	938	1207	1262	2789	COMMUNICATIONS
	MARE ISLAND NAVAL SHIPYARD	VALLEJO	507	59	9974	10033	10433	5621	SHIP ALTERATION&REPAIR
	NAVAL STATION, MARE ISLAND	VALLEJO	402	3134	10847	13981	14090	500	LOGISTIC SUPPORT
CONNECTICUT									
	NAVAL WEAPONS IND RESERVE PLT	BLOOMFIELD	507	*	*	*	*	85	PRODUCTION-HELICOPTERS (C)
	NAVAL SUB BASE, NEW LONDON	GROTON	402	13046	1042	14088	14398	1326	SUBMARINE FORCES SUPPORT
	NAV UNDERWATER SYS DEV CTR, NL	NEW LONDON	306	*	*	*	*	26	R&D-UNDERSEA WARFARE
DIST OF COLUMBIA									
	HO NAV DISTRICT WASHINGTON	WASHINGTON	402	2190	3929	6119	7373	572	ADMINISTRATIVE/LOGISTICS
	NAVAL OBSERVATORY	WASHINGTON	303	71	490	561	572	72	NAVAL OBSERVATORY
	NAVAL RESEARCH LABORATORY	WASHINGTON	306	110	3518	3628	5654	844	PHYSICAL SCIENCES RESEARCH
	NAVAL SECURITY STA, WASHINGTON	WASHINGTON	303	556	638	1194	1231	38	COMMUNICATIONS
FLORIDA									
	PINECASTLE RANGE	ASTOR	202	*	*	*	*	5825	RANGE
	STEVENS LAKE TARGET	CAMP BLANDING	202	*	*	*	*	2554	TARGET

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	NAS, CECIL FIELD	CECIL FIELD	202	8535	626	9161	10373	17607	ATTACK & ASW AIRCRAFT
	NAVAL OLF 4A	ESCAMBIA	508	*	*	*	*	1	OUTLYING LANDING FIELD
	NAVAL OLF 3A	ESCAMBIA	508	*	*	*	*	640	OUTLYING LANDING FIELD
	NAVAL OLF BRONSON	ESCAMBIA	508	*	*	*	*	1098	OUTLYING LANDING FIELD
	NAVAL OLF SITE 6	ESCAMBIA	508	*	*	*	*	240	OUTLYING LANDING FIELD
	NAVAL SECURITY GROUP ACTIVITY	HOMESTEAD	303	368	51	419	458	815	COMMUNICATIONS
	LAKE GEORGE TARGET	JACKSONVILLE	202	*	*	*	*	1	TARGET
	NAS, JACKSONVILLE	JACKSONVILLE	202	9355	6076	15431	18333	3822	PATROL & ASW AIRCRAFT, NARF
	NAVAL FUEL DEPOT, JACKSONVILLE	JACKSONVILLE	507	*	*	*	*	181	STORAGE-FUELS
	NAVAL HOSPITAL, JACKSONVILLE	JACKSONVILLE	508	1118	267	1385	1463	75	HEALTH CARE
	NAVAL OLF WHITEHOUSE	JACKSONVILLE	202	*	*	*	*	2507	OUTLYING LANDING FIELD
	NAVAL SUPPLY CENTER	JACKSONVILLE	507	29	664	693	747	119	SUPPLY SUPPORT
	RODMAN TARGET	JACKSONVILLE	202	*	*	*	*	2693	TARGET
	NAS, KEY WEST	KEY WEST	202	3008	568	3576	3989	17955	RECONNAISSANCE AIRCRAFT
	NAVAL STATION, MAYPORT	MAYPORT	402	15940	675	16615	16866	2768	OPERATING BASE
	NAS, WHITING FIELD	MILTON	508	2630	268	2898	3781	4122	FLIGHT TRAINING
	NAVAL OLF SITE 1	MILTON	508	*	*	*	*	207	OUTLYING LANDING FIELD
	NAVAL OLF SITE 2	MILTON	508	*	*	*	*	573	OUTLYING LANDING FIELD
	NAVAL TRAINING CENTER, ORLANDO	ORLANDO	508	12631	2222	15053	23240	2057	RECRUIT & SKILL TRAINING
	NAV COASTAL SYSTEMS CENTER	PANAMA CITY	306	732	1179	1911	2131	1111	COASTAL REGION WARFARE

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	NAS, PENSACOLA	PENSACOLA	508	6871	6234	13105	13525	5511	FLIGHT TRAINING, NARF
	NAV ED&TNG PRO DEV CTR, ELLYSON	PENSACOLA	508	354	745	1099	1379	945	TRAINING PROGRAM DEVELOPMENT
	NAV PUBLIC WKS CTR, PENSACOLA	PENSACOLA	507	12	875	887	1118	291	FACILITIES SUPPORT
	NAVAL HOSPITAL, PENSACOLA	PENSACOLA	508	639	244	883	921	78	HEALTH CARE
	NAVAL TECH TNG CTR, CORRY STA	PENSACOLA	508	2836	177	3013	3109	432	TECHNICAL TRAINING
	NAVAL OLF CHOCTAW	SANTA ROSA	508	*	*	*	*	800	OUTLYING LANDING FIELD
	NAVAL OLF HOLLEY	SANTA ROSA	508	*	*	*	*	698	OUTLYING LANDING FIELD
	NAVAL OLF SANTA ROSA	SANTA ROSA	508	*	*	*	*	738	OUTLYING LANDING FIELD
	NAVAL OLF SPENCER	SANTA ROSA	508	*	*	*	*	640	OUTLYING LANDING FIELD
	NAVAL WEAPONS IND RESERVE PLT	WEST PALM BEACH	507	*	*	*	*	400	STORAGE-AIRCRAFT PARTS (C)
GEORGIA									
	NAVY SUPPLY CORPS SCHOOL	ATHENS	508	303	57	360	385	58	SKILL TRAINING
	NAVAL SUB BASE, KINGS BAY	KINGS BAY	402	2147	500	2647	4787	16711	SUBMARINE BASE
	NAS, ATLANTA	MARIETTA	205	649	157	806	2436	164	RESERVE AIR TRAINING
HAWAII									
	MAKALAPA	AIEA	402	*	*	*	*	114	OPERATIONAL SUPPORT
	OHANA NUI	AIEA	402	*	*	*	*	43	OPERATIONAL SUPPORT
	NAS, BARBERS POINT	BARBERS POINT	202	4791	513	5304	5506	3746	PATROL AIRCRAFT
	NAVAL ALF FORD ISLAND	HONOLULU	202	*	*	*	*	229	AUXILIARY TRAINING FIELD

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	NAV PAC MISSILE RANGE FACILITY	KEKAHA	306	133	96	229	762	2382	MISSILE FIRING RANGE
	NAVAL MAGAZINE, LUALUALEI	LUALUALEI	507	821	346	1167	1182	8176	ORDNANCE SUPPORT
	KAULA ISLAND	NIHAU	202	*	*	*	*	108	TARGET
	FORD ISLAND	PEARL CITY	402	*	*	*	*	189	OPERATIONAL SUPPORT
	NAV PUB WKS CTR, PEARL HARBOR	PEARL HARBOR	507	58	1301	1359	1451	2091	FACILITIES SUPPORT
	NAVAL STATION, PEARL HARBOR	PEARL HARBOR	402	9668	1537	11205	11280	5487	OPERATING BASE
	NAVAL SUB BASE, PEARL HARBOR	PEARL HARBOR	402	3502	266	3768	3851	103	SUBMARINE FORCES SUPPORT
	NAVAL SUPPLY CTR, PEARL HARBOR	PEARL HARBOR	507	209	947	1156	1224	838	SUPPLY SUPPORT
	PEARL HARBOR NAVAL SHIPYARD	PEARL HARBOR	507	249	6673	6922	6946	161	SHIP ALTERATION & REPAIR
	NAV COMM AREA MASTER STA, EPAC	WAHIAWA	303	878	208	1086	1225	2422	COMMUNICATIONS
	KOLE KOLE PASS	WAIPAHI	507	*	*	*	*	31	LOGISTICS SUPPORT
	LOWER KIPAPA	WAIPAHI	507	*	*	*	*	1	LOGISTICS SUPPORT
	WAIFELE	WAIPAHI	507	*	*	*	*	516	LOGISTICS SUPPORT
	WAIPIO PENINSULA	WAIPAHI	507	*	*	*	*	1412	AMMUNITION STORAGE
	WEST LOCH	WAIPAHI	507	*	*	*	*	2670	AMMUNITION STORAGE
ILLINOIS									
	NAS, GLENVIEW	GLENVIEW	205	1338	237	1575	4479	1283	RESERVE AIR TRAINING
	NAVAL HOSPITAL, G LAKES	GREAT LAKES	508	1044	285	1329	1370	85	HEALTH CARE
	NAVAL TNG CTR, G LAKES	GREAT LAKES	508	23258	1351	24609	25755	1017	RECRUIT & SKILL TRAINING

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	NAVY PUELIC WRKS CTR, G LAKES	GREAT LAKES	507	21	666	687	855	587	FACILITIES SUPPORT
INDIANA									
	NAV WEAPONS SUPPORT CTR, CRANE	CRANE	507	69	4676	4745	4950	62509	WEAPONS SYSTEM & ORDNANCE SPT
	NAVAL AVIONICS CENTER	INDIANAPOLIS	306	20	2740	2760	2760	163	AVIONICS REPAIR
	NAVAL IND RESERVE ORDNANCE PLT	MISAWAKA	507	*	*	*	*	26	MISSILE SUPPORT (C)
KENTUCKY									
	NAV ORDNANCE STA, LOUISVILLE	LOUISVILLE	507	8	2559	2567	2713	120	ORDNANCE SUPPORT
LOUISIANA									
	NAS, BELLE CHASSE	NEW ORLEANS	205	478	216	694	1536	4921	RESERVE AIR TRAINING
	NAVAL SUPPORT ACT, NEW ORLEANS	NEW ORLEANS	402	2349	1717	4066	4580	246	FLEET&SHORE ESTABLISHMENT SPT
MAINE									
	NAS, BRUNSWICK	BRUNSWICK	202	3692	450	4142	4613	8742	PATROL AIRCRAFT
	NAVAL COMM UNIT, CUTLER	EAST MACHIAS	303	143	105	248	252	2999	COMMUNICATIONS
	NAVAL INDUSTRIAL RESERVE PLANT	SOUTH BRISTOL	507	*	*	*	*	17	SONO BOUY TEST FACILITY
	NAV SECURITY GP ACT, WINTER HA	WINTER HARBOR	303	388	60	448	468	603	COMMUNICATIONS
MARYLAND									
	NAVAL SHIP R&D CTR, ANNAPOLIS	ANNAPOLIS	308	*	*	*	*	66	R&D SHIP TECHNOLOGY

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	US NAVAL ACADEMY	ANNAPOLIS	508	5662	1813	7475	7845	1747	OFFICER ACQUISITION TRAINING
	D W TAYLOR NAV SHIP R&D CTR	BETHESDA	306	36	2817	2853	3003	260	R&D-SHIP TECHNOLOGY
	NAVAL MEDICAL COMMAND-NCR	BETHESDA	508	3901	2522	6423	6609	243	HEALTH CARE
	NAVAL COMM UNIT, WASHINGTON	CHELTENHAM	303	190	246	436	677	240	COMMUNICATIONS
	BLOODSWORTH ISLAND	CROCHERON	402	*	*	*	*	6013	TARGET COMPLEX
	NAVAL IND RESERVE ORDNANCE PLT	CUMBERLAND	507	*	*	*	*	1747	R&D-PROPELLANTS (C)
	NAV ORDNANCE STA, INDIAN HEAD	INDIAN HEAD	507	605	2646	3251	3476	3401	SOLID PROPELLENTS
	CHESAPEAKE TRACKING SITE	LEXINGTON PARK	306	*	*	*	*	234	TRACKING SITE
	NAVAL AIR TEST CTR, PAX RIVER	PATUXANT RIVER	306	3285	3521	6806	9877	6594	T&E AIRCRAFT SYSTEMS
	NAV SURFACE WEAPONS CTR, WH OAK	SILVER SPRING	306	37	2024	2061	2061	733	R&D-NAVAL WEAPONS
	SOLOMONS FACILITY	SOLOMONS	306	*	*	*	*	296	TEST SITE
MASSACHUSETTS									
	NAVAL WEAPONS IND RESERVE PLT	BEDFORD	507	*	*	*	*	79	R&D-MISSILES & AIRCRAFT (C)
	NAVAL IND RESERVE ORDNANCE PLT	PITTSFIELD	507	*	*	*	*	31	PRODUCTION-MSL COMPONENTS (C)
	NAS, SOUTH WEYMOUTH	SOUTH WEYMOUTH	205	895	194	1089	2427	2248	RESERVE AIR TRAINING
MINNESOTA									
	NAVAL INDUSTRIAL RESERVE PLANT	ST PAUL	507	*	*	*	*	15	PRODUCTION-ELECTRONIC EQUIP(C)

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MISSISSIPPI									
	NAVAL OCEANOGRAPHIC OFFICE	BAY ST LOUIS	303	102	1320	1422	1679		1 NAVAL OCEANOGRAPHIC ACTIVITIES
	NAV CONST BN CTR, GULFPORT	GULFPORT	402	4582	716	5298	5990	4471	CONSTRUCTION FORCE SUPPORT
	NAVAL OLF BRAVO	KEMPER CO	508	*	*	*	*		1473 OUTLYING LANDING FIELD
	NAS, MERIDIAN	MERIDIAN	508	3195	553	3748	4232	10954	FLIGHT TRAINING
	NAVAL OLF ALPHA	NOXOBEE CO	508	*	*	*	*		1081 OUTLYING LANDING FIELD
NEVADA									
	NAS, FALLON	FALLON	202	778	260	1038	1577	57564	ATTACK AIRCRAFT TRAINING
	TARGETS B-16, 17, 19, 20	FALLON	202	*	*	*	*	83436	TARGETS
NEW HAMPSHIRE									
	PORTSMOUTH NAVAL SHIPYARD	PORTSMOUTH	507	916	8882	9798	9963	298	SHIP CONSTRUCTION & REPAIR
NEW JERSEY									
	NAVAL WEAPONS STA, EARLE	COLTS NECK	507	1482	845	2327	2617	11156	ORDNANCE SUPPORT
	NAVAL AIR ENG CTR, LAKEHURST	LAKEHURST	306	1083	2547	3630	3900	7412	AIRCRAFT LAUNCH/RECOVERY SYS
	NAVAL AIR PROPULSION CENTER	TRENTON	306	11	730	741	750		73 ENGINE T&E ACTIVITIES
NEW MEXICO									
	NAVAL ORDNANCE MSI TEST FAC	WHITE SANDS	507	92	69	161	197	95	MISSILE TEST RANGE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot	Total Pers.	Total Acreage	Major Unit-Activity-Function
NEW YORK									
	NAVAL WEAPONS IND RESERVE PLT	BETHPAGE	507	*	*	*	*	148	PRODUCTION-AIRCRAFT & PARTS(C)
	NAVAL STATION, NEW YORK	BROOKLYN	402	2404	339	2803	2832	104	FLEET&SHORE ESTABLISHMENT SPT
	NAVAL WEAPONS IND RESERVE PLT	CALVERTON	507	*	*	*	*	6048	PRODUCTION-AIRCRAFT (C)
	LAKE SENECA	DRESDEN	306	*	*	*	*	5	TEST SITE
	FISHERS ISLAND	FISHERS ISLAND	306	*	*	*	*	83	TEST SITE
	MITCHELL FIELD ANNEX	GARDEN CITY	402	*	*	*	*	45	SUPPORT ACTIVITIES
	NAVAL IND RESERVE ORDNANCE PLT	ROCHESTER	507	*	*	*	*	12	PRODUCTION-FUZES (C)
NORTH CAROLINA									
	NAVAL HOSPITAL, CAMP LEJEUNE	CAMP LEJEUNE	508	759	271	1030	1085	182	HEALTH CARE
	PALMETTO POINT	COLUMBIA	202	*	*	*	*	97	RANGE
OHIO									
	NAVAL FINANCE CTR, CLEVELAND	CLEVELAND	402	99	1440	1539	1550	36	ADMINISTRATIVE SUPPORT-FINANCE
	NAVAL WEAPONS IND RESERVE PLT	COLUMBUS	507	*	*	*	*	521	PRODUCTION-AIRCRAFT (C)
OREGON									
	NAVWPHSYSTRAFAC	FOARDMAN	202	*	*	*	*	62800	RANGE
	NAVAL FACILITY, COOS BAY	CHARLESTON	303	121	15	136	136	109	OCEANOGRAPHIC RESEARCH

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
PENNSYLVANIA									
	NAVY SHIPS PARTS CONTROL CTR	MECHANICSBURG	507	158	7579	7737	7989	824	INVENTORY CONTROL POINT
	NAV STA, PHILADELPHIA	PHILADELPHIA	402	1196	1616	2812	3271	522	FLEET&SHORE ESTABLISHMENT SPT
	NAVAL HOSPITAL, PHILADELPHIA	PHILADELPHIA	508	641	231	872	978	48	HEALTH CARE
	NAVY AVIATION SUPPLY OFFICE	PHILADELPHIA	507	122	6581	6703	6891	135	NAVAL AVIATION SUPPLY&DLA ICP
	PHILADELPHIA NAVAL SHIPYARD	PHILADELPHIA	507	1159	11418	12577	13549	904	SHIP BUILDING & REPAIR
	NAVAL AIR DEVELOPMENT CENTER	WARMINSTER	306	2895	55	2950	3519	921	AIRCRAFT TECHNOLOGY
	NAS, WILLOW GROVE	WILLOW GROVE	205	1677	559	2236	5241	967	RESERVE AIR TRAINING
RHODE ISLAND									
	NAV COHST BN CTR, DAVISVILLE	DAVISVILLE	507	33	225	258	558	1284	MAINTENANCE & STORAGE (I)
	NAV EDUCATION & TRAINING CTR	NEWPORT	508	4831	973	5804	6560	1202	OFF INDOCTRINATION & SKILL TRNG
	NAVAL HOSPITAL, NEWPORT	NEWPORT	508	456	159	615	636	41	HEALTH CARE
	NAVAL UNDERWATER SYST CTR	NEWPORT	306	140	3707	3847	4964	267	UNDERSEA WARFARE R&D
	NAVAL WAR COLLEGE	NEWPORT	508	708	233	941	1015	22	PROFESSIONAL DEVELOPMENT TRNG
SOUTH CAROLINA									
	NAVAL HOSPITAL, BEAUFORT	BEAUFORT	508	359	145	504	519	89	HEALTH CARE
	CHARLESTON NAVAL SHIPYARD	CHARLESTON	507	95	8709	8804	9098	1906	SHIP/SUB REPAIR
	FBM SUBMARINE TRAINING CENTER	CHARLESTON	508	366	16	382	382	8	SKILL TRAINING

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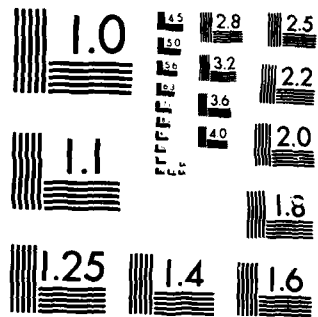
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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	FLEET AND MINE WARFARE TNG CTR	CHARLESTON	508	199	9	208	269	9	SKILL TRAINING
	NAVAL HOSPITAL, CHARLESTON	CHARLESTON	508	834	169	1003	1105	24	HEALTH CARE
	NAVAL STATION, CHARLESTON	CHARLESTON	402	531	331	862	862	902	OPERATING BASE
	NAVAL SUPPLY CTR, CHARLESTON	CHARLESTON	507	133	1506	1639	1730	194	SUPPLY SUPPORT
	NAVAL WEAPONS STA, CHARLESTON	CHARLESTON	507	7149	1469	8618	8913	17537	WEAPONS SYSTEMS SUPPORT
TENNESSEE									
	NAVAL WEAPONS IND RESERVE PLT	BRISTOL	507	*	*	*	*	105	PRODUCTION-MSL COMPONENTS (C)
	NAS, MEMPHIS	MILLINGTON	508	11219	977	12196	13578	3498	SKILL TRAINING
	NAVAL HOSPITAL, MILLINGTON	MILLINGTON	508	529	*	529	537	39	HEALTH CARE
TEXAS									
	NAS, CHASE FIELD	BEEVILLE	508	1451	446	1897	2194	7045	FLIGHT TRAINING
	NAVAL AIF GOLIAD	BEEVILLE	508	*	*	*	*	1570	AUXILIARY LANDING FIELD
	NAS, CORPUS CHRISTI	CORPUS CHRISTI	503	1652	5521	7173	7798	2718	FLIGHT TRAINING
	NAVAL AIF WALDRON	CORPUS CHRISTI	508	*	*	*	*	763	AUXILIARY LANDING FIELD
	NAVAL HOSPITAL, CORP CHRISTI	CORPUS CHRISTI	508	304	88	392	406	32	HEALTH CARE
	NAS, DALLAS	DALLAS	205	1303	468	1771	4129	795	RESERVE AIR TRAINING
	NAVAL WEAPONS IND RESERVE PLT	DALLAS	507	*	*	*	*	315	PRODUCTION-AIRCRAFT PARTS (C)
	NAS, KINGSVILLE	KINGSVILLE	508	1693	395	2088	2434	3986	FLIGHT TRAINING
	NAVAL WEAPONS IND RESERVE PLT	MCGREGOR	507	*	*	*	*	9755	PRODUCTION-ROCKET MOTORS (C)





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	NAVAL ALF CABANISS	NUECES	508	*	*	*	*	904	AUXILIARY LANDING FIELD
	NAVAL ALF ORANGE	ORANGE GROVE	508	*	*	*	*	1596	AUXILIARY LANDING FIELD
UTAH									
	NAVAL IND RESERVE ORDNANCE PLT MAGNA		507	*	*	*	*	522	PRODUCTION-MISSILE PARTS (C)
VIRGINIA									
	NAV SEC GRP ACT	CHESAPEAKE	303	616	151	767	793	358	COMMUNICATIONS
	NAVAL ALF FENTRESS	CHESAPEAKE	202	*	*	*	*	8084	AUXILIARY LANDING FIELD
	TANJIER ISLAND	CRISFIELD	202	*	*	*	*	1	RANGE
	NAVAL SURFACE WEAPONS CTR	DAHLGREN	306	204	3483	3687	4098	4321	RDT&E-ORDNANCE TECHNOLOGY
	FLEET ASW TRAINING CTR, LANT	NORFOLK	508	252	10	262	338	6	ASW TRAINING
	NAS, NORFOLK	NORFOLK	202	10830	7061	17891	19402	3327	EARLY WARNING ASW AIRCFT, NARF
	NAV MED CMD MID ATLANTIC	NORFOLK	508	244	73	317	317	15	HEALTH CARE
	NAV PUBLIC WKS CTR, NORFOLK	NORFOLK	507	13	1908	1921	1931	1054	FACILITIES SUPPORT
	NAVAL ADMIN CMD - AFSC	NORFOLK	508	456	91	547	556	30	PROFESSIONAL DEVELOPMENT TRNG
	NAVAL AMPHIB BASE, LITTLE CREEK	NORFOLK	402	8724	885	9609	11117	5800	AMPHIBIOUS WARFARE SUPPORT
	NAVAL STATION, NORFOLK	NORFOLK	402	44486	2941	47327	47869	1393	OPERATING BASE
	NAVAL SUPPLY CTR, NORFOLK	NORFOLK	507	287	4496	4783	5239	1294	SUPPLY SUPPORT
	NAVCOMM AREA MASTER STA LANT	NORFOLK	303	625	190	815	884	1474	COMMUNICATIONS
	NAVAL HOSPITAL, PORTSMOUTH	PORTSMOUTH	508	2140	606	2748	3036	110	HEALTH CARE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	NORFOLK NAVAL SHIPYARD	PORTSMOUTH	507	663	12628	13291	15781	1306	SHIP ALTERATIONS & REPAIR
	FLEET COMBAT TRAINING CTR, LANT	VIRGINIA BEACH	508	3636	524	4160	4234	1038	SPECIALIZED TRAINING
	NAS, OCEANA	VIRGINIA BEACH	202	9765	761	10526	11491	7689	FIGHTER & ATTACK AIRCRAFT
	NAVAL WEAPONS STA, YORKTOWN	YORKTOWN	507	920	2054	2974	3125	10623	ORDNANCE SUPPORT
WASHINGTON									
	NAVAL HOSPITAL, BREMERTON	BREMERTON	508	486	209	695	739	49	HEALTH CARE
	NAVAL STRATEGIC WEAPON FAC PAC	BREMERTON	306	123	381	504	878	0	ORDNANCE SUPPORT
	NAVAL SUBMARINE BASE, BANGOR	BREMERTON	402	4616	2121	6737	8974	6692	SUBMARINE BASE
	NAVAL SUPPLY CTR, PUGET SOUND	BREMERTON	507	63	867	930	953	263	SUPPLY SUPPORT
	PUGET SOUND NAVAL SHIPYARD	BREMERTON	507	253	11853	12106	12368	1393	SHIP ALTERATION & REPAIR
	NAVAL OLF COUPEVILLE	COUPEVILLE	202	*	*	*	*	664	OUTLYING LANDING FIELD
	NAV UNDERSEA WARFARE ENGP STA	KEYPORT	507	284	3193	3477	4601	4959	UNDERWATER WEAPONS SUPPORT
	NAS, WHIDBEY ISLAND	OAK HARBOR	202	7246	909	8155	10077	7534	ATTACK&ELEC WARFARE AIRCRAFT
	NAVAL RADIO STATION, JIM CREEK	OSO	303	2	39	41	41	4941	COMMUNICATIONS
	NAVAL FACILITY, PACIFIC BEACH	PACIFIC BEACH	303	116	16	132	132	53	OCEANOGRAPHIC RESEARCH
	NAVAL STATION, SEATTLE	SEATTLE	402	848	796	1644	2023	272	FLEET&SHORE ESTABLISHMENT SPT

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
GUAM									
	NAS, AGANA	AGANA, GUAM	202	1614	172	1786	1796	2430	PATROL ELEC WARFARE AIRCRAFT
	NAV COMM AREA MASTER STA, WPAC	AGANA, GUAM	303	1304	125	1429	1473	4804	COMMUNICATIONS
	NAV PUBLIC WKS CTR, GUAM	AGANA, GUAM	507	13	1486	1499	1504	2155	FACILITIES SUPPORT
	NAVAL FACILITY, GUAM	AGANA, GUAM	202	104	*	104	106	333	OCEANOGRAPHIC RESEARCH
	NAVAL HOSPITAL, GUAM	AGANA, GUAM	506	382	100	482	484	113	HEALTH CARE
	NAVAL MAGAZINE, GUAM	AGANA, GUAM	507	171	70	241	241	8842	STORAGE-AMMUNITION
	NAVAL SHIP REPAIR FAC, GUAM	AGANA, GUAM	507	108	810	918	930	185	FLEET MAINTENANCE
	NAVAL STATION, GUAM	AGANA, GUAM	402	4182	3505	7687	7888	4974	FLEET SUPPORT
	NAVAL SUPPLY DEPOT, GUAM	AGANA, GUAM	507	81	411	492	499	1586	SUPPLY SUPPORT
MIDWAY ISLANDS									
	NAVAL AIR FACILITY, MIDWAY	MIDWAY ISLAND	202	16	*	16	294	1535	FLEET SUPPORT
PUERTO RICO									
	NAVAL STATION, ROOSEVELT ROADS	ROOSEVELT RDS	202	2715	1226	3941	4677	32168	OPERATING BASE
	NAV SECURITY GRP, SAN JUAN	SABANA SECA	303	398	72	470	481	2618	COMMUNICATIONS

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
GUAM	ANDERSEN AIR FORCE BASE	AGANA, GUAM	101	4088	660	4748	4883	11083	43 STRATEGIC WING
JOHNSTON ATOLL	JOHNSTON ATOLL AFB	JOHNSTON ISLAND	106	*	*	*	19	694	COMMUNICATIONS
PUERTO RICO	PUERTO RICO IAP	SAN JUAN	205	1	264	265	961	25	AIR NATIONAL GUARD ACTIVITIES
WAKE ISLAND	WAKE ISLAND AIR FORCE BASE	WAKE ISLAND	202	1	*	1	424	2600	WEATHER-SUPPORT

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ANTIGUA									
*	NAVAL FACILITY, ANTIGUA	ANTIGUA	303	73	52	125	130	132	OCEANOGRAPHIC RESEARCH
AUSTRALIA									
*	NAV COMSTA, HAROLD E HOLT	EXMOUTH	303	84	*	84	84	18155	COMMUNICATIONS
BERMUDA									
*	NAVAL AIR STATION, BERMUDA	BERMUDA	202	1086	445	1531	1680	1426	PATROL AIRCRAFT
	NAVAL FACILITY, BERMUDA	BERMUDA	303	171	2	173	176	17	OCEANOGRAPHIC RESEARCH
	TUDOR HILL LABORATORY	BERMUDA	306	*	*	*	*	8	TEST SITE
CANADA									
*	NAVAL FACILITY, ARGENTIA	ARGENTIA, N'LAND	303	412	121	533	574	9066	OCEANOGRAPHIC RESEARCH
CUBA									
*	NAVAL STATION, GUANTANAMO BAY	GUANTANAMO BAY	202	432	*	432	502	28817	OPERATING BASE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
DIEGO GARCIA									
*	NAVAL SUPPORT FACILITY	DIEGO GARCIA	402	1558	31	1589	4332	7000	SUPPORT ACTIVITIES
GREECE									
*	NAV COMM STA, GREECE	NEA MAKRI	303	354	34	388	394	499	COMMUNICATIONS
	NAVAL SPRT ACTIVITY, SOUDA BAY	SOUDA BAY	402	164	21	185	194	101	NAVAL AIR/FLEET SUPPORT
ICELAND									
*	NAVAL STATION, KEFLAVIK	KEFLAVIK	202	3207	1013	4220	4280	23344	FLT SUPPORT/PATROL AIRCRAFT
ITALY									
*	NAVAL AIR STATION, CATANIA	CATANIA	202	2850	600	3450	3798	404	PATROL/FLEET AIRCRAFT
	NAVAL HOSPITAL, NAPLES	NAPLES	508	311	84	395	398	6	HEALTH CARE
	NAVAL SUPPORT ACTIVITY, NAPLES	NAPLES	402	2988	1070	4058	4526	161	FLEET SUPPORT
	NAVCAMS, MEDITERRANEAN	NAPLES	303	440	77	517	533	0	COMMUNICATIONS
	NAV SPT OFFICE, LA MADDALENA	SARDINIA	402	100	88	188	243	38	SUBMARINE SUPPORT

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State	Name of Installation	City	ICPP	Mil.	Civ.	Tot.	Total Pers	Total Acreage	Major Unit-Activity-Function
JAPAN									
*	NAVAL AIR FACILITY, ATSUGI	ATSUGI	202	2250	80	2330	2343	1130	RECONNAISSANCE AIRCRAFT
	NAVAL HOSPITAL, OKINAWA	CHATAN, OKINAWA	508	*	*	*	*	*	HEALTH CARE
	NAVAL COMM FAC, OKINAWA	OHNA PT, OKINAWA	303	*	*	*	*	*	COMMUNICATIONS
	NAVAL FLEET ACTIVITIES, SASEBO	SASEBO	507	1027	692	1719	2041	8400	ORDNANCE SUPPORT
	NAV COMM STA, JAPAN	YOKOSUKA	303	592	153	745	757	1167	COMMUNICATIONS
	NAV SHIP REPAIR FAC, YOKOSUKA	YOKOSUKA	507	71	58	129	138	*	FLEET MAINTENANCE
	NAVAL FLEET ACTIVITY, YOKOSUKA	YOKOSUKA	402	10024	523	10547	10604	3461	FLEET SUPPORT
	NAVAL HOSPITAL, YOKOSUKA	YOKOSUKA	508	366	162	548	548	*	HEALTH CARE
	NAVAL SUPPLY DEPOT, YOKOSUKA	YOKOSUKA	507	176	987	1163	1313	905	SUPPLY SUPPORT
	NAVY PUBLIC WKS CIR, YOKOSUKA	YOKOSUKA	507	37	1134	1171	1541	191	FACILITIES SUPPORT
PANAMA									
*	NAVAL SECURITY GP ACT, GALETA	GALETA ISLAND	303	257	35	292	316	707	COMMUNICATIONS
	NAVAL STATION, PANAMA CANAL	PANAMA CANAL	402	423	319	742	797	3193	LOGISTIC SUPPORT

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acroage	Major Unit-Activity-Function
PHILIPPINES									
*	NAV COMM STA, PHILIPPINES	SAN MIGUEL	303	535	94	629	685	4233	COMMUNICATIONS
	NAV PUBLIC WKS CTR, SUBIC BAY	SUBIC BAY	507	16	2550	2566	2765	1484	FACILITIES SUPPORT
	NAV SHIP REPAIR FAC, SUBIC BAY	SUBIC BAY	507	147	3879	4026	4026	0	FLEET MAINTENANCE
	NAVAL AIR STATION, CUBI POINT	SUBIC BAY	202	3038	678	3716	3791	*	ATTACK/ASW AIRCRAFT
	NAVAL HOSPITAL, SUBIC BAY	SUBIC BAY	508	317	195	512	512	*	HEALTH CARE
	NAVAL MAGAZINE, SUBIC BAY	SUBIC BAY	507	132	199	331	331	0	STORE/MAINTAIN ORDNANCE
	NAVAL STATION, SUBIC BAY	SUBIC BAY	402	1854	1102	2956	3475	0	OPERATING BASE
	NAVAL SUPPLY DEPOT, SUBIC BAY	SUBIC BAY	507	141	936	1077	1194	0	SUPPLY SUPPORT
SPAIN									
*	NAV COMMUNICATIONS STA, SPAIN	ROTA	303	991	79	1070	1080	159	COMMUNICATIONS
	NAVAL HOSPITAL, ROTA	ROTA	508	184	13	197	210	9	HEALTH CARE
	NAVAL STATION, ROTA	ROTA	202	3306	1387	4693	5013	6777	OPERATING/AIR BASE

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State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
UNITED KINGDOM									
*	NAVAL SECURITY GP ACT, EDZELL	EDZELL, SCOTLAND	303	764	170	934	934		457 COMMUNICATIONS
	NAVAL SUPPORT ACT, SCOTLAND	HOLY LOCH	402	51	38	89	151		15 FLEET SUPPORT
	NAVAL ACTIVITIES, U.K.	LONDON	402	961	363	1324	1460		88 FLEET, SHORE ESTAB. SUPPORT
	NAVAL COMM STA, U.K.	THURSO, SCOTLAND	303	180	59	239	242		250 COMMUNICATIONS

## CHAPTER FOUR

### AIR FORCE BASE STRUCTURE

#### I. INTRODUCTION

The Air Force Base Structure Chapter to the DOD Base Structure Report for FY 1987 is submitted in accordance with Section 138, Title 10, United States Code. Section II, Base Structure Overview, describes the criteria used by the Air Force to determine the Air Force base structure. It also includes historical data on the base structure and related manpower trends. Section III relates the needs of the major activities within each Installation Defense Planning and Programming Category (IDPPC) to the current base structure. Major changes to the FY 1987 force structure and their impact on the base structure are also described in Section III. Section IV details projected Air Force base operating costs for FY 1987. Section V summarizes recent major actions taken to reduce base operating costs and also describes some alternatives that the Air Force is pursuing in this area. Finally, Section VI consists of the listing of Air Force installations, activities and properties comprising the base structure.

The IDPPC classification system considers only the primary mission at multimission installations. At installations where more than one significant mission exists, the Air Force has subjectively determined the primary mission.

## II. BASE STRUCTURE OVERVIEW

The Air Force base posture has been carefully structured to support the assigned forces. Since forces are a dynamic element, their supporting base posture is also dynamic. As forces evolve, base requirements change and realignments in the base posture are required. The factors used to determine whether or not a base would be a suitable realignment or closure candidate vary widely from operational to physical. Ultimately, however, all base realignments must be carefully weighed against the overall mission requirements of the Air Force and future basing flexibility.

The Air Force strives to maintain an optimum base structure to support the currently assigned and projected forces. For example, as force levels were reduced during recent years the number of Air Force bases was also reduced. Other management actions, such as mission transfers to the Air Reserve Forces, have also contributed to what has been a declining number of installations. As Air Force base requirements are evaluated, the most effective installations are selected for retention based upon specific considerations and criteria.

### MAJOR CONSIDERATIONS AND CRITERIA:

In determining the effectiveness of an installation, major consideration must be given to operational and training requirements, force deployment, use of multi-mission bases and future flexibility.

These considerations have evolved into a broad set of criteria which is used by the Air Force in developing and evaluating base realignment proposals. They are: geographic location, facilities availability and condition, community services available for Air Force activities/population, potential to accommodate future force requirements, existing or future encroachment which might impact Air Force operations, budgeting considerations inherent in the proposed realignment action, possible adverse environmental impact, and mission degradation as a result of force turbulence.

Air National Guard and Air Force Reserve units must also consider demographics in making basing decisions. The local and surrounding communities must have a population base large enough to support recruiting of full and part time personnel.

These major considerations and criteria cannot be weighed independently in reaching basing decisions; rather, they have to be evaluated as a whole to achieve an optimum balance. The relationships between each of the four major considerations and the resultant criteria are discussed below.

### MAJOR CONSIDERATIONS:

Operational and Training Requirements: Since the Air Force base

posture exists to support the missions of the assigned forces, the ability of each base to meet its assigned forces' unique operational and training requirements is of paramount importance. Each force element, such as strategic offense, tactical fighter, strategic airlift, or training, places unique demands on airspace, range requirements, deployment and employment routes, availability of lines of communications, survivability and facility requirements.

The current base posture reflects a force beddown in which the forces' operational and training requirements are best supported. The entry of new weapon systems into the Air Force inventory may, however, require changes to that base posture. Threat reassessment, loss of training areas, encroachment and the like may require force realignment also. In each case, the Air Force seeks to continually optimize its base posture consistent with its overall force requirements. These requirements will be summarized in Section III under the appropriate Installation Defense Planning and Programming Category (IDPPC).

Force Deployment: The Air Force's force structure is based on national strategy. This strategy determines not only potential geographical areas in which U. S. forces would be used, but also which forces would be deployed or employed from the Continental United States (CONUS). The number and type of bases required to support these forces, both overseas and in the CONUS, directly relate to our ability to meet our strategic goals.

Use of Multi-mission Bases: A major expense of each installation is the cost of resources required to "open the door," i.e., the fixed base operating support resources such as facilities, manpower, and materials required because of the mere existence of the installation. These costs (road repair, for example) are relatively insensitive to changes in the assigned mission. Variable base operating support resources are adjusted to support requirements of the assigned missions. When missions are compatible and facilities available or obtainable, collocating two or more can often reduce costs. For example, a support mission, such as a logistics depot, may coexist with an operational unit, such as a tactical fighter wing. Additionally, missions which have a relatively small number of personnel and equipment may be most economically accommodated on bases which have major missions.

Although consolidating missions may yield economies, the Air Force must also consider the compatibility of assigned missions. Collocations which create competition for scarce resources (such as gunnery range availability) may save support dollars, but could increase operational costs or adversely affect combat readiness. Additionally, with too many minor missions assigned to any given installation, closing that installation may become quite difficult if the base's major mission is removed. In this sense, consolidating missions may actually inhibit future flexibility.

Future Flexibility: Realignment actions which result in base closures limit future flexibility to meet programmed and unprogrammed force adjustments. Consequently, bases selected for closure should generally be those with the least flexibility to absorb future requirements. If flexibility were the sole determinant, bases which have constraints such as airspace limitations, encroachment of civilian activities, limited real estate, inadequate community services and poor facilities should logically be considered for closure prior to bases which have the potential to accommodate additional or new missions.

CRITERIA: (Developed from the above major considerations)

Geographic Location: The geographic location of an installation influences the ability of assigned forces to execute their mission. Geographic factors include weather, availability of training areas, proximity to employment/deployment routes, survivability, airspace availability and transportation networks. For each mission, there are optimum geographic locations which provide maximum operational effectiveness. See Section III for additional discussion.

Facility Availability: A goal in realignment actions is maximum use of existing facilities and minimum expenditure for new facilities. Mission related facilities as well as support facilities must be considered. An operational flying activity, for example, will require a runway complex (with specific width, length, and load bearing capacity), capacity for aircraft parking, and a maintenance complex capable of supporting the assigned aircraft (e.g., proper size docks and hangars, sufficient communications-electronics and avionics maintenance space, etc.). Conversely, for administrative and headquarters activities, the proper amount of administrative space is essential. For non-flying training activities, classroom and student housing are key factors. For all actions, availability of housing (bachelor and family) for any increase in population is a significant element.

Certain unique facility requirements are generated by intelligence, communications, logistics, and research and development activities. Laboratories, facilities which must be shielded from electronic emissions, and the like are expensive and time consuming to construct. Relocation to installations which do not have facilities available to accommodate these functions may not be feasible due to the cost and time constraints. Also, due to mission requirements, these facilities must often be duplicated and operational prior to shutting down the current activity. This creates a temporary, expensive, redundant requirement for not only facilities and equipment, but manpower as well. Similar circumstances exist in relocating some flying support functions, such as aerial port facilities, which require large terminal complexes to receive and process cargo and passengers.

Facility requirements for small missions may generally be met

with only minor modifications to existing bases. This is particularly true if the unit's equipment has no special storage or maintenance requirements. Requirements for administrative space can be met in various ways, such as conversion of excess space in other functional areas; however, such action may not be cost effective and may limit future flexibility.

Additionally, the overall condition of the real property facilities at the base is an important element in the selection process. Relocating an activity to another base may be more appropriate if that activity is currently on an installation where most mission and support functions are housed in substandard and deteriorated facilities which would eventually have to be replaced even if the activity remained in place. It is generally more economical to construct a few additional facilities at a more modern base and consolidate missions rather than to replace numerous facilities and continue base operating costs at two bases.

An additional consideration is the extent a base's facilities support other activities or installations in the area. For example, if a base provides hospital, housing and other support functions for surrounding installations, it may not be possible to completely close the base. As a result, savings from the realignment may be significantly less than at a base where all activities can be shut down and facilities declared excess.

Community Service: Civilian resources (e.g., community housing, medical, schools and recreational facilities) are a consideration in developing base realignment actions. When possible, base realignment actions should take maximum advantage of existing civilian resources which can be used to support the assigned personnel. Of particular importance is family housing. Areas which have a residual capability to adequately house Air Force families not only negate the cost of providing government housing, but also facilitate rapid completion of the proposed realignment action. Conversely, areas in which community support facilities are limited place greater emphasis on the base housing and facilities. Adequate facilities, both on and off a base, are important in terms of morale. The contribution of the civilian community in this area is very important.

Potential: Since future force requirements cannot be predicted with certainty and are subject to unprogrammed changes, flexibility must be maintained within the existing base posture. This entails developing reasonable assumptions on what force changes might occur and determining how the various basing options could support these changes. Future fighter systems, for example, will have an increasing requirement for training in the supersonic regimes of flight. Closing a base with good access to supersonic flying airspace would thus be shortsighted.

Flexibility is a subjective consideration, although some instances do lend themselves to objective analysis. For example, for pilot production, capacity at each undergraduate pilot

training base can be determined. Based on the required levels of pilot production, the degree of flexibility (unused production capacity) within the system can be determined, and the system's surge capacity can be calculated. As a result, the degree of flexibility in the system can be predicted and controlled. Workload versus base capacity can be similarly determined for other training and support activities.

Unfortunately, most potential changes are not the result of clearcut workloads and are difficult to quantify. For example, the flexibility of the base system to accommodate redeployment of forward deployed tactical units to the CONUS depends on many variables. Among these are type of unit, activity levels of the unit, as well as a determination as to whether they are to be retained as active duty forces or transferred to reserve status. In these instances, the underlying assumptions are subjective. Subjectivity notwithstanding, it is important that base realignment alternatives be weighed in terms of their potential to meet unprogrammed force changes.

Encroachment: Urban and airspace encroachment into vital areas surrounding installations is of continuing concern. Some installations, which were originally built well away from population centers, have subsequently attracted major growth and, as a result, are now pressured by line of sight intrusion, noise complaints, encroachment into accident potential zones and the like. The potential for air traffic congestion must also be considered in basing programs. The increased civil and private air activity has reduced airspace available for military operations. Encroachment, therefore, is an important element in determining the continuing viability of an installation and future base realignment actions.

A program to protect installations from encroachment is in progress. Under Air Installation Compatible Use Zone (AICUZ) guidance, planning data is provided to an intergovernmental/interagency forum to reduce encroachment through comprehensive planning, zoning, real property rights, acquisitions and similar activities. However, in areas where encroachment has become a major problem, its impact must be considered in developing future plans.

Budget: High cost, single mission installations with limited real estate and outmoded, functionally inefficient facilities are prime candidates for closure. Significant annual savings may result from the closure of such bases. However, the relative cost effectiveness must be determined on a case by case basis. Consolidation of missions to allow a base closure generally results in significant annual savings. These savings are offset in part or whole, however, by the investment required in unit move funds and in facilities needed to consolidate. Initial and annual savings must be weighed against the one-time construction and relocation costs of the various options. Consolidations which minimize the investment in new facilities while maximizing the annual savings may be considered. Again, large outlays in

construction or equipment funds are generally not feasible and options which depend on such outlays are generally avoided unless no other suitable alternative exists.

Environment: All proposed major federal actions must be analyzed to determine if any of the activities associated with the action will cause a significant impact on the human environment or precipitate public controversy on environmental issues. Based upon this analysis, a "finding of no significant impact" is made or an environmental impact statement is prepared, filed with the Environmental Protection Agency, and circulated for government agency and public comment. These comments are incorporated into study documents used as an aid in decision making.

Mission Degradation: Realignment actions, by their very nature, result in turbulence both in personnel and in mission effectiveness. The degree of turbulence is a consideration if the resulting mission degradation is of such a proportion as to be significant. Certain activities cannot be allowed to "stand down" and, as a result, realignments of these activities require extraordinary measures to permit virtually instantaneous relocation. Also, work force composition is a consideration in that a highly specialized or unique work force of civilians may complicate relocation. These factors must be considered in evaluating realignment actions.

### III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

Force programming is dynamic and subject to many variables and revisions. Basing is closely tied to force posture and, thus, is also dynamic. Changes occur in response to altered assessments of the existing threat, force level and composition changes, revised deployment concepts and policies, the continuing impact of resource management efforts and national political adjustments. Each change in force posture has the potential to cause additional base adjustments in training and logistical support areas. Thus, Air Force base structure may only be defined within the context of existing circumstances. A substantial change in these circumstances, e.g., a decision to reduce overseas forces, would require adjustments in the existing CONUS base structure. Timing of the introduction or expansion of a weapon system influences base selection, as do changes in force size and deployment concepts. In addition, base requirements for USAF weapon and support systems vary greatly due to differing weapon characteristics, operational support and training requirements.

The ability to attain and maintain an operational posture which will insure national security and support legitimate international commitments continues to be a prime objective in Air Force deployment decisions. Base selection and development must not only support employment plans for major weapon systems (along with their required combat support capabilities), they must also provide for training requirements generated by those systems. This development must also consider related test and development activities, adequate personnel, logistics and communications support.

Nevertheless, the Air Force places considerable emphasis on attaining maximum economies in the base support area, thereby enabling a greater proportion of the defense dollar to be expended on direct combat capability. Therefore, review of the base structure is continually ongoing to identify for further study installations, both major and minor, whose closure might result in resource savings without impacting combat capability.

Since each mission category has its own unique operational and training requirements which dictate the Air Force base structure, each will be discussed separately. The specific bases falling into each mission category, generally referred to as the IDPPC, are listed in Section VI.

#### STRATEGIC FORCES (100)

##### Basing Requirements - Strategic Offense

In the basing of strategic offensive forces, careful consideration is given to geographic locations which maximize the survivability of the force. For example, USAF Inter-Continental Ballistic Missiles (ICBMs) require a sufficient area for adequate

dispersal of launch sites. If Soviet submarine launched missiles are postulated to be the most critical threat against our bombers and tankers, then inland bases provide the greatest survivability due to the longer flight time of the missiles. This does not imply that only inland bases should be considered for strategic offensive forces. Flying weather, airspace congestion, runway and pavements, maintenance and support facilities, and munitions storage capacity are all factors in basing decisions. A coastal bases' survivability can be enhanced through reposturing and dispersal to achieve the time needed to safely launch the force.

Other operational requirements such as targeting, ranging and bomber/tanker mating must be considered when determining force beddown locations. Lateral support supplied to other commands, tactical aircraft contingency and overseas deployment refueling requirements, is also a necessary consideration. Some overseas basing also enhances strategic operational effectiveness.

- Coming Force Structure Actions and Their Impact on Base Structure

Because of operational requirements for additional KC-135 tanker aircraft in the northern tier of the United States, the Air Force is reviewing its aerial refueling basing structure with an eye toward relocating forces and, perhaps, activating new tanker operating locations. Any changes resulting from this review would more effectively support strategic flying forces. In a related issue, the Air Force has recently completed a study addressing the shortage of KC-135 aircraft to fill programmed authorizations in the late 1980s. The study concluded that, through inactivation of an existing tanker squadron and minor realignment of assets, a balance could be attained between airframes and authorizations without jeopardizing the ability of the Air Force to meet its wartime commitments.

The Administration has committed the United States to a program of strategic force modernization, including modernization of the ICBM force. In keeping with that commitment, the Air Force is placing a total of 50 Peacekeeper missiles in Minuteman III silos at F.E. Warren AFB, WY. Further, the Air Force is in the initial development stages of producing and deploying a Small ICBM. Basing studies for this system are under way. Finally, Titan II deactivation is proceeding as planned with final phase out due in mid 1987.

Lastly, the Air Force is continuing to plan and program for the development of the Strategic Training Range Complex in the northwestern United States.

- Basing Requirements - Strategic Defense

For strategic defensive systems, factors such as enemy weapon system performance, likely targets and routes of attack are considered in basing decisions. Also considered are assessments of warning time available, speed of reaction, and the probable

time to intercept, identify and destroy the enemy vehicle. After consideration of all factors involved, a determination is made of the most effective deployment area. In general, this analysis dictates peripheral coverage of the Continental United States for both radar and interceptor aircraft basing, with forward deployed and over-the-horizon radars providing early attack warning.

- Coming Force Structure Actions and Their Impact on Base Structure

The Air Force initiative to upgrade and streamline the Air Defense force structure is continuing. The modernization effort has been primarily aimed at replacing aging F-106 and F-4Cs with modern, more capable aircraft. In 1986, the Air Force will conduct a competition to identify a follow-on air defense interceptor which will sustain the fleet into the next century.

The Air Force is moving ahead with the deployment of the Over-the-Horizon Backscatter radar system. Construction on the East Coast is nearly complete and locations have been selected for the West Coast system. Planning is underway for the Central and Alaskan radars. The Air Force is also expanding the Pave Paws radar system with Southeast and Southwest sites and thereby providing increased warning of Sea Launched Ballistic Missiles.

GENERAL PURPOSE FORCES (200)

- Basing Requirements - Tactical

The nature of the tactical mission and its inherent equipment complexity requires considerable training facilities in the CONUS. Accessibility of weapons ranges, proximity to training airspace (to include supersonic capability) and suitable weather to conduct the large volume of training are necessary. CONUS units conduct initial weapon system training for all US Tactical Air Forces and also provide a ready source of deployable forces for contingency response. This world-wide deployment tasking places some additional constraint on basing posture since forces should be conveniently aligned to airlift and tanker support. In addition, tactical forces which directly support the Army, such as tactical air control units, should be located as close as possible to support peacetime Army training requirements.

Tactical forces overseas are based according to strategic, tactical, and security policy considerations in addition to the usual CONUS basing criteria. Each base must be capable of efficient peacetime operation and be prepared to meet the mission requirements it is tasked to conduct in combat or contingency situations. Each type of mission has its own peculiar basing requirements according to current strategies and contingency plans. The need for combat dispersal must be considered along with a requirement to receive forces from the CONUS in time of crisis. The overseas base structure must maintain a capability to respond to changing tactical and strategic situations. The overseas base structure requires cooperation of host governments,

hence basing requirements must be set in the context of international security policy.

- Coming Force Structure Actions and Their Impact on Base Structure

The Air Force will continue to modernize the fighter force as it brings additional F-15 and F-16 aircraft into the inventory. A large part of this effort will be aimed at the Air Reserve Forces where increasing numbers of older F-4C aircraft will be retired and replaced with F-4Es and F-16s. As a part of this overall effort, the Air National Guard will be given a dedicated training capability in the F-16 for the first time.

Overseas actions will include the modernization of theater forces as well as the introduction of the EC-130 aircraft to Europe and E-3 AWACS aircraft to Alaska.

- Basing Requirements - Mobility

Beddown locations for airlift units are normally determined by wartime tasking, peacetime operations and training requirements.

Units primarily tasked to support intertheater airlift are normally located along the east and west coasts of the United States and in proximity to major transportation hubs. This basing strategy maximizes efficient use of available airlift assets and expedites unit and cargo movement through the DOD transportation system. Forces primarily tasked to support intratheater airlift requirements and close support of combat forces are located in proximity to the units or types of forces they will support. These airlift units also require extensive training areas for low level flying and restricted airspace for practicing airdrop delivery of paratroopers and equipment. Collocating airlift with supported units enhances integration and builds cohesiveness.

- Coming Force Structure Actions and Their Impact on Base Structure

Airlift force structure changes are designed to modernize and realign the force and to expand the role of the Air Reserve Forces in the airlift mission. Air National Guard and Air Force Reserve units will continue to receive C-5A and C-141B aircraft from the active forces, thus expanding their role in intertheater airlift, while a number of C-130A units will be modernized with C-130E and C-130H aircraft.

Modernization of active duty C-5 units is continuing with the delivery of the C-5B aircraft. The special airlift mission will be similarly modernized by the introduction of C-20 aircraft to replace the older C-140.

Special operations forces will be strengthened by the

introduction of additional HH-53 Pave Low helicopters to the inventory.

#### AUXILIARY FORCES (300)

##### - Basing Requirements

The Air Force Systems Command (AFSC) is responsible for the research, development, production and procurement actions necessary to acquire aerospace weapon systems and support systems essential to the Air Force mission. The command delivers complete, and operable systems to using commands such as Strategic Air Command, Tactical Air Command and Military Airlift Command. To accomplish its mission, AFSC must have extensive test facility complexes for aircraft, missiles and associated components. These complexes require runways, large areas of restricted airspace, numerous range and tracking facilities, and access to environmental testing facilities. Facilities for administration of test programs and the correlation of basic and applied research during weapons development are also required.

The mission of Air Force Communications Command (AFCC) is to provide the Air Force and the Department of Defense with service in communications, data automation, electronic and engineering installation, and air traffic control. For this tasking, AFCC requires facilities which permit ready access with related commercial facilities. Other locations in relatively remote areas act as communications links.

##### - Coming Force Structure Actions and Their Impact on Base Structure

Data automation and communications technologies are rapidly converging fields. The Air Force has recognized the need to initiate organizational changes to effectively manage the capabilities this convergence is offering. Hq AFCC has taken actions to integrate its traditionally separated data automation and communications/electronics functions into a consolidated information systems mission. To implement this new approach, the Air Force will form Informations Systems (SI) staffs at several Major Command Headquarters. These staffs will provide information systems support directly to the MAJCOM commanders.

#### MISSION SUPPORT FORCES (400)

##### - Basing Requirements

Extensive facilities are required for mission support functions to properly sustain Air Force mission equipment and personnel. For example, medium range aircraft require refueling stops on transoceanic flights. These installations must have runways of sufficient length and weight bearing capacities to support the transient aircraft and must have adequate billeting and other services available for transient personnel.

- Coming Force Structure Actions and Their Impact on Base Structure

There are no major force structure changes.

CENTRAL SUPPORT FORCES (500)

- Basing Requirements

The mission of the Air Force Logistics Command (AFLC) is to provide responsive, effective and economical support to meet the wide variety of missions assigned to the United States Air Force. To accomplish these tasks effectively, logistic support installations must be adjacent to transportation network terminals and facilities to enable rapid support. Extensive warehousing, open storage and aircraft maintenance facilities, plus facilities for automated requisitioning, procurement, and associated data storage activities are essential.

Air Training Command requires the availability of extensive classroom, library and study facilities. Secure training facilities are required when training is being conducted on classified systems. Extensive medical facilities are required at bases where a primary function is medical support.

The location of flying activities within areas of favorable flying weather and adjacent to unrestricted areas of airspace is essential for undergraduate pilot training (UPT) bases. Three parallel runways are highly desirable for main training bases, with auxiliary fields within a short distance from the main base.

- Coming Force Structure Actions and Their Impact on Base Structure

The Air Force will consolidate all intelligence training at Goodfellow AFB, TX beginning in 1987. This action will promote realistic training and support multifunctional intelligence and operational systems.

#### IV. BASE OPERATING COSTS FOR FY 87

A summary of the estimated FY 1987 cost (\$ million) for Air Force Base Operating Support follows.

Base operating costs identified in this section are not limited to those major installations described in Section VI, but include all Air Force property included in the real property inventory.

Base operating costs as defined here include military family housing and military construction costs as well as the recurring operating costs such as utilities, facilities maintenance and other support activities. Users are cautioned that military family housing and military construction costs vary among bases for different reasons than do the recurring costs included here. Therefore, base operating costs, defined as these are, would not be suitable for comparisons among bases.

Additional details related to Air Force management of base operating support functions can be obtained from the Air Force study entitled, Air Force Management of Base Operating Support Functions. This study describes the relationship of Air Force base operating support functions to the Air Force combat capability and outlines how the Air Force is organized to conduct base operating support activities.

TABLE XI

MAJOR DEFENSE PROGRAMS  
AIR FORCE BASE OPERATIONS  
SUPPORT COSTS (\$MILLIONS)

<u>MAJOR DEFENSE PROGRAMS</u>	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	2,155.1	36.3	34.6	2,226.0
General Purpose (02)	1,416.4	.1	2,036.4	3,452.9
Intell. & Comm. (03)	66.5	--	61.1	127.6
Air/Sealift (04)	955.9	--	42.7	998.6
Guard & Reserve (05)	487.5	.5	--	488.0
Research & Develop (06)	359.4	--	--	359.4
Cent. Supply & Maint. (07)	963.4	--	7.0	970.4
Trng. Med, & Other Personnel (08)	971.3	2.1	30.2	1,003.6
Admin. & Assoc. (09)	82.9	--	--	82.9
Spt. of Other Nations (10)	--	--	--	--
Total	7,458.4	39.0	2,212.0	9,709.4
Construction	1,223.4	--	549.8	1,773.2
Family Housing Operations and Maintenance	520.6	--	332.9	853.5
Total	9,202.4	39.0	3,094.7	12,336.1

## V. ACTIONS TO ENHANCE EFFICIENCIES AND REDUCE COSTS

The Air Force continues an active program to promote management efficiencies and to consolidate and eliminate missions and activities in order to reduce base operations costs.

1. The Air Force has signed a joint procurement agreement with the Federal Aviation Administration (FAA) to purchase three-dimensional radar replacements for Joint Surveillance System (JSS) sites, beginning in 1989. This 3-D Radar Replacement Program will enable the Air Force to transfer ownership of 9 military-only JSS sites to the FAA resulting in savings of 1017 manpower spaces and a cost avoidance of \$35 million. While waiting for implementation of this program, the Air Force is pursuing other cost-savings measures. A minimally-attended, contract-maintained FPS-117 radar was installed at Gibbsboro AFS, NJ in January 1985, which allowed reallocation of 85 manpower spaces. Additionally, the JSS site at North Truro AFS, MA was transferred to the FAA in July 1985, resulting in another 85 manpower spaces available for reallocation. The Air Force has requested that the FAA investigate the feasibility of assuming ownership of other military radar sites prior to installation of the 3-D replacement in 1989.
2. The Defense Relocation Account is a program, in which the Air Force actively participates, designed to save defense dollars through consolidation/relocation of missions or functions. One project has been approved by OSD for FY 87 which will add approximately \$2.25 million to the FY 87 President's Budget for Congressional approval. That project involves construction of an administrative facility for headquarters Air Force Management Engineering Agency at Randolph AFB, TX. There is an anticipated 4.5 year payback period.
3. As an active participant in the OASD(A&L)I Model Installation Program (MIP), the Air Force is now trying new, innovative base management techniques at 10 Air Force bases. Goals of the test program include decentralizing authority in order to increase efficiency of base support services and to upgrade living and working conditions of Air Force people. Success of the first year's operation prompted an expansion in both the size and scope of the program. Five new installations, including one overseas, have been added to the original five. Also, the MIP has spawned similar programs in the Air National Guard, at the Air Logistics Center and within several major commands.
4. Under the auspices of the Commercial Activities Program, the Air Force is continually performing cost comparisons to identify the most economical method for accomplishing various Air Force workloads. During FY 85, the Air Force completed 56 full cost comparisons which resulted in contract awards in 25 cases. An additional 22 activities were converted to contract as a result of modified cost comparisons while five

activities qualified for direct contract conversion. The Air Force currently has over 400 activities under consideration for contracting, totaling nearly 11,000 manpower authorizations.

5. The Air Force has been an active participant in the Defense Regional Interservice Support (DRIS) program. This program is designed to promote interservice, interdepartmental and interagency support within the Department of Defense and among participating Executive Agencies. It also seeks to improve effectiveness and economy in operations by eliminating duplicate support services where that can be done without jeopardizing mission accomplishment. The Air Force has 15 active Joint Interservice Resource Study Groups (JIRSG) world-wide which conduct studies of support functions within their geographical areas to determine if interservice support can be expanded, duplicate functions eliminated, or support services improved. The JIRSGs are also tasked by OSD to interface with A-76 Commercial Activities managers, Model Installation Programs and Peer Competition representatives to share information and good ideas so as to provide base services more effectively and at less cost to DOD.

SECTION VI  
AIR FORCE BASE STRUCTURE

TABLE XII

## SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
STRATEGIC (101)	89	1	3	93
INTELLIGENCE AND COMMUNICATIONS (103)			1	1
GUARD AND RESERVE (105)	12			12
RESEARCH AND DEVELOPMENT (108)	8	1		7
GENERAL PURPOSE (202)	48	1	41	88
AIRLIFT/SEALIFT FORCES (204)	17		2	19
GUARD AND RESERVE (205)	111	1		112
INTELLIGENCE AND COMMUNICATIONS (303)	4		3	7
RESEARCH AND DEVELOPMENT (308)	29			29
CENTRAL SUPPLY AND MAINTENANCE (EASTERN TEST RANGE) (307)	3			3
STRATEGIC (401)	1			1
GENERAL PURPOSE (402)	5		5	10
CENTRAL SUPPLY AND MAINTENANCE (507)	34		1	35
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	29			29
ADMINISTRATION AND ASSOCIATED ACTIVITIES (509)	2			2
<b>TOTAL AIR FORCE</b>	<b>388</b>	<b>4</b>	<b>56</b>	<b>448</b>

Note: Summary excludes 5 DoD Agency installations in the 50 States which are included in the Air Force list.

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AIR FORCE BASE STRUCTURE

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United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ALABAMA									
	BIRMINGHAM MUNICIPAL AIRPORT	BIRMINGHAM	205	4	354	358	1354	81	AIR NATIONAL GUARD ACTIVITIES
	HALL ANG STATION	DO THAN	205	4	45	49	201	17	AIR NATIONAL GUARD ACTIVITIES
	MARTIN ANG STATION	GADSDEN	205	4	36	40	205	7	AIR NATIONAL GUARD ACTIVITIES
	DANNELLY FIELD	MONTGOMERY	205	4	349	353	1233	53	AIR NATIONAL GUARD ACTIVITIES
	GUNTER AFS	MONTGOMERY	508	1357	956	2315	2417	392	AF DATA SYSTEMS DESIGN CENTER
	HUNTER LOOP COMM FAC ANNEX	MONTGOMERY	508	*	*	*	*	37	COMMUNICATIONS
	MAXWELL AFB	MONTGOMERY	508	2391	1707	4098	5076	3876	AIR UNIVERSITY
	MAXWELL COMM ANNEX	MONTGOMERY	303	*	*	*	*	6	COMMUNICATIONS
ALASKA									
	ANCHORAGE TAP ADMIN ANNEX	ANCHORAGE	101	5	*	5	5	285	GENERAL SUPPORT ANNEX
	ELMENDORF AFB	ANCHORAGE	101	6254	1431	7685	8017	13128	21 COMPOSITE WING
	KULIS ANG BASE	ANCHORAGE	105	1	368	369	965	101	AIR NATIONAL GUARD ACTIVITIES
	CLEAR MISSILE EARLY WARNING ST	ANDERSON	101	121	68	189	472	34638	ELECTRONICS SITE
	ALAITD ISLAND ANNEX	ATKA	306	*	*	*	*	1	GENERAL SUPPORT ANNEX
	ATTU RESEARCH SITE	ATKA	308	*	*	*	*	3	R&D ACTIVITIES
	SHELIYA AFB	ATKA	303	624	27	651	692	3520	6 STRATEGIC WING, DET 1
	GOLD BAY AIR FORCE STATION	GOLD BAY	101	*	*	*	12	198	ELECTRONICS SITE
	MURPHY DOME AIR FORCE STATION	COLLEGE	101	*	*	*	8	1136	ELECTRONICS SITE

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AIR FORCE BASE STRUCTURE

Page 2

United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	BARTER ISLAND DEW STATION	FAIRBANKS	101	1	*	1	103	4353	ELECTRONICS SITE
	BLAIR LAKE WRG	FAIRBANKS	101	*	*	*	*	33964	RANGE
	CHENA RIVER RESEARCH SITE	FAIRBANKS	306	*	*	*	*	4906	R&D ACTIVITIES
	LONELY DEW STATION	FAIRBANKS	101	*	*	*	11	2830	ELECTRONICS SITE
	OLITKOK DEW STATION	FAIRBANKS	101	*	*	*	11	2325	ELECTRONICS SITE
	POINT BARROW DEW STATION	FAIRBANKS	101	*	*	*	42	268	ELECTRONICS SITE
	POINT LAY DEW STATION	FAIRBANKS	101	*	*	*	11	1442	ELECTRONICS SITE
	WAINWRIGHT DEW STATION	FAIRBANKS	101	*	*	*	11	1185	ELECTRONICS SITE
	BURNT MTN RESEARCH SITE	FORT YUKON	306	*	*	*	*	108	R&D ACTIVITIES
	FORT YUKON AIR FORCE STATION	FORT YUKON	101	*	*	*	12	328	ELECTRONICS SITE
	CAMPION AIR FORCE STATION	GALENA	101	*	*	*	3	2395	ELECTRONICS SITE
	GALENA AIRPORT	GALENA	101	310	15	325	375	173	FORWARD FIGHTER BASE
	CAPE ROMANZOF AF STATION	HOOPER BAY	101	*	*	*	16	4900	ELECTRONICS SITE
	INDIAN MTN AIR FORCE STATION	HUGHES	101	*	*	*	15	4226	ELECTRONICS SITE
	INDIAN MTN RESEARCH SITE	HUGHES	306	*	*	*	*	447	R&D ACTIVITIES
	SPARREVONN AIR FORCE STATION	ILLIAMNA	101	*	*	*	14	1179	ELECTRONICS SITE
	KENAI AIRPORT	KENAI	402	*	*	*	*	6	GENERAL SUPPORT ANNEX
	KOTZIEUF AIR FORCE STATION	LOIZELPUE	101	*	*	*	13	590	ELECTRONICS SITE
	TATALINA AIR FORCE STATION	NEGRATHI	101	*	*	*	16	4970	ELECTRONICS SITE
	KING SALMON AIRPORT	PAFNEK	101	276	20	296	347	36	FORWARD FIGHTER BASE

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	EIELSON AFB	NORTH POLE	101	3544	336	3880	4041	19798	6 STRATEGIC WING
	CAPE NEVENHAM AF STATION	PLATINUM	101	*	*	*	15	2359	ELECTRONICS SITE
	CAPE LISBURNE AF STATION	POINT HOPE	101	*	*	*	15	1125	ELECTRONICS SITE
	TIN CITY AIR FORCE STATION	WALES	101	*	*	*	15	754	ELECTRONICS SITE
ARIZONA									
	WILLIAMS AFB	CHANDLER	508	2642	708	3350	3921	4736	82 FLYING TRAINING WING
	COOLIDGE/FLORENCE AIRPORT	COOLIDGE	508	*	*	*	*	5	AUXILIARY TRAINING FIELD
	GILA BEND AAF	GILA BEND	202	189	86	275	316	1886	AUXILIARY TRAINING FIELD
	LUKE VRG	GILA BEND	202	*	*	*	*	2673467	RANGE
	HOLBROOK RADAR BOMB SCORE SITE	HOLBROOK	202	*	*	*	*	8	BOMB SCORING SITE
	LUKE AFB	LITCHFIELD PARK	202	5287	960	6247	6873	4198	58 TACTICAL TRAINING WING
	PHOENIX ANG STA	PHOENIX	205	1	*	1	1	12	AIR NATIONAL GUARD ACTIVITIES
	SKY HARBOR IAP	PHOENIX	205	1	293	294	982	51	AIR NATIONAL GUARD ACTIVITIES
	RITTENHOUSE AAF	RITTENHOUSE	508	*	*	*	*	764	AUXILIARY TRAINING FIELD
	AIR FORCE PLANT 44	TUCSON	507	7	121	128	128	2174	PRODUCTION-MISSILES (C)
	DAVIS MONTHAN AFB	TUCSON	202	5246	1300	6546	6837	15199	355 TACTICAL FIGHTER WING
	TUCSON INTERNATIONAL AIRPORT	TUCSON	205	24	568	592	1531	49	AIR NATIONAL GUARD ACTIVITIES
	LUKE 61 AAF	WITTMAN	202	*	*	*	306	1109	AUXILIARY FIELD

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ARKANSAS									
	BLYTHEVILLE AFB	BLYTHEVILLE	101	2993	314	3307	3423	3736	97 BOMBARDMENT WING
	FORT SMITH MUNICIPAL AIRPORT	FORT SMITH	205	1	302	303	1061	95	AIR NATIONAL GUARD ACTIVITIES
	HOT SPRINGS MEMORIAL FIELD	HOT SPRINGS	205	1	22	23	128	12	AIR NATIONAL GUARD ACTIVITIES
	LITTLE ROCK AFB	JACKSONVILLE	204	5699	894	6593	7752	11295	314 TACTICAL AIRLIFT WING
CALIFORNIA									
	GEORGE AFB	ADELANTO	202	5529	509	6038	6307	5347	35 TACTICAL FIGHTER WING
	POINT ARENA AIR FORCE STATION	ANCHOR BAY	402	7	38	45	52	90	GENERAL SUPPORT ANNEX
	COYOTE FLATS AIR STRIP	BISHOP	306	*	*	*	*	651	HIGH ALTITUDE TEST LANDING
	KRAMER RADAR ANNEX	BORON	101	*	*	*	*	160	ELECTRONICS SITE
	COMPTON ANG STATION	COMPTON	205	*	*	*	3	1602	AIR NATIONAL GUARD ACTIVITIES
	LOS ANGELES AFS	EL SEGUNDO	306	1842	1375	3217	3733	95	SPACE & MISSILE SYSTEMS ORG
	TRAVIS AFB	FAIRFIELD	204	8452	2217	10699	14057	8165	60 MILITARY AIRLIFT WING
	MCCLELLAN STORAGE ANNEX	FOLSOM	507	*	*	*	*	52	STORAGE ANNEX
	FRESNO ANG BASE	FRESNO	105	3	375	378	1161	139	AIR NATIONAL GUARD ACTIVITIES
	PILLAR POINT AIR FORCE STATION	HALF MOON BAY	402	*	*	*	*	47	GENERAL SUPPORT ANNEX
	HAYWARD MUNICIPAL AIRPORT	HAYWARD	205	3	41	44	313	41	AIR NATIONAL GUARD ACTIVITIES
	COOPERBROOK LAKE WRG	ROBINETTE BURG	202	*	*	*	*	7504	RANGE
	ELIHOUT COBB ANNEX	ELIHOUT	507	*	*	*	*	556	COMMUNICATIONS

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	VANDENBERG AFB	LOMPOC	106	4195	1625	5820	8298	98834	SPACE & MISSILE TEST CENTER
	LOS ANGELES AF OI ANNEX	LOS ANGELES	306	3	*	3	3	4	R&D ACTIVITIES
	SAN PEDRO HILLS AFS	LOS ANGELES	101	6	1	7	7	31	ELECTRONICS SITE
	BEALE AFB	MARYSVILLE	101	4455	561	5016	5132	23252	3 STRATEGIC RECON WING
	CASTLE AFB	MERCED	101	5789	415	6204	6414	3256	93 BOMBARDMENT WING
	MILL VALLEY AFS	MILL VALLEY	101	*	*	*	*	106	666 RADAR SQUADRON
	MT LAGUNA AFS	MT LAGUNA	101	6	1	7	7	12875	1 RADAR SQUADRON
	NORTH HIGHLANDS FACILITY	N SACRAMENTO	205	4	37	41	196	9	AIR NATIONAL GUARD ACTIVITIES
	NORWALK DEF FUEL SUPPORT PT	NORWALK	507	*	*	*	*	63	POL SUPPLY SITE
	ONTARIO INTERNATIONAL AIRPORT	ONTARIO	205	1	23	24	223	39	AIR NATIONAL GUARD ACTIVITIES
	AIR FORCE PLANT 42	PALMDALE	507	1	15	16	16	5538	PRODUCTION-AIRCRAFT PARTS (C)
	MARCH COMM ANNEX	PERRIS	101	*	*	*	*	160	COMMUNICATIONS
	CAMP PARRIS COMM ANNEX	PLEASANTON	306	*	*	*	*	12	COMMUNICATIONS
	MATHER AFB	RANCHO CORDOVA	508	4359	1159	5516	6519	5934	323 FLYING TRAINING WING
	EDWARDS AFB	ROSAMOND	306	4155	2463	6618	7810	307558	AF FLIGHT TEST CENTER
	MCCLELLAN AFB	SACRAMENTO	507	3796	14031	17827	19549	3690	AIR LOGISTICS CENTER
	HORTON AFB	SAN BERNARDINO	204	6106	2885	8991	11430	2376	63 MILITARY AIRLIFT WING
	AIR FORCE PLANT 19	SAN DIEGO	507	*	*	*	*	70	PRODUCTION-AIRCRAFT PARTS (C)
	MARCH AFB	SUNNYMEAD	101	4064	1276	5340	7786	6456	22 BOMBARDMENT WING
	SUNNYVALE AIR FORCE STATION	SUNNYVALE	306	901	291	1192	1685	23	R&D ACTIVITIES

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	VAN NUYS AIRPORT	VAN NUYS	205	3	402	405	1592	62	AIR NATIONAL GUARD ACTIVITIES
COLORADO									
	BUCKLEY ANG BASE	AURORA	205	598	660	1258	2262	2365	AIR NATIONAL GUARD ACTIVITIES
	CHEYENNE MOUNTAIN COMPLEX	COLORADO SPGS	101	1498	309	1807	1994	591	COMMUNICATIONS, CMD & CONTROL
	PETERSON AFB	COLORADO SPGS	401	2093	1141	3234	4807	1796	AEROSPACE DEF CMD HQ&46 AD WG
	US AIR FORCE ACADEMY	COLORADO SPGS	508	6391	1891	8682	9402	16328	OFFICER ACQUISITION TRAINING
	LOWRY AFB	DENVER	508	4438	4179	8617	9247	5781	TECHNICAL TRAINING CENTER
	LA JUNTA RADAR BOMB SCORE SITE	LA JUNTA	101	88	1	89	89	6	BOMB SCORING SITE
	LAMAR COMMUNICATIONS FAC ANNEX	LAMAR	101	*	*	*	*	95	ELECTRONICS SITE
	MARTIN MISSILE TEST SITE 1	LITTLETON	507	*	*	*	*	464	PRODUCTION-MISSILE PARTS (C)
CONNECTICUT									
	ORANGE ANG COMMUNICATION STA	NEW HAVEN	205	1	44	45	198	30	AIR NATIONAL GUARD ACTIVITIES
	BRADLEY INTERNATIONAL AIRPORT	WINDSOR LOCKS	205	2	293	295	1001	158	AIR NATIONAL GUARD ACTIVITIES
DELAWARE									
	DOVER AFB	DOVER	204	5179	1407	6586	8299	3740	436 MILITARY AIRLIFT WING
	GREATER WILMINGTON AIRPORT	HEMPHREY	205	1	241	242	927	67	AIR NATIONAL GUARD ACTIVITIES
	PORT MACH FOL ANNEX	NEWPORT	507	*	*	*	*	5	SUPPLY SITE

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DIST OF COLUMBIA									
	BOLLING AFB	WASHINGTON	509	3322	1113	4435	4498	606	HQ USAF SUPPORT
	BOLLING COMM ANNEX	WASHINGTON	509	*	*	*	*	1	COMMUNICATIONS
FLORIDA									
	AVON PARK AAF	AVON PARK	202	*	*	*	*	5181	AUXILIARY FIELD
	AVON PARK VRG	AVON PARK	202	219	82	301	327	101029	RANGE
	JACKSONVILLE IAP	CALLAHAN	105	2	370	372	1153	158	AIR NATIONAL GUARD ACTIVITIES
	COCOA BEACH COMM ANNEX	COCOA BEACH	307	*	*	*	*	2	COMMUNICATIONS
	PATRICK AFB	COCOA BEACH	307	4105	1679	5784	7758	2342	AF EASTERN TEST RANGE
	EGLIN AAF 3	CRESTVIEW	202	307	336	643	1688	596	SPECIAL OPERATIONS GROUP
	HOMESTEAD AFB	HOMESTEAD	202	4963	1046	6009	7617	3376	31 TACTICAL FIGHTER WING
	HOMESTEAD COMM ANNEX	HOMESTEAD	202	*	*	*	*	20	COMMUNICATIONS
	HOMESTEAD TRG ANNEX	HOMESTEAD	202	*	*	*	*	3	TRAINING SITE
	LYNN HAVEN DEF FUEL SUPPORT PT	LYNN HAVEN	507	*	*	*	*	203	POL SUPPLY SITE
	EGLIN AAF 10	MILTON	202	*	*	*	*	173	AUXILIARY FIELD
	EGLIN AAF 6	MILTON	202	286	43	329	332	529	AUXILIARY FIELD
	EGLIN AAF 2	NICEVILLE	202	*	*	*	*	752	AUXILIARY FIELD
	JACKSONVILLE AFS	ORANGE PARK	101	*	*	*	*	2 679	RADAR SQUADRON
	TYDALL AFB	PANAMA CITY	101	4683	1052	5735	6004	29151	AIR DEFENSE WEAPONS CENTER

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	CUDJOE KEY AIR FORCE STATION	PERKY	101	10	*	10	10	70	ELECTRONICS SITE
	RICHMOND AFS	FERRINE	101	6	1	7	7	141	644 RADAR SQUADRON
	CAPE CANAVERAL AIR FORCE STA	PORT CANAVERAL	307	123	187	310	2362	15424	EASTERN TEST RANGE
	MACDILL AFB	TAMPA	202	5474	881	7355	7868	5768	56 TACTICAL FIGHTER WING
	EGLIN 09/HURLBURT AAF	VALPARISO	202	4071	342	4413	4609	1092	1 SPECIAL OPERATIONS WING
	EGLIN AFB	VALPARISO	306	8794	3966	12760	14445	463704	ARMAMENT DEVELOPMENT&TEST CTR
GEORGIA									
	MCCOLLUM AIG STATION	KENNESAW	205	4	46	47	242	13	AIR NATIONAL GUARD ACTIVITIES
	LEWIS B WILSON AIRPORT	MACON	205	1	19	20	152	15	AIR NATIONAL GUARD ACTIVITIES
	AIR FORCE PLANT 6	MARIETTA	507	29	174	203	203	703	PRODUCTION-AIRCRAFT PARTS (C)
	DOBBS AFB	MARIETTA	205	139	1115	1254	3102	2214	RC ACT - 94 TAW (AFR)
	SAVANNAH AG STATION	SAVANNAH	205	2	30	32	695	12	AIR NATIONAL GUARD ACTIVITIES
	SAVANNAH MUNICIPAL AIRPORT	SAVANNAH	205	1	253	254	917	231	AIR NATIONAL GUARD ACTIVITIES
	MCKITHEN AIRPORT COMM STA	ST SIMONS IS	205	1	22	23	134	6	AIR NATIONAL GUARD ACTIVITIES
	HOODY AFB	VALDOSTA	202	3403	458	3861	4025	5563	3-17 TACTICAL FIGHTER WING
	ROSTON AFB	WARNER ROBINS	507	4179	16118	20297	25587	3810	AIR LOGISTICS CENTER
IDAHO									
	HICKAM AFB	HONOLULU	402	5902	2398	8300	9716	2,579	AIRBORNE COMMAND&CONTROL SQD
	PUMMARD AIR FORCE STATION	FAIRBUD	106	*	*	*	*	33	COMMUNICATIONS

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	BARKING SANDS SUPPORT ANNEX	KEKAHA	205	1	12	13	56	2	AIR NATIONAL GUARD ACTIVITIES
	KOKEE AFS	KEKAHA	106	1	65	66	178	11	SPACE TRACKING
	PALEHUA AF SOLAR OBS RES SITE	MAHAKULI	303	10	*	10	10	6	SOLAR OBSERVATION
	KAALA AIR FORCE STATION	WAHIAWA	205	*	*	*	*	7	AIR NATIONAL GUARD ACTIVITIES
	WHEELER AFB	WAHIAWA (APOSF)	202	1116	264	1380	1551	1391	22 TACTICAL AIR SUPPORT SQD
	KAENA POINT FACILITY	WAIALUA	106	11	9	20	235	141	MISSILE TRACKING
	BELLOWS AIR FORCE STATION	WAIMANALO	106	49	2	51	51	1571	COMMUNICATIONS
	WAHIAWA COMM STATION	WHITMORE VIL	106	*	*	*	*	9	COMMUNICATIONS
IDAHO									
	BOISE AIR TERMINAL (GOWEN FLD)	BOISE	205	*	475	475	1452	457	AIR NATIONAL GUARD ACTIVITIES
	BAYLOR CREEK WRG	BRUNEAU	202	*	*	*	*	111414	RANGE
	MOUNTAIN HOME AFB	MOUNTAIN HOME	202	3884	486	4370	4675	6701	366 TACTICAL FIGHTER WING
	WILDER RADAR BOMB SCORING SITE	WILDER	202	68	*	68	68	5	BOMB SCORING SITE
ILLINOIS									
	GREATER PEORIA AIRPORT	BARTONVILLE	205	1	241	242	935	27	AIR NATIONAL GUARD ACTIVITIES
	SCOTT AFB	BELLVILLE	204	7318	3119	10437	15627	2932	3/5 AEROMEDICAL AIRLIFT WING
	CHICAGO O'HARE TAP	CHICAGO	205	*	337	337	2133	391	RC ACT - 928 TAG (AFR)
	GRANDDIE AFB	KALHOUL	508	2854	1237	4091	4388	2174	TECHNICAL TRAINING CENTER
	CAPITAL MUNICIPAL AIRPORT	SPRINGFIELD	205	2	352	354	1242	70	AIR NATIONAL GUARD ACTIVITIES

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INDIANA									
	GRISSELL AFB	BUNKER HILL	101	2618	745	3363	4941	3015	305 AIR REFUELLING WING
	FT WAYNE MUNICIPAL AIRPORT	FORT WAYNE	205	4	375	379	1240	86	AIR NATIONAL GUARD ACTIVITIES
	HULMAN FIELD	TERRE HAUTE	205	2	306	308	1085	279	AIR NATIONAL GUARD ACTIVITIES
IOWA									
	DES MOINES MUNICIPAL AIRPORT	DES MOINES	205	2	311	313	1125	113	AIR NATIONAL GUARD ACTIVITIES
	FORT DODGE FACILITY	FORT DODGE	205	1	23	24	74	8	AIR NATIONAL GUARD ACTIVITIES
	SIOUX CITY MUNICIPAL AIRPORT	SERGEANT BLUFF	205	1	269	270	959	111	AIR NATIONAL GUARD ACTIVITIES
KANSAS									
	SMOKEY HILL ANG RANGE	BROCKVILLE	205	*	25	25	73	33678	RANGE
	FORBES AIRPORT	PAULINE	205	1	291	292	960	795	AIR NATIONAL GUARD ACTIVITIES
	MCCONNELL AFB	WICHITA	101	2539	1230	3769	5093	41616	381 STRATEGIC MISSILE WING
KENTUCKY									
	STANDIFORD FIELD	LOUISVILLE	205	3	341	344	1298	65	AIR NATIONAL GUARD ACTIVITIES
	RICHMOND BOMB SCORING SITE	RICHMOND	101	76	*	76	76	2	BOMB SCORING SITE
LOUISIANA									
	ENGLEHARD AFB	ALEXANDRIA	202	3143	196	3579	3745	2409	23 TACTICAL FIGHTER WING

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	BARKSDALE AFB	BOSSIER CITY	101	6401	1137	7538	9019	73425	2 BOMBARDMENT WING
	CLAYBORNE WRG	FOREST HILL	202	*	*	*	*	25972	RANGE
	HAMMOND ANG COMM STATION	HAMMOND	205	*	24	24	139	14	AIR NATIONAL GUARD ACTIVITIES
	LAKE CHARLES AIR FORCE STATION	LAKE CHARLES	101	7	*	7	7	4	ELECTRONICS SITE
	JACKSON BARRACKS ANG STATION	NEW ORLEANS	205	*	15	15	116	4	AIR NATIONAL GUARD ACTIVITIES
	SLIDELL RADAR SITE	SLIDELL	101	1	1	2	2	1	ELECTRONICS SITE
MAINE									
	BANGOR INTERNATIONAL AIRPORT	BANGOR	105	43	337	380	1092	379	AIR NATIONAL GUARD ACTIVITIES
	L. BLOOMER BOMB SCORING SITE	CARIBOU	202	*	*	*	*	31	BOMB SCORING SITE
	LORING AFB	LIMESTONE	101	3026	540	4166	4290	11248	42 BOMBARDMENT WING
	SEARSPORT DEF FUEL SUPPORT PT	SEARSPORT	507	*	*	*	*	1266	POL SUPPLY SITE
	SOUTH PORTLAND ANG STATION	SOUTH PORTLAND	205	2	37	39	247	12	AIR NATIONAL GUARD ACTIVITIES
MARYLAND									
	GLENN L. MARTIN AIRPORT	BALTIMORE	205	2	464	466	1766	63	AIR NATIONAL GUARD ACTIVITIES
	BRANDYWHINE COMM STATION	BRANDYWHINE	204	81	1	82	89	1640	COMMUNICATIONS
	ANDREWS AFB	CAMP SPRINGS	204	7100	2663	9774	12212	7497	89 MILITARY AIRLIFT GROUP
	GOV EDGERS BRIDGE COMM STATION	LAVIDSONVILLE	204	*	*	*	*	1071	COMMUNICATIONS
	AIR FORCE PLANT 50	HALETHORPE	507	*	*	*	*	15	AIRCRAFT QUALITY EXTENSIONS (C)

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MASSACHUSETTS									
	HANSCOM AFB	BEDFORD	306	2120	2924	5044	5365	790	ELECTRONICS SYSTEMS DIV AFSC
	WESTOVER AFB	CHICOPEE	205	31	662	693	2124	3186	RC ACT - 439 TAW (AFR)
	AIR FORCE PLANT 28	EVERETT	507	*	*	*	*	49	PRODUCTION-JET ENGINES (C)
	OTIS ANG BASE	FALMOUTH	105	3	632	635	1457	5152	RESERVE COMPONENT TRAINING
	WESTOVER COMM ANNEX	GRANBY	205	*	*	*	*	100	COMMUNICATIONS
	SAGANORE HILL RESEARCH ANNEX	HAMILTON	306	*	*	*	*	32	R&D ACTIVITIES
	AIR FORCE PLANT 29	LYNN	507	*	*	*	*	18	PRODUCTION-JET ENGINES (C)
	MAYNARD RESEARCH SITE	MAYNARD	306	*	*	*	*	60	R&D ACTIVITIES
	AIR FORCE PLANT 63	NORTH GRAFTON	507	*	*	*	*	232	PRODUCTION-AIRCFT FORGINGS (C)
	NORTH TRURO AIR FORCE STATION	NORTH TRURO	101	8	6	14	23	134	ELECTRONICS SITE (RADAR)
	NORTH TRURO COMM ANNEX	NORTH TRURO	101	*	*	*	*	97	COMMUNICATIONS
	SUDBURY RESEARCH SITE	SUDBURY	306	*	*	*	*	10	R&D ACTIVITIES
	PROSPECT HILL RESEARCH SITE	WALTHAM	306	*	*	*	*	6	R&D ACTIVITIES
	WELLESLEY ANG STATION	WELLESLEY	205	*	36	36	207	7	AIR NATIONAL GUARD ACTIVITIES
	BARNES MUNICIPAL AIRPORT	WESTFIELD	205	2	269	291	1005	134	AIR NATIONAL GUARD ACTIVITIES
	WORCHESTER ANG STATION	WORCHESTER	205	2	62	64	320	8	AIR NATIONAL GUARD ACTIVITIES

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MICHIGAN									
	PHELPS COLLINS AIRPORT	ALPENA	205	*	54	54	84	3197	AIR NATIONAL GUARD ACTIVITIES
	BAYSHORE BOMB SCORING SITE	BAYSHORE	202	*	*	*	*	4	BOMB SCORING SITE
	CALUMET AFS	CENTRAL	101	78	26	104	113	103	665 RADAR SQUADRON
	K. I. SAWYER AFB	GWINN	101	3408	399	3807	3906	9225	410 BOMBARDMENT WING
	SELFRIDGE ANG BASE	MT CLEMENS	205	79	1520	1599	4151	3753	RC ACT - 191 FIG (ANG)
	WURTSMITH AFB	OSCODA	101	3240	380	3620	3716	5211	379 BOMBARDMENT WING
	PORT AUSTIN AIR FORCE STATION	PORT AUSTIN	101	74	23	97	109	54	ELECTRONICS SITE
	PORT AUSTIN COMM ANNEX	PORT AUSTIN	101	*	*	*	*	6	COMMUNICATIONS
	W K KELLOGG REGIONAL AIRFIELD	SPRINGFIELD	205	1	233	234	918	89	AIR NATIONAL GUARD ACTIVITIES
MINNESOTA									
	DULUTH ANG BASE	DULUTH	205	1	396	397	1193	152	AIR NATIONAL GUARD ACTIVITIES
	DULUTH IAP	DULUTH	101	1	*	1	1	1077	23 AIR DEFENSE DIV
	MINNEAPOLIS-ST PAUL IAP	MINNEAPOLIS	205	25	652	677	2281	301	RC ACT - 934 TAG (AFR)
MISSISSIPPI									
	KEESLER AFB	BILOXI	508	6183	2446	8609	9001	3547	TECHNICAL TRAINING CENTER
	KEESLER TNG SITE 1	BILOXI	508	*	*	*	*	57	TRAINING
	COLUMBUS AFB	COLUMBUS	508	2436	536	2972	3296	4955	14 FLYING TRAINING WING

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	ALLEN C THOMPSON FIELD	FLOOOD	205	10	248	258	917	84	AIR NATIONAL GUARD ACTIVITIES
	GULFPORT MAP ANG PERM TNG BASE	GULFPORT	205	2	77	79	288	211	AIR NATIONAL GUARD ACTIVITIES
	KEY FIELD	MERIDIAN	205	4	343	347	1316	74	AIR NATIONAL GUARD ACTIVITIES
MISSOURI									
	BELTON COMM STATION ANNEX	BELTON	303	*	*	*	*	7	COMMUNICATIONS
	ROSECRANS MEMORIAL AIRPORT	ELWOOD	205	1	262	263	873	91	AIR NATIONAL GUARD ACTIVITIES
	RICHARDS-DEBAUR AFB	GRANDVIEW	205	7	309	316	1555	2936	442 TACTICAL AIRLIFT WING(AFR)
	WHITEHAN AFB	KNOB NOSTER	101	3077	459	3536	3635	25019	351 STRATEGIC MISSILE WING
	AIR FORCE PLANT 65	NEOSHO	507	1	8	9	9	357	ENGINE OVERHAUL (C)
	LAMBERT ST LOUIS IAP ANG	ST ANN	205	37	416	453	1425	51	AIR NATIONAL GUARD ACTIVITIES
	AIR FORCE PLANT 84	ST LOUIS	507	*	*	*	*	45	PRODUCTION-AIRCRAFT (C)
	DMA AEROSPACE CTR	ST LOUIS	507	67	3888	3955	3995	66	PRODUCTION-AEROSPACE MAPS(DMA)
	JEFFERSON BARRACKS ANG STATION	ST LOUIS	205	1	56	57	347	135	AIR NATIONAL GUARD ACTIVITIES
	ST LOUIS AFS	ST LOUIS	204	62	*	62	62	11	GENERAL SUPPORT SITE
MONTANA									
	GREAT FALLS COMM FACILITY SITE	GREAT FALLS	101	*	*	*	*	17	ELECTRONICS SITE
	GREAT FALLS IAP	GREAT FALLS	205	2	360	362	1140	159	AIR NATIONAL GUARD ACTIVITIES
	MALIBU FROM AFB	GREAT FALLS	101	3680	500	4180	4308	29067	541 STRATEGIC MISSILE WING

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NEBRASKA									
	OFFUTT AFB	BELLEVUE	101	12456	1834	14290	14890	4049	55 STRATEGIC RECON WING
	OFFUTT COMM ANNEX 2	ELKHORN	101	*	*	*	*	372	COMMUNICATIONS
	HASTINGS BOMB SCORING SITE	HASTINGS	202	2	4	6	6	11	BOMB SCORING SITE
	OFFUTT COMM ANNEX 3	HOOPER	101	*	*	*	*	110	COMMUNICATIONS
	LINCOLN MUNICIPAL AIRPORT	LINCOLN	205	1	340	341	985	163	AIR NATIONAL GUARD ACTIVITIES
NEVADA									
	HAWTHORNE BOMB SCORING SITE	BABBITT	101	*	*	*	*	2	BOMB SCORING SITE
	INDIAN SPRINGS AAF	INDIAN SPRINGS	202	283	28	311	335	1692	AUXILIARY TRAINING FIELD
	NELLIS WRG	INDIAN SPRINGS	202	*	*	*	*	3001907	RANGE
	NELLIS AFB	LAS VEGAS	202	10369	1015	11404	12422	11271	474 TFW WEAPONS CTR
	NELLIS COMM ANNEX	LAS VEGAS	202	*	*	*	*	21	COMMUNICATIONS
	RENO INTERNATIONAL AIRPORT	RENO	205	2	308	310	1150	123	AIR NATIONAL GUARD ACTIVITIES
	MUD LAKE TEST ANNEX	TONOPAH	306	*	*	*	*	43	GENERAL SUPPORT SITE
	TONOPAH AFS	TONOPAH	306	*	*	*	*	4000	R&D ACTIVITIES
NEW HAMPSHIRE									
	NEW BOSTON AFS	MT VERNON	101	23	66	89	343	2873	ELECTRONICS SITE
	PEASE AFB	NEWINGTON	101	3605	705	4310	5100	4631	509 BOMBARDMENT WING

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NEW JERSEY									
	GIBBSBORO AIR FORCE STATION	GIBBSBORO	101	2	4	6	12	23	ELECTRONICS SITE
	ATLANTIC CITY AIRPORT	PLEASANTVILLE	105	1	330	331	1073	119	AIR NATIONAL GUARD ACTIVITIES
	WARREN GROVE WRG	WARREN GROVE	205	*	*	*	6	*	RANGE
	MCGUIRE AFB	WRIGHTSTOWN	204	5158	2170	7328	11348	3873	438 MILITARY AIRLIFT GROUP
NEW MEXICO									
	HOLIFMAN AFB	ALAMOGORDO	202	6772	1177	7949	8207	58187	49 TACTICAL FIGHTER WING
	AIR FORCE PLANT 83	ALBUQUERQUE	507	*	*	*	*	33	PRODUCTION-JET ENGINE PARTS(C)
	KIRTLAND AFB	ALBUQUERQUE	204	5017	3377	8394	10067	43902	1550 AIRCREW TRAINING TEST WG
	CANNON AFB	CLOVIS	202	3793	420	4213	4393	4475	27 TACTICAL FIGHTER WING
	SILVER CITY RADAR SITE	GLENWOOD	101	*	*	*	*	1	ELECTRONICS SITE
	MELROSE WRG	MELROSE	202	*	*	*	*	22087	RANGE
NEW YORK									
	AVA TEST ANNEX	AVA	306	*	1	1	1	297	TEST SITE
	AIR FORCE PLANT 49	BUFFALO	507	*	*	*	*	8	PRODUCTION-STEEL SHAPES (C)
	FOREST PORT TEST ANNEX	FOREST PORT	306	*	*	*	*	183	R&D ACTIVITIES
	GREAT BLIND BOMB SCORING SITE	GREAT BEND	202	*	*	*	*	5	BOMB SCORING SITE
	AIR FORCE PLANT 59	JOHNSON CITY	507	*	*	*	*	30	PRODUCTION-AIRCRAFT SYSTEMS(C)

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	AIR FORCE PLANT 38	LEWISTON	507	*	*	*	*	881	PRODUCTION-ROCKET ENGINES (C)
	STOCKBRIDGE TEST ANNEX	HERRILLSVILLE	306	*	*	*	*	295	TEST SITE
	STEWART IAP	NEW WINDSOR	205	*	*	*	*	1	AIR NATIONAL GUARD ACTIVITIES
	NIAGARA FALLS IAP	NIAGARA FALLS	205	4	365	369	1849	980	RC ACT - 914 TAG (AFR)
	TUMMONDS HILL TEST ANNEX	ONTARIO	306	*	*	*	*	2	R&D ACTIVITIES
	PLATTSBURGH AFB	PLATTSBURGH	101	4101	424	4525	4642	4889	380 BOMBARDMENT WING
	PLATTSBURGH COMM ANNEX	PLATTSBURGH	101	*	*	*	*	40	COMMUNICATIONS
	PLATTSBURGH TRAINING ANNEX	PLATTSBURGH	101	*	*	*	*	20	TRAINING SITE
	GRIFFISS AFB	ROME	101	4579	2916	7495	7673	5036	416 BOMBARDMENT WING
	GRIFFISS COMM ANNEX	ROME	101	*	*	*	*	4	COMMUNICATIONS
	ROSLYN ANG STATION	ROSLYN	205	2	44	46	307	50	AIR NATIONAL GUARD ACTIVITIES
	SCHENECTADY AIRPORT	SCHENECTADY	205	1	241	242	896	106	AIR NATIONAL GUARD ACTIVITIES
	HANCOCK FIELD	SYRACUSE	101	8	*	5	1001	765	21 AIR DEFENSE SAGE DIVISION
	VERONA TEST ANNEX	VERONA	306	*	7	7	7	514	TEST SITE
	QUAPER HILL TEST ANNEX	WESTERN	306	*	*	*	*	7	R&D ACTIVITIES
	SUFFOLK COUNTY AIRPORT	WESTHAMPTON BCH	105	*	244	244	780	70	AIR NATIONAL GUARD ACTIVITIES
	YOUNGSTOWN TEST SITE	YOUNGSTOWN	506	*	*	*	*	99	R&D ACTIVITIES
NORTH CAROLINA									
	BADIN ANG STATION	BADIN	205	1	22	23	127	5	AIR NATIONAL GUARD ACTIVITIES

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	DOUGLAS MUNICIPAL AIRPORT	CHARLOTTE	205	1	259	260	1007	49	AIR NATIONAL GUARD ACTIVITIES
	SEYMOUR JOHNSON AFB	GOLDSBORO	202	4426	540	4966	5209	4145	4 TACTICAL FIGHTER WING
	FORT FISHER AIR FORCE STATION	KURE BEACH	101	85	24	109	111	101	ELECTRONICS SITE (RADAR)
	FORT FISHER COMM ANNEX	KURE BEACH	101	*	*	*	*	141	COMMUNICATIONS
	POPE AFB	SPRINGLAKE	204	4463	377	4840	5084	1786	317 TACTICAL AIRLIFT WING
	DARE COUNTY WRG	STUMPY POINT	202	*	3	3	25	46652	RANGE
NORTH DAKOTA									
	BISMARCK BOMB SCORING SITE	BISMARCK	202	*	*	*	*	7	BOMB SCORING SITE
	CAVALIER AFS	CONCRETE	101	28	5	33	124	650	ELECTRONICS SITE
	GRAND FORKS AFB	EMERADO	101	4869	500	5369	5586	24484	321 STRAT MSL WG & 319 BOMB WG
	HECTOR FIELD	FARGO	105	6	362	368	1191	133	AIR NATIONAL GUARD ACTIVITIES
	FORTUNA AFS	FORTUNA	101	*	4	4	4	125	708 RADAR SQUADRON
	FORTUNA COMM ANNEX	FORTUNA	101	*	*	*	*	15	COMMUNICATIONS
	J. MOSES VA MEM HOSPITAL	MINOT	508	*	*	*	15	21	HEALTH CARE
	MINOT AFB	MINOT	101	5676	533	6209	6386	24940	91 STRAT MSL WG & 5 BOMB WG
OHIO									
	BLUE ASH ANG STATION	BLUE ASH	205	1	34	35	135	12	AIR NATIONAL GUARD ACTIVITIES
	CINCINNATI DEF FUEL SUPPORT PT	CINCINNATI	507	*	*	*	*	3	FUEL SUPPLY SITE
	AIR FORCE PLANT 47	CLEVELAND	507	*	*	*	*	20	PRODUCTION AIRCFT FORGINGS (C)

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	DEF ELECTRONICS SUPPLY CTR	DAYTON	507	31	2567	2598	2598	165	ICP (DLA)
	AIR FORCE PLANT 36	EVENDALE	507	12	165	177	177	66	PRODUCTION-JET ENGINES (C)
	WRIGHT-PATTERSON AFB	FAIRBORN	507	8494	17361	25855	28608	8511	AIR LOGISTICS COMMAND HQ
	NEWARK AIR FORCE STATION	HEATH	507	45	2572	2617	2658	56	AIR NATIONAL GUARD ACTIVITIES
	RICKENBACKER AFB	LOCKBOURNE	205	25	1088	1113	3295	4346	RESERVE COMPONENT ACTIVITIES
	MANSFIELD LAHM AIRPORT	MANSFIELD	205	1	235	236	889	53	AIR NATIONAL GUARD ACTIVITIES
	SPRINGFIELD MUNICIPAL AIRPORT	SPRINGFIELD	205	6	308	314	1172	82	AIR NATIONAL GUARD ACTIVITIES
	TOLEDO EXPRESS AIRPORT	SWANTON	205	2	272	274	978	79	AIR NATIONAL GUARD ACTIVITIES
	YOUNGSTOWN MUNICIPAL AIRPORT	VIENNA	205	2	357	359	1013	232	RC ACT - 910 TFG (AFR)
	ZANESVILLE ANG STATION	ZANESVILLE	205	*	15	15	117	30	AIR NATIONAL GUARD ACTIVITIES
OKLAHOMA									
	ALTUS AFB	ALTUS	204	4025	596	4621	4757	4300	443 MILITARY AIRLIFT TNG WG
	ALTUS TRAINING ANNEX	ELDKRAGO	204	*	*	*	*	320	TRAINING
	VAHCE AFB	ENID	508	843	113	956	2816	4202	71 FLYING TRAINING WING
	FREDERICK MUNICIPAL AIRPORT	FREDERICK	508	*	*	*	*	9	AUXILIARY AIRFIELD
	PEGHEMAN AAF	JIT	508	*	*	*	*	1134	AUXILIARY TRAINING FIELD
	OKLAHOMA CITY AFS	MIDWEST CITY	402	*	*	*	*	129	GENERAL SUPPORT ANNEX
	TINBER AFB	MIDWEST CITY	507	7636	18779	26415	31901	4277	AIR LOGISTICS CENTER
	WILL ROBERTS WORLD AIRPORT	OKLAHOMA CITY	205	2	258	260	1008	71	AIR NATIONAL GUARD ACTIVITIES

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	AIR FORCE PLANT 3	TULSA	607	*	*	*	*	332	PRODUCTION-AIRCRAFT PARTS (C)
	TULSA INTERNATIONAL AIRPORT	TULSA	205	3	282	285	1062	78	AIR NATIONAL GUARD ACTIVITIES
OREGON									
	KINGSLEY FIELD	KLAMATH FALLS	105	2	357	359	713	1087	AIR DEFENSE
	PORTLAND IAP	PORTLAND	105	15	697	712	2482	394	RC ACT -
PENNSYLVANIA									
	GREATER PITTSBURGH ANG BASE	CORAOPOLIS	205	1	502	503	1766	90	AIR NATIONAL GUARD ACTIVITIES
	GREATER PITTSBURGH IAP	CORAOPOLIS	205	23	353	376	1173	345	RC ACTIVITIES (AFR)
	HARRISBURG IAP OLMSTED FIELD	MIDDLETOWN	205	1	291	292	1144	35	AIR NATIONAL GUARD ACTIVITIES
	PHILADELPHIA IAP COMM STA ANG	PHILADELPHIA	205	34	15	49	150	3	AIR NATIONAL GUARD ACTIVITIES
	STATE COLLEGE ANG STATION	STATE COLLEGE	205	1	29	30	96	3	AIR NATIONAL GUARD ACTIVITIES
	WYOMING VALLEY ANG CTR	WYOMING	205	*	*	*	*	2	AIR NATIONAL GUARD ACTIVITIES
RHODE ISLAND									
	COVENTRY ANG STATION	COVENTRY	205	*	39	39	174	17	AIR NATIONAL GUARD ACTIVITIES
	QUONSET STATE AIRPORT	W KINGSTON	105	1	259	260	965	9	AIR NATIONAL GUARD ACTIVITIES
	NO SMITHFIELD FACILITY	SLATERSVILLE	205	*	45	45	212	10	AIR NATIONAL GUARD ACTIVITIES

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SOUTH CAROLINA									
	CHARLESTON AFB	CHARLESTON	204	4467	1580	6047	8347	6164	437 MILITARY AIRLIFT WING
	MCENTIRE ANG BASE	EASTOVER	205	4	333	337	1404	2394	AIR NATIONAL GUARD ACTIVITIES
	MYRTLE BEACH AFB	MYRTLE BEACH	202	3330	443	3773	3898	4065	354 TACTICAL FIGHTER WING
	CHARLESTON DEF FUEL SUPPORT PT II	CHARLESTON	507	*	*	*	*	56	POL SUPPLY SITE
	NORTH CHARLESTON COMM ANNEX	N CHARLESTON	204	*	*	*	*	30	COMMUNICATIONS
	NORTH AAF	NORTH	202	1	3	4	4	2392	AUXILIARY FIELD
	SHAW AFB	SUITER	202	6206	572	6778	6993	3271	363 TACTICAL RECON WING
	POLHSETT WRG	WEDGEFIELD	202	*	*	*	*	8039	RANGE
SOUTH DAKOTA									
	FILLSWORTH AFB	BOX ELDER	101	6633	589	7222	7384	286.42	44 STRAT MSL WG & 28 BOMB WG
	JUL FOSS FIELD	STOUX FALLS	205	2	267	269	972	145	AIR NATIONAL GUARD ACTIVITIES
TENNESSEE									
	ALCOA ANG STATION	ALCOA	205	1	32	33	132	12	AIR NATIONAL GUARD ACTIVITIES
	REGGIE LYSON AIRPORT	ALCOA	205	41	342	383	1185	287	AIR NATIONAL GUARD ACTIVITIES
	LOVELL FIELD	CHATTANOOGA	205	1	16	17	118	10	AIR NATIONAL GUARD ACTIVITIES
	FRANK AFS	MEMPHIS	306	159	224	382	1929	39081	ENGINE DEVELOPMENT CTR
	NASHVILLE METROPOLITAN AIRPORT	NASHVILLE	205	4	360	364	1379	66	AIR NATIONAL GUARD ACTIVITIES

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	MEMPHIS INTERNATIONAL AIRPORT	OAKVILLE	205	1	249	250	906	226	AIR NATIONAL GUARD ACTIVITIES
TEXAS									
	DYESS AFB	ABILENE	101	6103	446	6549	6710	7114	96 BOMBARDMENT WING
	ODessa RADAR SITE	ANDREWS	101	*	*	*	*	1	ELECTRONICS SITE
	BERGSTROM AFB	AUSTIN	202	4819	1211	6030	7364	3936	67 TACTICAL RECON WING
	REESE AAF	BROWNFIELD	508	*	*	*	*	520	AUXILIARY TRAINING FIELD
	CASTROVILLE MAP	CASTROVILLE	508	*	*	*	*	1	AUXILIARY FIELD
	LAUGHLIN AFB	DEL RIO	508	2543	570	3113	3334	5331	47 FLYING TRAINING WING
	CARSWELL AFB	FORT WORTH	101	5133	948	6081	7511	3264	7 BOMBARDMENT WING
	AIR FORCE PLANT 4	FT WORTH	507	31	277	308	308	515	PRODUCTION-WEAPONS SYSTEMS (C)
	GARLAND ANG BASE	GARLAND	205	4	31	35	184	4	AIR NATIONAL GUARD ACTIVITIES
	HONDO MUNICIPAL AIRPORT	HONDO	508	*	*	*	*	1	AUXILIARY TRAINING FIELD
	ELLINGTON ANG BASE	HOUSTON	105	7	467	474	1261	2281	AIR NATIONAL GUARD ACTIVITIES
	LA PORTE ANG STATION	LA PORTE	205	1	16	17	118	12	AIR NATIONAL GUARD ACTIVITIES
	REESE AFB	LUBBOCK	508	2239	602	2841	3106	3546	64 FLYING TRAINING WING
	NEDELAND ANG STATION	NEDELAND	205	1	*	1	1	9	AIR NATIONAL GUARD ACTIVITIES
	EAGLE PASS AAF	QUEHADA	508	*	*	*	*	824	AUXILIARY TRAINING FIELD
	GOLDFIELD AFB	SAN ANGELO	508	2057	407	2464	2593	1119	6940 SECURITY WING
	BROOKS AFB	SAN ANTONIO	508	1506	1118	2624	2602	1310	AEROSPACE MEDICAL DIVISION

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	KELLY AFB	SAN ANTONIO	507	1998	17903	19901	35583	4721	AIR LOGISTICS CENTER
	LACKLAND AFB	SAN ANTONIO	508	6545	1970	8515	10146	6784	USAF BASIC MILITARY SCHOOL
	SEGUIN AAF	SEGUIN	508	*	*	*	*	826	AUXILIARY TRAINING FIELD
	DYESS COMM ANNEX	TYE	101	*	*	*	*	20	COMMUNICATIONS
	RAHDOLPH AFB	UNIVERSAL CITY	508	5242	2506	7748	7900	3771	12 FLYING TRAINING WING
	SHEPPARD AFB	WICHITA FALLS	508	4010	1423	5433	7304	5256	TECHNICAL TRAINING CENTER
UTAH									
	HILL AFB	CLEARFIELD	507	4823	15152	19975	25808	5915	AIR LOGISTICS CENTER
	AIR FORCE PLANT 78	CORINNE	507	*	*	*	*	1515	PRODUCTION-MISSILES (C)
	FRANCIS PEAK ANG STATION	FARMINGTON	205	*	*	*	*	20	AIR NATIONAL GUARD ACTIVITIES
	LITTLE MOUNTAIN TEST ANNEX	OGDEN	306	1	16	17	17	745	R&D ACTIVITIES
	SALT LAKE CITY TAP	SALT LAKE CITY	205	4	341	345	1264	75	AIR NATIONAL GUARD ACTIVITIES
	HILL WRG	WENDOVER	507	11	78	89	89	351539	RANGE
	WENDOVER WRG	WENDOVER	507	*	*	*	*	572538	RANGE
VERMONT									
	BURLINGTON TAP	SO. BURLINGTON	205	2	312	314	1082	521	AIR NATIONAL GUARD ACTIVITIES
VIRGINIA									
	LANGLEY AFB	HARRISON	202	9355	1764	11119	11840	3526	1 TACTICAL FIGHTER WG & HQ TAC

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	BYRD FIELD	SANDSTON	205	1	320	321	1229	143	AIR NATIONAL GUARD ACTIVITIES
WASHINGTON									
	FAIRCHILD AFB	AIRWAY HEIGHTS	101	4321	835	5156	6040	5947	92 BOMBARDMENT WING
	WHITE BLUFF COMM ANNEX	AIRWAY HEIGHTS	101	*	*	*	*	29	COMMUNICATIONS
	BELLINGHAM MAP	BELLINGHAM	205	1	22	23	124	4	AIR NATIONAL GUARD ACTIVITIES
	FOUR LAKES COMM STATION	CHENEY	205	1	40	41	187	156	AIR NATIONAL GUARD ACTIVITIES
	PAIHE FIELD ANG STATION	EVERETT	205	1	17	18	119	15	AIR NATIONAL GUARD ACTIVITIES
	MAKAH AIR FORCE STATION	NEAH BAY	101	82	32	114	120	238	ELECTRONICS SITE (RADAR)
	SEATTLE AIR GUARD BASE	SEATTLE	205	1	22	23	132	8	AIR NATIONAL GUARD ACTIVITIES
	SPOKANE INTERNATIONAL AIRPORT	SPOKANE	205	3	35	38	204	79	AIR NATIONAL GUARD ACTIVITIES
	MCCHORD AFB	TACOMA	204	5502	1410	6912	8719	7199	62 MILITARY AIRLIFT WING
WEST VIRGINIA									
	KANAWHA COUNTY AIRPORT	CHARLESTON	205	1	239	240	898	58	AIR NATIONAL GUARD ACTIVITIES
	EASTERN WVA REGIONAL AIRPORT	MARTINSBURG	205	*	240	240	909	272	AIR NATIONAL GUARD ACTIVITIES
WISCONSIN									
	VOVK FIELD ANG BASE	CAMP DOUGLAS	205	2	58	60	92	7629	AIR NATIONAL GUARD ACTIVITIES
	TRUAC FIELD	MADISON	205	*	297	297	1000	153	AIR NATIONAL GUARD ACTIVITIES
	GEDDITY MITCHELL FIELD	MILWAUKEE	205	8	656	664	2224	101	RC ACT - 140 TAW (AFR)

DEPARTMENT OF DEFENSE  
AIR FORCE BASE STRUCTURE

United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
WYOMING									
	BOULDER RESEARCH SITE	BOULDER	306	*	*	*	*		144 R&D ACTIVITIES
	CHEYENNE MUN. AIRPORT ANG	CHEYENNE	205	3	241	244	873		46 AIR NATIONAL GUARD ACTIVITIES
	FRANCIS E. WARREN AFB	CHEYENNE	101	3952	615	4567	4647	33765	90 STRATEGIC MISSILE WING

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AIR FORCE BASE STRUCTURE

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AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDFP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
AUSTRALIA									
*	WOOMERA AIR STATION	WOOMERA	101	214	*	214	216	15	ELECTRONICS SITE
BELGIUM									
*	FLORENNES AIR BASE	FLORENNES	202	1364	200	1564	1564	*	OPERATIONAL BASE
GERMANY, FEDERAL REP OF									
*	TEMPELHOF AIRPORT	BERLIN	202	1104	764	1868	1892	3	SUPPORT ACTIVITIES
	BITBURG AIR BASE	BITBURG	202	4564	817	5381	5444	1083	36 TACTICAL FIGHTER WING
	RHEIN MAIN AIR BASE	FRANKFURT	202	4679	1193	5872	6067	808	435 TACTICAL AIRLIFT WING
	HESSISCH GROENDORF AIR STA	HESSISCH	202	592	56	648	648	27	SUPPORT ACTIVITIES
	BOERFINK MISSILE TRACK SITE	LANDSTUHL	101	249	1	250	250	5	ELECTRONICS SITE
	RAMSTEIN AIR BASE	LANDSTUHL	202	9633	3112	12745	13235	3032	86 TACTICAL FIGHTER WING
	HAHN AIR BASE	LAUTZENHAUSEN	202	5311	808	6119	6185	1233	50 TACTICAL FIGHTER WING
	SENBACH AIR BASE	SENBACH	202	3125	560	3688	3765	583	601 TACTICAL CONTROL WING
	SPANGDAHLER AIR BASE	SPANGDAHLER	202	4508	523	5131	5155	1216	52 TACTICAL FIGHTER WING
	LINDSEY AIR STATION	WIESBADEN	202	2113	453	2566	2574	30	SUPPORT ACTIVITIES
	ZUELTBRUECKEN AIR BASE	ZUELTBRUECKEN	202	2431	436	2867	2898	694	26 TACTICAL RECON WING

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AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
GREECE									
*	HELLENIKON AIR BASE	ATHENS	402	1447	379	1826	2227	172	7206 AIR BASE GROUP
	IRAKLION AIR BASE	CRETE	202	928	151	1079	1310	197	OPERATIONAL/TNG BASE
GREENLAND									
*	SONDERSTROM AIR BASE	HOLDSTEINBORG	202	99	2	101	244	462284	2004 COMMUNICATIONS SQ
	THULE AIR BASE	THULE	101	184	3	187	753	338884	ELECTRONICS SITE
ITALY									
*	SAN VITO AIR STATION	BRINDISI	303	1561	256	1817	1852	359	COMMUNICATIONS
	COMISO AIR STATION	COMISO	202	1790	217	2007	2007	379	OPERATIONAL BASE
	AVIANO AIR BASE	FORDEHONE	202	1769	463	2232	2257	961	40 TACTICAL GROUP
JAPAN									
*	MISAWA AIR BASE	MISAWA	202	5547	857	6404	6673	3927	TACTICAL/PATROL AIRCRAFT
	KADENA AIR BASE	OKINAWA CITY	202	10491	2499	12990	13648	5788	18 TACTICAL FIGHTER WING
	YOKOTA AIR BASE	TOKYO	204	4897	1831	6728	7226	1751	345 TACTICAL AIRLIFT SQUADRON

DEPARTMENT OF DEFENSE  
AIR FORCE BASE STRUCTURE

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AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
KOREA, REPUBLIC OF									
*	KUNSAN AIR BASE	KUNSAN	202	3079	394	3473	3539	2243	8 TACTICAL FIGHTER WING
	KWANG JU AIR BASE	KWANG JU	202	377	85	462	584	328	GENERAL SUPPORT ANNEX
	OSAN AIR BASE	SONGTAN	202	8624	912	9536	9771	1539	51 COMPOSITE WING
	TAEGU AIR BASE	TAEGU	202	688	128	816	989	228	497 TACTICAL FIGHTER SQ
NETHERLANDS									
*	CAMP NEW AMSTERDAM AIR BASE	SOESTERBERG	202	1651	147	1798	1840	125	32 TACTICAL FIGHTER SQUADRON
PANAMA									
*	ALBROOK AIR FORCE STATION	BALBOA	202	141	59	200	200	571	SUPPORT OF GEN. PURPOSE FORCES
	HOWARD AIR FORCE BASE	BALBOA	402	2176	602	2778	2877	14078	USAF SOUTHERN AIR DIV
PHILIPPINES									
*	CLARK AIR BASE	ANGELES	202	8850	2148	11016	11643	9082	3 TACTICAL FIGHTER WING
	CAMP O'DONNELL	O'DONNELL	202	153	296	449	449	395	TRAINING RANGE
	WALLACE AIR STATION	SAN FERNANDO	303	175	74	249	264	492	COMMUNICATIONS

DEPARTMENT OF DEFENSE  
AIR FORCE BASE STRUCTURE

Used by U. S. Forces in Foreign Areas  
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State	Name of Installation	City	AUTHORIZED MANPOWER FULL-TIME PERMANENTLY ASSIGNED				Total Pers.	Total Acreage	Major Unit-Activity-Function
			IDFP	Mil.	Civ.	Tot.			
PORTUGAL									
*	LAJES FIELD	LAJES	202	*	*	*	*	903 1605 AIR BASE WING	
SPAIN									
*	TORREJON AIR BASE	MADRID	202	4093	882	4975	5290	2010 401 TACTICAL FIGHTER WING	
	MORON AIR BASE	MORON	202	54	18	72	403	2808 GENERAL SUPPORT ANNEX	
	ZAFAGOZA AIR BASE	ZARAGOZA	202	1105	156	1261	1815	2982 406 TACTICAL FIGHTER WING	
TURKEY									
*	ANKARA AIR STATION	ANKARA	402	475	98	573	1141	133 SUPPORT ACTIVITIES	
	ANKARA CITY	ANKARA	402	*	*	*	19	8 ADMIN HQ	
	DIYARBAKIR AIR STATION	DIYARBAKIR	103	*	*	*	*	14 ELECTRONICS SITE	
	INCIRLIK AIR BASE	INCIRLIK	202	2230	257	2537	3348	3328 39 TACTICAL GROUP	
	IZMIR AIR STATION	IZMIR	402	477	66	543	896	62 SUPPORT ACTIVITIES	
	KARAMURSEL AIR STATION	KARAMURSEL	303	*	*	*	*	822 COMMUNICATIONS	

DEPARTMENT OF DEFENSE  
AIR FORCE BASE STRUCTURE

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FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
UNITED KINGDOM									
	ALCONBURY RAF BASE	ALCONBURY	202	3629	346	3975	4013	1166	10 TACTICAL RECON WING
	CROUGHTON RAF BASE	CROUGHTON	202	422	62	484	488	694	2130 COMMUNICATIONS GP
	BENTWATERS RAF BASE	EYKE	202	4673	464	5137	5207	782	81 TACTICAL FIGHTER WING
	SCULTHROPE RAF BASE	FAKENHAM	202	33	10	43	43	1503	GENERAL SUPPORT ANNEX
	HIGH WYCOMBE RAF BASE	HIGH WYCOMBE	202	125	25	150	188	15	GENERAL SUPPORT ANNEX
	LAKENHEATH RAF BASE	LAKENHEATH	202	5052	420	5472	5567	1964	48 TACTICAL FIGHTER WING
	MILDENHALL RAF BASE	MILDENHALL	204	3853	401	4254	4439	1017	513 TACTICAL AIRLIFT WING
	GREENHAM COMMON RAF BASE	NEWBURY	202	1716	146	1862	1893	1005	GENERAL SUPPORT ANNEX
	CHICKSANDS RAF BASE	SHEFFORD	202	1292	121	1413	1434	411	2112 COMMUNICATIONS GP
	FAIRFORD RAF BASE	SWINDON	202	1208	129	1337	1370	1273	TACTICAL FIGHTER SUPPORT
	UPPER HEYFORD RAF BASE	UPPER HEYFORD	202	4715	362	5077	5222	1191	20 TACTICAL FIGHTER WING
	WETHERSFIELD RAF BASE	WETHERSFIELD	507	522	41	563	564	799	GENERAL SUPPORT ANNEX
	WOODBRIDGE RAF BASE	WOODBRIDGE	202	410	1	411	412	994	78 TACTICAL FIGHTER SQUADRON

CHAPTER FIVE  
MARINE CORPS BASE STRUCTURE

I. INTRODUCTION

This Chapter presents the Marine Corps' approach to its basing structure and the relationship of that structure to the Marine Corps' tactical force structure. In addition, base operating costs are identified.

The National Security Act of 1947, as amended, prescribes the organization of the Marine Corps.

Based on that law, the Marine Corps is organized into operating forces assigned to the Fleet Marine Force; reserve forces; security forces for naval installations, ships and embassies; and a supporting establishment of operating bases, air stations, training centers, logistics, and support bases and headquarters elements.

The Marine Corps has identified no future force programs which will change the basic organization of the Marine Corps or its installation alignment.

## II. BASE STRUCTURE OVERVIEW

Marine Corps tactical forces are assigned to installations which provide suitable local and regional training opportunities and position the forces for support and responsiveness to contingency requirements.

The major Marine Corps operating forces consist of Fleet Marine Force, Atlantic (FMFLANT) and Fleet Marine Force, Pacific (FMFPAC). These forces are assigned as type commands to U.S. Atlantic and Pacific Fleets, respectively. FMFLANT provides forces for one Marine Amphibious Force (MAF) and FMFPAC provides forces for two MAFs. These MAFs have multiple tasking of a global nature and during contingencies may or may not remain in their current theater of operations.

Specifically, FMFLANT will maintain one Marine Amphibious Force (MAF) on the East Coast of the U.S. That MAF will provide up to two Marine Amphibious Units (MAUs) at all times for afloat deployments in the Atlantic, Caribbean, and Mediterranean. The East Coast MAF will rotate battalions and fixed wing squadrons to the Western Pacific.

FMFPAC will maintain two MAFs in the Pacific region. One MAF will remain forward deployed in the Western Pacific with one Marine Amphibious Brigade (MAB) from that MAF stationed in Hawaii. One MAF will remain on the West Coast of the U.S. The West Coast MAF and the 1st MAB in Hawaii rotate battalions to the Western Pacific. The MAF's in the Western Pacific and on the West Coast will continue to provide for forward afloat deployments.

The Reserve Division/Wing Team will be prepared on short notice to augment/reinforce the active structure with additional capabilities for a major war.

The three active MAFs in the FMF and the Reserve Division/Wing team will be maintained at a maximum state of readiness and deployment posture to assure a capability for rapid and effective response anywhere in the world to support the national strategy. The basic concept that links operating forces with the base structure is the essential requirement to maintain a base and logistics structure capable of:

- supporting peacetime force levels and operational commitments;
- accommodating rapid expansion to wartime force levels in the event of mobilization; and,

- maintaining a training and logistics support posture that will provide sustained support for forces committed overseas under full mobilization conditions.

Rationale for the Location of Major Activities:

1. Ground Combat Elements located at Camp Lejeune, Camp Pendleton, Camp Butler and Marine Corps Air Station Kaneohe Bay have the following specific requirements:

- a. Adequate training areas for both helicopter and over-the-beach amphibious assault training.
- b. Direct rail and highway access to ports of embarkation (with one way transit time not exceeding four hours), and across-the-beach out-load capability for all amphibious shipping.
- c. Helicopter shore facility located to afford direct embarkation of personnel, equipment and supplies aboard amphibious shipping at sea from shore based facilities.
- d. Light fixed-wing aircraft facilities, helicopter landing sites, and fixed-wing Vertical/Short Take Off and Landing (V/STOL) sites to support air-ground team training and operations.
- e. Adequate facilities for combined arms training to include impact areas for live firing of organic weapons.
- f. Remote areas with suitable beaches and undeveloped airfield sites for advance deployment training of air-ground teams.
- g. Ready access to established logistics support bases.
- h. Sea, air, and beach areas with suitable adjacent maneuver areas inland for the accomplishment of integrated Navy/Marine amphibious training and exercises.

2. Aviation Combat Elements have the following requirements:

a. Fighter and Attack Squadrons (VMFA/VMA) located at Marine Corps Air Station, Beaufort, Cherry Point, El Toro, Iwakuni, Kaneohe Bay, and Yuma.

(1) A tactical jet air base within 200 miles of a major operational/tactical base.

(2) Capability to conduct aircraft carrier qualifications within 100 miles of a suitable air installation which can be used in emergency situations such as low fuel state or fouled deck diverts.

(3) Field mirror landing practice at the field and other suitable outlying airfields within 100 miles of home base.

(4) High performance air combat maneuvering (ACM) air space free from other activity and within 100 miles of home base.

(5) Sea and air space free from other activity for safe firing of Sidewinder, Sparrow, or other air-to-air missiles currently in the inventory or those which will be introduced or tested in the foreseeable future.

(6) Instrumented weapons range, targets and control facilities free from other activity for safe firing of missile weapons systems and for special weapons delivery training.

(7) Targets and control facilities for delivery of air-to-air, and air to surface ordnance in ground, sea, and air space free from other activity and installations for accomplishment of necessary training with conventional ordnance. Targets within 100 nautical miles of home base. If located greater than 100 miles from home base, a support field with appropriate facilities will be required to support aviation unit deployments.

(8) Fixed and moving shore and seaborne targets for accomplishment of necessary all-weather training with conventional ordnance and guided stand-off weapons which are currently available or will be introduced.

(9) Ground Controlled Intercept/Marine Tactical Data System (GCI/MTDS) units located so as to promote air-to-air intercept training.

(10) Suitable air space for conduct of aerial refueling practice.

(11) Adversary aircraft support facilities for ACM training.

b. Marine Attack Helicopter/Marine Light Helicopter/Marine Medium Helicopter/Marine Heavy Helicopter/Marine Observation Squadrons (HMA/HML/HMM/HMH/VMO) located at Marine Corps Air Stations, Tustin, New River, Futenma, Kaneohe Bay and Camp Pendleton.

(1) A helicopter air station located within 40 miles of a Marine Division.

(2) High elevation, confined area, landing sites for training rotary wing pilots.

(3) Protected air space and ordnance target complexes within 50 miles of home base for training pilots and gunners.

(4) Outlying landing sites within 50 miles of home base for the conduct of syllabus training including field carrier landing practice.

(5) Facilities for all-weather training.

(6) Ready access to division training areas for combined arms and assault helicopter joint vertical training.

(7) Ready access to helicopter capable amphibious shipping (LHA/LPH) for the conduct of ship-based training and operations.

3. Requirements of the Combat Service Support Elements located at Camp Lejeune, Camp Pendleton, Camp Butler and Marine Corps Air Station, Kaneohe Bay are as follows:

(1) Access to road and rail for the shipment and receipt of supplies and equipment to support the MAF's.

(2) Storage and maintenance facilities to provide the appropriate level of support to operating forces in garrison and in preparation for deployment.

(3) Sea, air and beach areas with sufficient training area to exercise command and control, landing support operations, heavy engineer operations, tactical motor transport, field medicine as well as supply and maintenance in a field environment.

4. Marine Corps operating bases for forward deployed units in Japan and Hawaii generally meet the requirements as stated previously.

5. The Marine Corps base at Twentynine Palms, originally established as an artillery training base and aviation gunnery range, is now the Marine Corps Air Ground Combat Center (MCAGCC). Twentynine Palms' size and location permit unrestricted firing of both artillery and air delivered ordnance. The Headquarters of the 7th Marine Amphibious Brigade (MAB) and selected subordinate units are located at Twentynine Palms. Additionally, this base provides ample space for the maneuver of mobile-mechanized task forces. Ten Combined Arms Exercises are scheduled each year and are conducted by Battalion or larger size units. The Marine Corps Communication-Electronics School is also located at Twentynine Palms to take advantage of the absence of electromagnetic interference and conflicting electromagnetic transmissions.

6. The Marine Corps has two logistics support activities, one at Albany, Georgia and the other at Barstow, California. The Marine Corps logistics bases are geographically located to provide the required direct support to individual FMF's at near minimum operating and transportation costs. Both are located in areas of relatively stable labor markets where there is little competition from other government agencies or the civilian sector for the required labor skills.

7. The Marine Corps maintains two recruit depots, one at Parris Island, South Carolina and the other at San Diego, California. Generally, recruits from the Western half of the nation are trained at San Diego and those from the East are trained at Parris Island. Female recruits are trained only at Parris Island. The geographical locations of the present depots reduce the travel costs of arriving recruits and of graduating Marines.

### III. RELATIONSHIP OF BASE STRUCTURE TO FORCE STRUCTURE

The Marine Corps base structure is reflective of the mission to support its current and projected force structure levels. It is continually under review for potential mission changes, economy measures, and other relevant developments.

#### STRATEGIC FORCES (100)

Not applicable.

#### GENERAL PURPOSE FORCES (200)

The two FMF Headquarters, Fleet Marine Force, Atlantic at Camp Elmore, Norfolk, Virginia, and Fleet Marine Force, Pacific at Camp Smith, Honolulu, Hawaii, are collocated with Headquarters, Commander-in-Chief, Atlantic and Pacific respectively, for command, control, and communications efficiency.

The Marine Corps has three active Marine Amphibious Forces (MAFs). Two MAFs and a portion of the third MAF are based in the United States.

I MAF is based on the West Coast with its headquarters, and its major ground combat element, the 1st Marine Division (MARDIV), located at Camp Pendleton, California. The 3d Marine Aircraft Wing (MAW), the aviation component of I MAF, has its fixed wing aviation elements located at Marine Corps Air Station (MCAS), El Toro, California and MCAS, Yuma, Arizona. The helicopter elements of 3d MAW are located at MCAS (MCAS), Tustin, California and at Camp Pendleton. The 1st Force Service Support Group (FSSG), I MAF's logistical component, is located at Camp Pendleton with detachments located at El Toro and MCAGCC, Twentynine Palms. The Headquarters of 7th Marine Amphibious Brigade (MAB), located at Twentynine Palms, California, is designated to marry up with equipment and supplies embarked aboard the Maritime Prepositioning Ships-2. The Units that comprise the 7th MAB, are located at Twentynine Palms, Pendleton, Tustin, and El Toro, California. Also located at MCAGCC, Twentynine Palms are a reinforced infantry battalion, an artillery battalion, a tank and an LAV Battalion. An expeditionary airfield has been established to support training at the MCAGCC. Additionally, I MAF is the follow-on force in the event of a NATO/Warsaw Pact war or a conflict in the Western Pacific area.

II MAF is based on the East Coast. The 2d MARDIV, the Ground Combat Element of II MAF, is located at Camp Lejeune. Its logistic component, the 2d FSSG is located at Camp Lejeune with detachments located at Cherry Point and Beaufort. The 2d MAW, the MAF's Aviation Combat Element, has its fixed wing aviation units located at MCAS Cherry Point, North Carolina and MCAS, Beaufort South Carolina. The helicopter units are

located at MCAS New River adjacent to Camp Lejeune. The East Coast based MAF is the Marine Corps' primary force in the event of a NATO/Warsaw Pact war. The headquarters of the 6th Marine Amphibious Brigade (MAB), located at Camp Lejeune, North Carolina, is designated to marry up with equipment and supplies embarked aboard Maritime Prepositioning Ships-1 (MPS-1). The units that comprise the 6th MAB are located at Camp Lejeune, Cherry Point, and New River, North Carolina and Beaufort, South Carolina.

III MAF, consisting of ground, aviation, and logistic components, is headquartered at Camp S. D. Butler, Okinawa, Japan. Camp Butler is the collective for all Marine Corps owned camps and facilities which comprise the Marine Corps Base structure on Okinawa. The Ground Combat Element of the 3d MARDIV (reinforced) is located at Camp Butler. The logistics component, 3d FSSG, is located at Camp Butler with a detachment located at Iwakuni. The helicopter component is located at MCAS(H), Futenma, Japan. The tactical fixed wing aviation component is based at MCAS Iwakuni Japan. The forward based III MAF is immediately available for contingency operations in the Western Pacific. The 1st Marine Amphibious Brigade (MAB) may provide additional ground and aviation forces for III MAF.

The 1st MAB is stationed at MCAS, Kaneohe Bay, Hawaii and is designated to marry up with equipment on board Maritime Prepositioning Ships-3 (MPS-3). The ground component of the Brigade consists of the 3d Marine Regiment, Brigade Service Support Group, and associated support units. The aviation components of tactical fixed wing aviation and helicopters is also located at MCAS, Kaneohe Bay. The 3rd Marine Regiment of the 1st MAB rotates battalions to the Western Pacific under the Unit Deployment Program. Dependents of the deployed personnel are homebased at MCAS, Kaneohe Bay and require facilities for their support. The 1st Marine Brigade is immediately available for contingency operations throughout the Western Pacific.

AUXILIARY FORCES (300)

Not applicable.

#### MISSION SUPPORT FORCES (400)

The Marine Corps Air Ground Combat Center (MCAGCC) was formerly known as Marine Corps Base, Twentynine Palms, California and is commonly referred to as the "Combat Center". The mission of the Combat Center is to administer and conduct a combined arms program in order to exercise and evaluate participating units in the command, control, and coordination of supporting arms. This mission includes providing the training and guidance for Exercise Forces/Marine Air-Ground Task Forces (MAGTFs) in fire support planning and coordination. To achieve the necessary degree of realism in combat training, live ordnance, innovative training aids, and tactics and techniques of the real world opposition forces are used. Inherent in this mission is the requirement to examine existing doctrine critically and to use exercises to identify innovative and more efficient means of accomplishing the Fleet Marine Force (FMF) mission.

Henderson Hall is located adjacent to Headquarters Marine Corps in Arlington, Virginia. Henderson Hall provides services and support to Headquarters Marine Corps, including but not limited to, enlisted members' billeting and messing, enlisted and staff non-commissioned officer clubs, post exchange services, and recreational facilities. Henderson Hall's collocation with Headquarters Marine Corps increases the efficiency of the support services it provides.

The Marine Corps Mountain Warfare Training Center (MCMWTC) is located at Pickel Meadows in the Toiyabe National Forest, Mono County, California. The Center provides mission-oriented individual and unit training supportive of Marine Corps contingency missions on the northern flank of NATO, Southwest Asia, and Northeast Asia. The climate and terrain of MCMWTC is unique, offering high altitude, rugged mountain terrain and severe winter conditions. It is the only such location the Marine Corps has ready access to in the continental United States. Mountain and cold weather skills can only be obtained by training in the environment. In addition to mountain and cold weather skills, the training emphasizes small unit leadership, teamwork, confidence, and physical toughening which are applicable to any operational commitment.

Camp Fuji, Japan provides critical organic weapons training ranges which are becoming increasingly unavailable on Okinawa. The training area includes hand grenade, demolitions, LAAW, mortar, tank, and artillery ranges. It affords the capability for long range observed fire, tank maneuver, and full employment of the Marine tank/infantry team. It also provides a site for cold weather training. It is considered an essential training area to support the Fleet Marine Force, Pacific.

Marine Corps Auxiliary Landing Field (MCALF) Bogue is located in North Carolina between Camp Lejeune and MCAS Cherry Point. The installation has been altered to accommodate the Expeditionary Airfield (EAF) program which is the present mission of the airfield. The installation is divided into two geographical areas; a garrison area and an expeditionary area. The garrison area provides support and services for those personnel in EAF training and for EAF equipment evaluation. The expeditionary area includes the airfield pavements and is operated only within the capability of the installed EAF equipment to retain as realistic a combat environment as possible. MCALF Bogue is the only installation on the East Coast that provides training for flight and ground crews and for Marine Corps engineer and Naval Construction Battalion personnel in the installation, maintenance, use, and operation of EAF equipment.

#### CENTRAL SUPPORT FORCES (500)

The Marine Corps has logistic support bases in Albany, Georgia, and Barstow, California.

The Marine Corps maintains recruit depots at Parris Island, South Carolina and San Diego, California.

The Marine Corps Development and Education Command (MCDEC) is located at Quantico, Virginia. MCDEC provides professional education for Marine Corps officers at the intermediate and career level. MCDEC also conducts officer acquisition training for all Marine Corps officer candidates and infantry initial skill training for newly commissioned officers. Additionally, MCDEC provides communications initial skill and skill progression training for Marine Corps officers, and computer sciences initial skill training for Marine Corps officer and enlisted personnel. In addition, MCDEC develops the doctrine, tactics, techniques, and equipment employed by landing forces in

amphibious operations and exercises academic supervision over all Marine Corps formal schools. The Marine Security Guard Battalion is also located at MCDEC and is charged with the training of Marine Corps security personnel for duty with the Department of State.

Marine Corps Air Facility (MCAF), Quantico provides maintenance and support facilities for HMX-1. HMX-1 provides helicopter support for the President of the United States, the Vice President, members of the Cabinet, and foreign dignitaries. MCAF, Quantico is situated within easy supporting distance of the Capital.

INDIVIDUALS (600)

Not applicable.

IV. BASE OPERATIONS SUPPORT (BOS) COSTS FOR FY 1987

A summary of the estimated FY 1987 Base Operations Support Costs follows.

TABLE XIII  
 MAJOR DEFENSE PROGRAMS  
 MARINE CORPS BASE OPERATIONS  
 SUPPORT COSTS (\$MILLIONS)

<u>MAJOR DEFENSE PROGRAMS</u>	<u>FIFTY STATES</u>	<u>U.S. TERRITORIES AND POSSESSIONS</u>	<u>FOREIGN OVER- SEAS AREAS</u>	<u>TOTAL</u>
Strategic (01)	--	--	--	--
General Purpose (02)	470.3	--	135.1	605.4
Intell. & Comm. (03)	--	--	--	--
Air/Sealift (04)	--	--	--	--
Guard & Reserve (05)	17.5	--	--	17.5
Research & Develop (06)	--	--	--	--
Cent. Supply & Maint. (07)	73.4	--	1.7	75.1
Trng. Med, & Other Personnel (08)	108.4	--	--	108.4
Admin. & Assoc. (09)	7.2	--	--	7.2
Spt. of Other Nations (10)	--	--	--	--
Total	676.8	--	136.8	813.6
Construction	273.1	--	12.8	285.9
Family Housing Operations and Maintenance	88.5	--	3.0	91.5
Total	1,038.4	--	152.6	1,191.0

V. ACTIONS TO REDUCE ANNUAL BASE OPERATIONS COSTS

The Marine Corps continues to pursue all possible means to reduce base operations cost, including:

1. Increased maintenance of real property (MRP) funding in order to inhibit the growth in the cost for reducing the backlog of maintenance and repair (BMAR).
2. Implementation of audit findings in order to obtain recommended savings.
3. The Marine Corps is complying with the energy conservation program in the DOD and has instituted a Marine Corps energy investment program. Both of these efforts result in cost avoidance and reduced requirements in base operating costs.
4. The construction of projects under the MCON Energy Conservation Program (ECIP).
5. Continuation of the Efficiency Review Program.
6. Continuation of the Commercial Activities Program.
7. The Marine Corps Air Station (MCAS), El Toro and the Marine Corps Logistics Base (MCLB), Albany are currently participating in the Office of the Secretary of Defense sponsored three-year test of the Model Installations Program which is designed to improve management efficiency of Base Operations Support.

SECTION VI  
MARINE CORPS BASE STRUCTURE

TABLE XIV

SUMMARY OF NUMBER OF INSTALLATIONS, ACTIVITIES AND PROPERTIES

Mission Category (IDPPC)	Fifty States	U.S. Territories and Possessions	Foreign Areas	Total
GENERAL PURPOSE (202)	12		3	15
GENERAL PURPOSE (402)	8		1	9
CENTRAL SUPPLY AND MAINTENANCE (507)	2			2
TRAINING, MEDICAL AND OTHER PERSONNEL (508)	3			3
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TOTAL MARINE CORPS	25		4	29

DEPARTMENT OF DEFENSE  
MARINE CORPS BASE STRUCTURE

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United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
ARIZONA									
	MCAS, YUMA	YUMA	202	4382	391	4773	5185	2930	JET TNG & TAC AVIATION (3DAW)
CALIFORNIA									
	MC LOGISTICS BASE	BARSTOW	507	792	2282	3074	3185	5688	DEPOT MAINT/SUPPLY & STORAGE
	MC MOUNTAIN WARFARE TNG CTR	BRIDGEPORT	402	*	*	*	*	60513	COLD WEATHER/MOUNTAIN TNG
	MCAS, EL TORO	IRVINE	202	10825	1138	11963	12220	5220	HQ 3RD MAW/JET TNG/OPER SPT
	MC BASE, CAMP PENDLETON	OCEANSIDE	202	34740	1988	36728	37944	186139	FMF GRND UNITS/TRP TNG/OPER SPT
	MCAS CAMP PENDLETON	OCEANSIDE	202	*	*	*	*	343	HELO TNG/OPERATIONS
	MC AIR GD CBT CTR 29 PALMS	PALM SPRINGS	402	8151	524	8675	10145	595589	COMBINED ARMS TNG, MCCES
	MC RECRUIT DEPOT, SAN DIEGO	SAN DIEGO	508	6287	288	6575	11165	503	RECRUIT TRAINING
	MCAS, TUSTIN	TUSTIN	202	4128	40	4168	4194	1709	MAG-16/HELO TRAINING/OPERATION
DIST OF COLUMBIA									
	MARINE BARRACKS 8TH & I ST	WASHINGTON	402	1023	48	1071	1071	5	CEREMONIES/SECURITY
GEORGIA									
	MC LOGISTICS BASE	ALBANY	507	1186	2846	4032	4067	3827	DEPOT MAINT/SUPPLY & STORAGE/ICP
HAWAII									
	CAMP H. M. SMITH	HONOLULU	202	2180	38	2218	2256	420	HQ FMF PAC/HQ CINCPAC/HQ IPAC

DEPARTMENT OF DEFENSE  
MARINE CORPS BASE STRUCTURE

United States  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
	MCAS, KANEHOE BAY	KAILUA	202	10368	1083	11451	11618	39392	1ST MARBDE/JET & HELO TNG OPNS
NORTH CAROLINA									
	MCOLF, ATLANTIC	ATLANTIC	402	*	*	*	*	1469	AVIATION PROFICIENCY TRAINING
	MCAS, CHERRY POINT	HAVELOCK	202	10212	1835	12047	12609	26683	HQ 2ND MAW/JET TNG & OPNS/NARF
	MCOLF, CAMP DAVIS	HOLLY RIDGE	402	*	*	*	*	955	AVIATION PROFICIENCY TRAINING
	MC BASE, CAMP LEJEUNE	JACKSONVILLE	202	41028	2756	43784	44593	88432	FMF GRND UNITS/TRP TNG/OPN SPT
	MCAS, NEW RIVER	JACKSONVILLE	202	*	*	*	*	2773	MAG 26/TRP TNG/OPER SUPPORT
	MCOLF, DAY GROVE	POI LACKSVILLE	402	*	*	*	*	976	AVIATION PROFICIENCY TRAINING
	MCALF, BOGUE	SWANSEBORO	402	*	*	*	*	837	2ND MAW/EXPEDITION AIRFLD TNG
SOUTH CAROLINA									
	MCAS, BEAUFORT	BEAUFORT	202	3867	482	4349	4419	6676	MAG-31/JET TNG/OPN SUPPORT
	MC RECRUIT DEPOT	PARRIS ISLAND	508	6963	607	7570	12251	8081	RECRUIT TRAINING
VIRGINIA									
	CAMP ELMORE	NORFOLK	202	759	4	763	763	22	HQ FMF LANT
	MC DEV & ED CMD	QUANTICO	506	5648	1800	7448	7541	60647	OFF PROF TNG/SKILL TNG/MC INST
	HMHC HENDERSON HALL	WASHINGTON DC	402	2941	39	2980	3017	21	HQ USMC

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MARINE CORPS BASE STRUCTURE

Used by U.S. Forces in Foreign Areas  
FY 1987

AUTHORIZED MANPOWER  
FULL-TIME PERMANENTLY  
ASSIGNED

State	Name of Installation	City	IDPP	Mil.	Civ.	Tot.	Total Pers.	Total Acreage	Major Unit-Activity-Function
JAPAN									
	MARINE CORPS AIR STA, FUTENMA	FUTENMA, OKINAWA	202	2026	28	2054	2054	1188	HELICOPTER TRAINING
	MARINE CORPS BASE, CAMP BUTLER	FUTENMA, OKINAWA	202	17470	2276	19746	19746	45120	TRAINING/OPERATIONAL SUPPORT
	CAMP FUJI	GOTEMBA	402	37	*	37	37	34110	TRAINING SUPPORT
	MARINE CORPS AIR STA, IWAKUNI	IWAKUNI	202	2445	956	3401	3401	6590	JET TRAINER/OPERATIONAL SPT

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DEPARTMENT OF DEFENSE

BASE STRUCTURE STUDY

List of Abbreviations

(C) - Contractor Operated  
(I) - Inactive  
AAA - Anti Aircraft Artillery  
AAF - Auxiliary Air Field  
ACT - Activity  
AD - Air Defense  
ADMIN - Administration  
AF - Air Force  
AFB - Air Force Base  
AFP - Air Force Plant  
AFR - Air Force Reserve  
AFRC - Armed Forces Reserve Center  
AFS - Air Force Station  
AFSC - Air Force Systems Command  
AIRCFT - Aircraft  
ALF - Auxiliary Land Field  
AMMO - Ammunition  
AMPHIB - Amphibious  
ANG - Air National Guard  
ANN - Annex  
ASW - Anti Submarine Warfare  
BN - Battalion  
DOMB - Bomber Command  
CBT - Combat  
CDEC - (Army) Combat Development Experimentation Command  
CINCPAC - Commander in Chief, Pacific  
CMD - Command  
CMD - Command  
COMM - Communications  
CONST - Construction  
CTR - Center  
DEF - Defense  
DET - Detachment  
DEV - Development  
DIA - Defense Intelligence Agency  
DIST - Distribution  
DIV - Division  
DLA - Defense Logistics Agency  
DMA - Defense Mapping Agency  
E. PAC - Eastern Pacific  
ED - Education  
ELEC - Electronic  
FAC - Facility  
FIG - Fighter Interceptor Group  
FLD - Field

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BASE STRUCTURE STUDY

List of Abbreviations

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FMF	-	Fleet Marine Force
FORSCOM	-	(Army) Forces Command
FORTRPS	-	Force Troops
FSSG	-	Force Service Support Group
FWD	-	Forward
GD	-	Ground
GP	-	Group
HELO	-	Helicopter
HQ	-	Headquarters
IAP	-	International Airport
ICP	-	Inventory Control Point
IND	-	Industrial
INF	-	Infantry
INST	-	Institute
IPAC	-	Intelligence Command, Pacific
LANT	-	Atlantic
MAB	-	Marine Amphibious Brigade
MAF	-	Marine Amphibious Force
MAG	-	Marine Air Group
MAINT	-	Maintenance
MARBDE	-	Marine Brigade
MARDIV	-	Marine Division
MAU	-	Marine Amphibious Unit
MAW	-	Marine Air Wing
MAW	-	Marine Air Wing
MC	-	Marine Corps
MCAF	-	Marine Corps Air Facility
MCAGCC	-	Marine Corps Air Ground Combat Center
MCAGTC	-	Marine Corps Air/Ground Training Center
MCAS	-	Marine Corps Air Station
MCAS(H)	-	Marine Corps Air Station (Helicopter)
MCB	-	Marine Corps Base
MCCES	-	Marine Corps Communications and Electronics School
MCLB	-	Marine Corps Logistics Base
MCMWTC	-	Marine Corps Mountain Warfare Training Center
MECH	-	Mechanized
MED	-	Medical
MIL	-	Military
MISC	-	Miscellaneous
MPS	-	Maritime Prepositioning Ships
MSL	-	Missile
NAAF	-	Naval Air Rework Facility
NAS	-	Naval Air Station
NAV	-	Naval
NAVCAMS	-	Naval Communications Area Master Station

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DEPARTMENT OF DEFENSE

BASE STRUCTURE STUDY

List of Abbreviations

NSA	- National Security Agency
NSWC	- Naval Surface Weapons Center
OFF	- Officer
OLF	- Outlying Landing Field
OPER	- Operational
OPNS	- Operations
ORG	- Organization
PAC	- Pacific
PLT	- Plant
POL	- Petroleum, Oils and Lubricants
PRO	- Program
PROC	- Procurement
PROD	- Production
PROF	- Professional
PT	- Point
PT	- Point
PUB	- Public
R&D	- Research and Development
RAF	- Royal Air Force
RC	- Reserve Component
RDT&E	- Research, Development, Test and Evaluation
REC	- Recreation
RECON	- Reconnaissance
REG	- Regional
RES	- Reservation
SCH	- School
SPT	- Support
SOD	- Squadron
STA	- Station
STRAT	- Strategic
SUB	- Submarine
SUP	- Supply
SYS	- Systems
T&E	- Test and Evaluation
TAC	- (Air Force) Tactical Air Command
TAG	- Tactical Airlift Group
TAW	- Tactical Airlift Wing
TECH	- Technical
TFG	- Tactical Fighter Group
TFW	- Tactical Fighter Wing
TRG	- Training
TRADOC	- (Army) Training and Doctrine Command
TRP	- Troop
USAREUR	- U. S. Army, Europe
USMA	- U. S. Military Academy

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BASE STRUCTURE STUDY

List of Abbreviations

USMC	-	U. S. Marine Corps
WG	-	Wing
WKS	-	Works
WRG	-	Weapons Range

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