

MILITARY VALUE DATA CALL**TECHNICAL CENTERS**

| | |
|------------------------------|--|
| Category | |
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Location/Address | WALLOPS ISLAND, VA 23337-5000 |

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TAB A Technical Operations: Functional Support Area - Life Cycle Work Area Form

TAB B Facilities and Equipment: Facilities/Equipment Capability Form

TAB C Range Resources: Range Capability Form

Appendix A Functional Support Areas - Life Cycle Work Areas List

Appendix B Definitions for Functional Support Areas - Life Cycle Work Areas

MILITARY VALUE MEASURES

MISSION

1. **Mission Statement.** State the officially assigned mission of this activity and cite the reference document(s) that assigns the mission.

CURRENT MISSION

TO AFFORDABLY REPLICATE THE COMBAT SYSTEMS OF ALL AEGIS SHIPS SO THAT A COMBINED AEGIS PROGRAM TEAM OF MILITARY, CIVIL SERVICE, AND CONTRACTOR PERSONNEL CAN:

- . INSTALL PROTOTYPE UPGRADES TO VERIFY THEY ARE EFFECTIVE AND READY FOR FLEET INTRODUCTION.
- . TRAIN COMMISSIONING AND REPLACEMENT CREWS.
- . PARTICIPATE IN FLEET OPERATIONS, RESEARCH AND DEVELOPMENT INITIATIVES, AND MAJOR EXERCISES.
- . FULLY TEST REVISED VERSIONS OF AEGIS WEAPON SYSTEM COMPUTER PROGRAMS.
- . INVESTIGATE AND CORRECT REPORTED PROBLEMS.

2. **Joint Service Missions.** State any officially assigned joint/lead service assignments missions and cite the document(s) that assigned them.

N/A

TECHNICAL FUNCTIONS

3. **Technical Functions Resource Allocations.** Appendix A provides a list of numbered functional support areas that cover the spectrum of naval warfare and support operations. Additionally, Appendix A provides a list of numbered life-cycle work areas that cover the "cradle to grave" spectrum of Navy systems acquisition. Utilizing the two lists at Appendix A, each activity will break out its entire FY1993 technical program within any applicable intersections of these two defining schemes (for example, functional support area #5.2 - life cycle work area #3 will identify the activity's level of resources allocated to sensors and surveillance systems, radar systems in advanced development). Definitions for each functional support and life cycle work area are provided in Appendix B for reference.

a. Use the form at Tab A of this data call to provide data on work years and expenditures for FY1993 to support each applicable intersection of functional support areas and life cycle work areas. When necessary, estimate data to the best of your ability

b. Similarly, use the Tab A forms to report separately on your detachments or sites that have not received this data call directly. This data may be consolidated when the detachments or sites perform work in the same area. When necessary, estimate data to the best of your ability.

MANPOWER

4. Work Breakdown Structure.

a. Use Table 4.1 (below) to provide data on the general support functions at your activity. Report data as of 31 March 1994. If you are collocated with one of your subordinate base keeper commands (i.e., a NAWS or NAS collocated with a NAWC Division), describe the differences in the functions of each and provide a separate Table 4.1 for the subordinate command. Include this command in the Table 4.1 submission for your Activity.

b. Similarly, use Table 4.2 (below) to provide general support function data for all your detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (4.2). Provide a list of the detachments whose data is included in Table 4.2. For each identified detachment in this list, include its name, location, UIC, and number of civilian and military personnel onboard.

In addition, if any of your detachments or separate sites not receiving an individual data call have over 50 civilian personnel or own technical facilities, provide separately a description of the site, the functions performed there, photographs showing the facilities and state the reason for that site's existence and the necessity for it to be at that location.

c. Use Table 4.3 (below) to provide estimated data, for your activity only, to reflect the anticipated impact of previous BRAC decisions that have not yet been implemented. This data should provide the deltas from Table 4.1.

NOTES:

[1] Use the following definitions when providing data for the tables below:

Workyears: Consistent with those used in the preparation of inputs to the President's budget.

Contract Workyears: Actual or estimated workyears performed by support contractors with workyears defined consistent with the definition used in the President's budget.

Civilian Personnel Onboard: Full Time Permanent (FTP) employees.

[2] Any categories of personnel that are employed to support other Activities should be noted with the name of the additional Activity supported.

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**Table 4.1, General Support Resources for
(Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)**

| Function | Space allocated (Gross SQFT) | Work Years | Civilian Persnel onboard | Contract Work Years | Military Personnel Onboard | |
|---|------------------------------|----------------|--------------------------|---------------------|----------------------------|--------------|
| | | | | | Off | Enl |
| ADMINISTRATION | | | | | | |
| Command (CO/XO/TD/etc.) | 1443 | 6 | 3 | 0 | 2 | 1 |
| Comptroller | 892 | 9 | 5 | 4 | 0 | 0 |
| Admin | 863 | 5 | 2 | 1 | 1 | 1 |
| Human Resources | N/A | 0 | 0 | 0 | 0 | 0 |
| OPERATIONS SUPPORT | | | | | | |
| Supply Management | 2083 | 40 41 | 5 | 26 | 1 | 8 9 |
| Consolidated Computational Computer Support | N/A | 0 | 0 | 0 | 0 | 0 |
| Information Systems and Communications | 594 | 11 | 1 | 9 | 0 | 1 |
| Safety/OSH/Environmental | 106 | 1 | 1 | 0 | 0 | 0 |
| INFRASTRUCTURE | | | | | | |
| Physical Security | 781 | 23 24 | 1 | 18 | 0 | 4 5 |
| Public Works/Staff Civil Engr | 1894 | 56 | 6 | 48 | 0 | 2 |
| Fire Protection | N/A | 10 | 0 | 10 | 0 | 0 |
| Medical/Dental NOTE 1 | 672 | | | | | |
| Military Support NOTE 2 | 282 | | | | | |
| Air/Waterfront Operations | N/A | | | | | |
| Other | N/A | | | | | |
| TECHNICAL STAFF | | | | | | |
| Technical Operations | | | 16 | 109 | 6 | 68 64 |
| Totals | 9610 | 164 163 | 40 | 220 225 | 10 | 90 83 |

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**Table 4.1, General Support Resources for
(Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)**

| Function | Space allocated (Gross SQFT) | Work Years | Civilian Persnel onboard | Contract Work Years | Military Personnel Onboard | |
|---|---------------------------------|------------|--------------------------|---------------------|----------------------------|-----|
| | | | | | Off | Enl |
| ADMINISTRATION | | | | | | |
| Command (CO/XO/TD/etc.) | 1443 | 6 | 3 | 0 | 2 | 1 |
| Comptroller | 892 | 9 | 5 | 4 | 0 | 0 |
| Admin | 863 | 5 | 2 | 1 | 1 | 1 |
| Human Resources | N/A | 0 | 0 | 0 | 0 | 0 |
| OPERATIONS SUPPORT | | | | | | |
| Supply Management | 2083 | 40 | 5 | 26 | 1 | 8 |
| Consolidated Computational Computer Support | N/A | 0 | 0 | 0 | 0 | 0 |
| Information Systems and Communications | 594 | 11 | 1 | 9 | 0 | 1 |
| Safety/OSH/Environmental | 106 | 1 | 1 | 0 | 0 | 0 |
| INFRASTRUCTURE | | | | | | |
| Physical Security | 781 | 23 | 1 | 18 | 0 | 4 |
| Public Works/Staff Civil Engr | 1894 | 56 | 6 | 48 | 0 | 2 |
| Fire Protection | N/A | 10 | 0 | 10 | 0 | 0 |
| Medical/Dental NOTE 1 | 672 | | | | | |
| Military Support NOTE 2 | 282 | | | | | |
| Air/Waterfront Operations | N/A | | | | | |
| Other | N/A | | | | | |
| TECHNICAL STAFF | | | | | | |
| Technical Operations | | | 16 | 109 | 6 | 68 |
| Totals | 9610 | 164 | 40 | 220 | 10 | 90 |

NOTE 1: MEDICAL AND DENTAL SUPPORT IS PROVIDED ON A QUARTERLT BASIS BY ANNAPOLIS. TWO FULLTIME HOSPITAL CORPSMEN FROM UIC N48167 WORK AT ACSC.
NOTE 2: MILITARY PERSONNEL SUPPORT IS PROVIDED BY TWO FULLTIME PNC'S FROM UIC N49675.

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Table 4.2, General Support Resources for all Detachments
 (Activity: N/A) (UIC: _____)

| Function | Space allocated (Gross SQFT) | Work Years | Civilian Persnel onboard | Contract Work Years | Military Personnel Onboard | |
|---|------------------------------|------------|--------------------------|---------------------|----------------------------|-----|
| | | | | | Off | Enl |
| ADMINISTRATION | | | | | | |
| Command (CO/ XO/ TD/etc.) | | | | | | |
| Comptroller | | | | | | |
| Admin | | | | | | |
| Human Resources | | | | | | |
| OPERATIONS SUPPORT | | | | | | |
| Supply Management | | | | | | |
| Consolidated Computational Computer Support | | | | | | |
| Information Systems and Communications | | | | | | |
| Safety/OSH/Environmental | | | | | | |
| INFRASTRUCTURE | | | | | | |
| Physical Security | | | | | | |
| Public Works/Staff Civil Engr | | | | | | |
| Fire Protection | | | | | | |
| Medical/Dental | | | | | | |
| Military Support | | | | | | |
| Air/Waterfront Operations | | | | | | |
| Other | | | | | | |
| TECHNICAL STAFF | | | | | | |
| Technical Operations | | | | | | |
| Totals | | | | | | |

**Table 4.3, Previous BRAC Impact to General Support Resources for
(Activity: N/A) (UIC:)**

| Function | Space allocated (Gross SQFT) | Work Years | Civilian Persnel onboard | Contract Work Years | Military Personnel Onboard | |
|---|---------------------------------|------------|--------------------------|---------------------|----------------------------|-----|
| | | | | | Off | Enl |
| ADMINISTRATION | | | | | | |
| Command (CO/XO/ TD/etc.) | | | | | | |
| Comptroller | | | | | | |
| Admin | | | | | | |
| Human Resources | | | | | | |
| OPERATIONS SUPPORT | | | | | | |
| Supply Management | | | | | | |
| Consolidated Computational Computer Support | | | | | | |
| Information Systems and Communications | | | | | | |
| Safety/OSH/Environmental | | | | | | |
| INFRASTRUCTURE | | | | | | |
| Physical Security | | | | | | |
| Public Works/Staff Civil Engr | | | | | | |
| Fire Protection | | | | | | |
| Medical/Dental | | | | | | |
| Military Support | | | | | | |
| Air/Waterfront Operations | | | | | | |
| Other | | | | | | |
| TECHNICAL STAFF | | | | | | |
| Technical Operations | | | | | | |
| Totals | | | | | | |

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5. Technical Staff Qualifications.

a. Use Table 5.1 (below) to provide data on the civilian personnel allocated to Technical Operations having the educational and experience levels indicated in the table for your activity. Report data as of 31 March 1994. Similarly, use Table 5.2 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.2). Provide a list of the detachments whose data is included in Table 5.2.

Table 5.1, Technical Staff Education Level for (Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)

| Highest Degree Attained | Years of Government and/or Military Service | | | | | Total |
|-------------------------|---|------------|-------------|-------------|--------------------|-------|
| | Less than 3 Years | 3-10 Years | 11-15 Years | 16-20 Years | More than 20 Years | |
| Grade School | | | | | | |
| High School | | 1 | | | | 1 |
| B.A./B.S | | 23 | 34 | 1 | 43 | 101 |
| M.A./M.S | | 1 | 21 | 1 | 1 | 24 |
| Ph.D./M.D. | | | | | | |
| Total | | 45 | 55 | 2 | 84 | 16 |

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5. Technical Staff Qualifications.

a. Use Table 5.1 (below) to provide data on the civilian personnel allocated to Technical Operations having the educational and experience levels indicated in the table for your activity. Report data as of 31 March 1994. Similarly, use Table 5.2 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.2). Provide a list of the detachments whose data is included in Table 5.2.

**Table 5.1, Technical Staff Education Level for
(Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)**

| Highest Degree Attained | Years of Government and/or Military Service | | | | | Total |
|-------------------------|---|------------|-------------|-------------|--------------------|-----------|
| | Less than 3 Years | 3-10 Years | 11-15 Years | 16-20 Years | More than 20 Years | |
| Grade School | | | | | | |
| High School | | 1 | | | | 1 |
| B.A./B.S | | 2 | 3 | 1 | 4 | 10 |
| M.A./M.S | | 1 | 2 | 1 | 1 | 6 |
| Ph.D./M.D. | | | | | | |
| Total | | 4 | 5 | 2 | 5 | 16 |

Table 5.2, Technical Staff Education Level for all Detachments
 (Parent Activity: N/A) (UIC: _____)

| Highest Degree Attained | Years of Government and/or Military Service | | | | | Total |
|-------------------------|---|------------|-------------|-------------|--------------------|-------|
| | Less than 3 Years | 3-10 Years | 11-15 Years | 16-20 Years | More than 20 Years | |
| Grade School | | | | | | |
| High School | | | | | | |
| B.A./B.S | | | | | | |
| M.A./M.S | | | | | | |
| Ph.D./ M.D. | | | | | | |
| Total | | | | | | |

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b. Use Table 5.3 (below) to provide data on the number of civilian personnel allocated to Technical Operations with graduate degrees and at least three years of applicable experience that have their highest degree in the fields indicated. Report data as of 31 March 1994. Similarly, use Table 5.4 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.4). Provide a list of the detachments whose data is included in Table 5.4

**Table 5.3, Technical Staff Academic Fields for
(Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)**

| Academic field | Number |
|--|------------|
| Physics | 10 |
| Chemistry | |
| Biology | |
| Mathematics/Statistics/ Operations Research | 21 |
| Engineering | 22 |
| Medical | |
| Dental | |
| Computer Science | 20 |
| Social Science | |
| Other Science | |
| Non-Science | 1 |
| Total | 154 |

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b. Use Table 5.3 (below) to provide data on the number of civilian personnel allocated to Technical Operations with graduate degrees and at least three years of applicable experience that have their highest degree in the fields indicated. Report data as of 31 March 1994. Similarly, use Table 5.4 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.4). Provide a list of the detachments whose data is included in Table 5.4

**Table 5.3, Technical Staff Academic Fields for
(Activity: AEGIS COMBAT SYSTEMS CENTER) (UIC: 45534)**

| Academic field | Number |
|--|-----------|
| Physics | 1 |
| Chemistry | |
| Biology | |
| Mathematics/Statistics/ Operations Research | 2 |
| Engineering | 9 |
| Medical | |
| Dental | |
| Computer Science | 2 |
| Social Science | |
| Other Science | |
| Non-Science | 1 |
| Total | 15 |

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Table 5.4, Technical Staff Academic Fields for all Detachments
(Parent Activity: N/A) (UIC: _____)

| Academic field | Number |
|--|--------|
| Physics | |
| Chemistry | |
| Biology | |
| Mathematics/Statistics/ Operations Research | |
| Engineering | |
| Medical | |
| Dental | |
| Computer Science | |
| Social Science | |
| Other Science | |
| Non-Science | |
| Total | |

c. Are there unique aspects of the activity's location that help or hinder in the hiring of qualified personnel? *NO*

d. List all articles written by the in-house technical staff that were published or accepted for publication in refereed journals since 1 January 1990. *NONE*

e. List all technical books and/or chapters written by the in-house technical staff that were published or accepted for publication since 1 January 1990. *NONE*

f. Identify any Nobel laureates employed at this activity. *NONE*

g. List all non-governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990. *NONE*

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990. *3 AEGIS EXCELLENCE AWARDS.*

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**Table 5.4, Technical Staff Academic Fields for all Detachments
(Parent Activity: N/A) (UIC: _____)**

| Academic field | Number |
|--|--------|
| Physics | |
| Chemistry | |
| Biology | |
| Mathematics/Statistics/ Operations Research | |
| Engineering | |
| Medical | |
| Dental | |
| Computer Science | |
| Social Science | |
| Other Science | |
| Non-Science | |
| Total | |

c. Are there unique aspects of the activity's location that help or hinder in the hiring of qualified personnel?

d. List all articles written by the in-house technical staff that were published or accepted for publication in refereed journals since 1 January 1990.

e. List all technical books and/or chapters written by the in-house technical staff that were published or accepted for publication since 1 January 1990.

f. Identify any Nobel laureates employed at this activity.

g. List all non-governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

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i. List all patents awarded to the in-house technical staff members of this activity since 1 January 1990. *NONE*.

j. List all patents applied for by the in-house technical staff members of this activity since 1 January 1990. *NONE*

k. Identify any in-house staff that are members of the National Academy of Engineering. *NONE*

l. Identify any in-house staff that are members of the National Academy of Sciences. *NONE*

m. How many Cooperative Research and Development Agreements (CRDAs) have been signed by the activity since 1 January 1990? *NONE*

n. What has been the activity's annual royalty income from CRDAs and patent licenses for each year since 1 January 1990? *NONE*

o. List and describe any major end item prototypes, either product or process technology, developed in-house by the activity that are currently in production and/or are currently in use by the U.S. Armed Forces or by industry. Cite a published reference that documents the work. *NONE*

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i. List all patents awarded to the in-house technical staff members of this activity since 1 January 1990.

j. List all patents applied for by the in-house technical staff members of this activity since 1 January 1990.

k. Identify any in-house staff that are members of the National Academy of Engineering.

l. Identify any in-house staff that are members of the National Academy of Sciences.

m. How many Cooperative Research and Development Agreements (CRDAs) have been signed by the activity since 1 January 1990?

n. What has been the activity's annual royalty income from CRDAs and patent licenses for each year since 1 January 1990?

o. List and describe any major end item prototypes, either product or process technology, developed in-house by the activity that are currently in production and/or are currently in use by the U.S. Armed Forces or by industry. Cite a published reference that documents the work.

FACILITIES AND EQUIPMENT

6. **Special Facilities/Equipment Resources.** Include a copy of the form provided at Tab B of this data call for each facility and "major" piece of equipment located at this activity. Include information on separate detachments. The following definitions will apply:

Facilities - Will include such things as rocket firing bays, towing tanks, anechoic chambers, hypervelocity gun ranges, hyperbaric chambers, wind tunnels, simulation/emulation laboratories, etc. Include buildings that are integral to the facility/equipment. Do not include major outdoor ranges or land.

Also, describe modeling and simulation capabilities, hardware in-the-loop facilities and analysis or wargaming capabilities.

Equipment - Resources used to support the operation of the site with a replacement value of \$500,000 or greater. Do not include land or buildings in this category. In reporting equipment, provide information to indicate the degree of portability of the equipment.

Class 3 Personal Property items ("plant equipment" or "equipment in place") by definition are highly portable and can be moved easily. Some Class 2 Installed Equipment, such as Main-frame computers, test stands and small hyperbaric chambers, require more extensive utilities support and assembly of components, but can be relocated without damage to the facility or equipment, and therefore are considered "moveable" assets. Other Class 2 items are so large and/or integral to the facility that houses them that major demolition and construction would be required to relocate them, and therefore are considered "fixed" assets. Where appropriate, pieces of equipment can be aggregated for the purposes of completing Tab B.

7. General Facilities.

a. Is there any cash revenue generated by this activity? Example: Electricity generated at this activity and sold to the local community. If yes, describe. **NO.**

b. What MILCON projects are currently programmed to be completed by the end of FY1995? **NONE.** For each project provide:

(1) A description of the proposed facility with title and project number. Be sure to include the trailing alpha designator for BRACs-88, 91 and 93 realignment projects, i.e., P-xxxR, P-xxxS, P-xxxT .

(2) The functional support area(s) that the new facility will support. Refer to

Appendix A.

(3) Identify installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call.

(4) The additional square footage that this project will provide to the functional support area(s).

(5) The current working estimate (CWE) & planned beneficial occupancy date (BOD) of the project.

c. What MILCON projects are currently programmed to be executed/completed after FY1995?

P-320 BOQ ADDITION
H-268 CONSTRUCT ADDITIONAL HOUSING

For each project provide:

(1) A description of the proposed facility with title and project number.

P-320: BOQ ADDITION PROVIDES 19 ADDITIONAL BOQ SUITES AND COMMON SUPPORT AREAS, BY CONSTRUCTING A BRICK AND CONCRETE MASONRY, TWO STORY FACILITY.

H-268: CONSTRUCT ADDITIONAL HOUSING PROVIDES 20 NEW SINGLE DWELLING UNITS WITH COVERED PARKING, PATIOS, PRIVACY FENCING, EXTERIOR STORAGE, AND RECREATIONAL FACILITIES. PROJECT INCLUDES SUPPORTING ROADS AND UTILITIES.

(2) The functional support area(s) the new facility will support.

10.1.3 - SURFACE SHIP RELATED TRAINING SYSTEMS
3.3 - COMBAT SYSTEM INTEGRATION SURFACE

(3) The identified installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call.

NO INSTALLED EQUIPMENT WILL BE PROVIDED FOR EITHER OF THESE PROJECTS BASED ON THE THRESHOLD GUIDANCE OF PARAGRAPH 6 PAGE 13 OF THIS DATA CALL.

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(4) The additional square footage this project will provide to the functional support area(s).

P-320 : 13775 SF (10.1.3)

H-268 : 24300 SF (10.1.3 & 3.3)

(5) CWE & planned BOD.

P-320 \$2.43M & JULY 1997

H-268 \$3.35M & OCTOBER 1997

d. What is the distance (in miles) to the nearest military airfield and/or pier not located at your site? Describe. Assume all previous BRAC closures have been executed. 80 MILES TO NOB AND NAS NORFOLK.

e. How many certified magazines, used for the storage of explosives, does this activity own or control? What is the total explosive weight storage capacity? NONE.

LOCATION

8. Geographic Location.

a. Is there an imperative in facility, function or synergy that requires the installation/base/facility to be in its present location? If yes, describe.

THE ACSC IS LOCATED 100 YARDS FROM THE ATLANTIC OCEAN. ITS PROXIMITY TO THE WATER DUPLICATES PROPOGATION AND ELECTROMAGNETIC CONDITIONS EXPERIENCED BY SHIPBOARD RADARS AND COMMUNICATION SYSTEMS. BEING ADJACENT TO THE OCEAN ALSO PERMITS TESTING OF RADARS TO THE HORIZON. THE SITES RADARS ALSO OVERLOOK THE VACAPES OPAREA. THE RELATIVE ISOLATION OF THE ACSC PERMITS RELATIVELY FREE ACCESS BY SHIPS AND AIRCRAFT USED IN TESTING.

b. What is the importance of the present location relative to customers supported?

THE PROXIMITY TO WATER ALLOWS ENGINEERING TESTS OF RADAR TO BE CONDUCTED IN CONDITIONS SIMILAR TO THOSE EXPERIENCED BY SHIPS, AND AIDS CUSTOMERS BY ALLOWING OPTIMIZATION OF SHIPBOARD RADAR PERFORMANCE OVER WATER. THE PROXIMITY TO THE NAVAL COMPLEXES AT NORFOLK AND THE VACAPES OPAREA REDUCES TRANSIT TIME FOR SHIPS AND AIRCRAFT USED IN COOPERATIVE TESTS OF THE RADARS AND DATA LINKS WHICH ARE TESTED BY THE CUSTOMERS. IT ALSO PERMITS USE OF AIR AND SURFACE COOPERATIVE TARGETS OF OPPORTUNITY WHICH USE THE OPAREA.

FEATURES AND CAPABILITIES

9. Computational Facilities.

a. Describe the general and special computational capabilities at this site. Include super computing, parallel computing, distributed computing and networking. Include high-speed data transfer, fiber optic links, microwave links, network interconnectivity and video teleconferencing capabilities. Do not discuss desktops and laptops except as they relate to networking.

GENERAL: THE ACSC USES SEVERAL INTERCONNECTED LOCAL AREA NETWORKS (LANS) USING NOVELL SOFTWARE. THE OVERALL NETWORK IS REFERRED TO AS THE ACSC WIDE AREA NETWORK (AWAN). IT PRINCIPALLY CONNECTS DESKTOP COMPUTERS THROUGHOUT THE SITE, AND PERMITS THE SHARING OF PROGRAMS, PERIPHERALS, AND THE TRANSMISSION OF ELECTRONIC MAIL. IT ALSO CONNECTS TO A T1 PHONE LINE FOR COMMUNICATION TO NSWC-DAHLGREN DIVISION, AND HAS A MODEM CAPABILITY FOR CONNECTION TO OTHER SITES.

BUILDING V-10 AT THE ISLAND SITE OF ACSC HOLDS A VIDEO TELECONFERENCING ROOM. THIS ROOM IS CAPABLE OF SUPPORTING A 3-WAY VIDEO LINK, AN AUDIO LINK, AND TRANSMISSION OF DOCUMENTS BETWEEN SITES.

SPECIAL: ACSC MAINTAINS SEVERAL SUITES OF TACTICAL COMPUTERS IN THREE COMPUTER ROOMS. THESE UYK-7 AND UYK-43 BASED SYSTEMS ARE USED TO DUPLICATE THE COMPUTER FACILITIES ON AEGIS CLASS SHIPS. THROUGH SWITCHING THESE COMPUTER SUITES CAN DRIVE ANY OF FOUR COMBAT INFORMATION CENTERS LOCATED AT THE SITE, AS WELL AS INTERFACE TO REAL SHIP SENSORS AND SIMULATED SENSORS AND WEAPONS.

ACSC USES THREE VAX BASED SIMULATOR SYSTEMS CALLED AEGIS COMBAT SYSTEM INTERFACE SIMULATOR (ACSIS). THE ACSIS SYSTEMS INTERFACE WITH THE TACTICAL COMPUTER SYSTEMS TO PROVIDE COMPLEX, INTERACTIVE SCENARIOS FOR TESTING AND TRAINING.

ACSC MAINTAINS TWO COMPUTER AIDED SUBMODE TRAINING (CAST) LABS. THESE LABS HAVE 22 AND 15 TERMINALS RESPECTIVELY, AND ARE USED FOR STUDENTS TO RUN COMPUTER GENERATED LESSONS WHICH PROVIDE FAMILIARIZATION WITH TACTICAL CONSOLE OPERATION. THE CAST TERMINALS HAVE THE SAME APPEARANCE AS THE TACTICAL CONSOLES.

THE ASWCS MULTI-CONFIGURATION ENVIRONMENT SIMULATOR COMPUTERS ARE USED TO SIMULATE A VARIETY OF ENVIRONMENTAL INPUTS FOR TESTING AWS FUNCTIONS.

THE SONAR ENVIRONMENTAL GROUP SIMULATOR IS A NEWER MACINTOSH BASED COMPUTER WHICH ALSO SIMULATES ENVIRONMENTAL INPUTS FOR TESTING ASW FUNCTIONS.

THE INTERFACE SIMULATION ANALYSIS SYSTEM IS USED TO SIMULATE, RESPOND TO, AND MEASURE LINK-11 TACTICAL DATA LINK MESSAGES.

THE BASIC ECM ENVIRONMENTAL SIMULATOR PROVIDES ELECTRONIC SIGNALS TO TEST THE SPY RADAR SUSCEPTIBILITY TO JAMMING.

ACSC MAINTAINS MANY COMPUTER RESOURCES WHICH SIMULATE INDIVIDUAL WEAPONS OR SENSOR FOUND ABOARD SHIP. THESE INCLUDE:

GUN WEAPONS SYSTEM
GUNMOUNT SIMULATOR
HARPOON SWG-1A
SIM Z, SIM H (MOTION AND POSITION SIMULATORS)
INERTIAL MEASUREMENT UNIT SIMULATOR
SLQ-32 SIMULATOR
HYBRID SIMULATOR (SIMULATES VERTICAL LAUNCH SYSTEM)

10. Mobilization Responsibility and Capability. (N/A)

a. Describe any mobilization responsibility officially assigned to this site. Cite the document assigning the responsibility.

(1) What functional support area(s) does this responsibility support? Refer to Appendix A for the list of functional support areas?

(2) What portion of the work years and dollars, as reported in each applicable functional support area reported in Tab A, are spent solely on maintaining your activity's readiness to execute the mobilization responsibilities?

(3) How many additional personnel (military & civilian) would be assigned to your activity as part of the mobilization responsibility? Include separately any contractor assets that would be added.

b. Does your activity have adequate facilities to support your mobilization responsibilities? (yes/no)

(1) If yes, is any space assigned for the sole purpose of maintaining mobilization readiness? (yes/no) If yes, list the square footage assigned.

(2) If no, what repairs, renovations and/or additions are required to provide adequate facilities? What is the estimated cost of this work?

(3) Are there any restrictions that would prevent work (noted in paragraph 10.b.(2) above) from taking place (i.e., AICUZ, environmental constraints, HERO, etc.)? If yes, describe.

c. Describe any production facilities that would be activated in case of a future contingency.

d. Is your activity used as a Reserve Unit mobilization and/or training site?

11. **Range Resources.** Include a copy of the form provided at Tab C of this data call for each range located at this activity or operated by this activity. Also, report ranges at detachments and sites not receiving a separate data call. The following definition of a range will apply:

Range - An instrumented or non-instrumented area that utilizes air, land, and/or water space to support test and evaluation, measurements, training and data collection functions, but is not enclosed within a building. (N/A)

QUALITY OF LIFE

12. Military Housing

(a) Family Housing:

(1) Do you have mandatory assignment to on-base housing? (circle) NO

(2) For military family housing in your locale provide the following information:

| Type of Quarters | Number of Bedrooms | Total number of units | Number Adequate | Number Substandard | Number Inadequate |
|------------------|--------------------|-----------------------|-----------------|--------------------|-------------------|
| Officer | 4+ | | | | |
| Officer | 3 | 4 | 4 | | |
| Officer | 1 or 2 | | | | |
| Enlisted | 4+ | | | | |
| Enlisted | 3 | 20 | 20 | | |
| Enlisted | 1 or 2 | 4 | 4 | | |
| Mobile Homes | | | | | |
| Mobile Home lots | | | | | |

(3) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

What other use could be made of the facility and at what cost?

Current improvement plans and programmed funding:

Has this facility condition resulted in C3 or C4 designation on your BASEREP?

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(4) Complete the following table for the military housing waiting list.

| Pay Grade | Number of Bedrooms | Number on List ¹ | Average Wait |
|-------------|--------------------|-----------------------------|--------------|
| O-6/7/8/9 | 1 | | |
| | 2 | | |
| | 3 | 0 | |
| | 4+ | | |
| O-4/5 | 1 | | |
| | 2 | | |
| | 3 | 0 | |
| | 4+ | | |
| O-1/2/3/CWO | 1 | | |
| | 2 | | |
| | 3 | 0 | |
| | 4+ | | |
| E7-E9 | 1 | | |
| | 2 | | |
| | 3 | 2 | 2 MOS. |
| | 4+ | | |
| E1-E6 | 1 | | |
| | 2 | 8 | 8-12 MOS. |
| | 3 | 2 | 4-6 MOS. |
| | 4+ | | |

¹As of 31 March 1994.

(5) What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? YES If so provide details. LOWER PAYGRADES WITH DEPENDENTS HAVE THE FEWEST OPTIONS AVAILABLE IN EXISTING MARKET.

| Top Five Factors Driving the Demand for Base Housing | |
|--|---|
| 1 | SUPPLY OF HOUSING STOCK IN THE AREA |
| 2 | COST OF UTILITIES |
| 3 | ABILITY OF POTENTIAL OCCUPANT TO RENT OR OWN A PROPERTY |
| 4 | SLOW REAL ESTATE SALES MARKET |
| 5 | COMMUTING DISTANCE TO WORK AND COMMUNITY SERVICES |

(6) What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)? 100%

(7) Provide the utilization rate for family housing for FY 1993.

| Type of Quarters | Utilization Rate |
|------------------|------------------|
| Adequate | 97.6 |
| Substandard | N/A |
| Inadequate | N/A |

(8) As of 31 March 1994, have you experienced much of a change since FY 1993? NO If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason? OUR HOST PROVIDES TURNOVER MAINTENANCE SERVICES VIA AN EXISTING CONTRACT. NASA HAS NO HOUSING UNITS WITH SIMILAR REQUIREMENTS THEREFORE THEIR CONTRACT AND MANAGEMENT STRUCTURE CANNOT DELIVER A 3 DAY TURNOVER ON VACANCY.

Revised pg

(b) BEQ:

(1) Provide the utilization rate for BEQs for FY 1993.

| Type of Quarters | Utilization Rate |
|------------------|------------------|
| Adequate | 63% 47% |
| Substandard | N/A |
| Inadequate | N/A |

RBM
C.O.
8 JUL 94

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? Yes. If so, why? There has been an increase between FY93 and the first 6 mos. of FY94 (76%). This has been due partly to the change in CNO standards which changed the capacity in BEQ from 85 per to 65 per day, and partly to the increase in the number of classes scheduled in FY94. If occupancy is under 95% (or vacancy over 5%), is there a reason? The occupancy under 95% due to the transient nature of ACSC BQ's. The majority of spaces are transient spaces and are used to house students attending ATU classes. The classes scheduled do not always fill the BQs and the breaks between classes will always leave open rooms.

New
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8 JUL 94

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

AOB = ~~29~~ 13

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8 JUL 94

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

| Reason for Separation from Family | Number of GB | Percent of GB | Comments |
|--|--------------|---------------|----------|
| Family Commitments (children in school, financial, etc.) | 18 | 100% | |
| Spouse Employment (non-military) | 0 | 0 | |
| Other | N/A | N/A | |
| TOTAL | | 100 | |

(5) How many geographic bachelors do not live on base? (01)

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ENCL 6



(b) BEQ:

(1) Provide the utilization rate for BEQs for FY 1993.

| Type of Quarters | Utilization Rate |
|------------------|------------------|
| Adequate | 63% |
| Substandard | N/A |
| Inadequate | N/A |

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = \underline{39}$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

| Reason for Separation from Family | Number of GB | Percent of GB | Comments |
|--|--------------|---------------|----------|
| Family Commitments (children in school, financial, etc.) | 18 | 100% | |
| Spouse Employment (non-military) | 0 | 0 | |
| Other | N/A | N/A | |
| TOTAL | | 100 | |

(5) How many geographic bachelors do not live on base? (01)

Revised pg

(c) BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

| Type of Quarters | Utilization Rate |
|------------------|------------------|
| Adequate | 87% 75% |
| Substandard | N/A |
| Inadequate | N/A |

RBM
c.o
12 Jul 94

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? Yes. If so, why? There has not been much of a change between FY93 and the first 6 mos. of FY94 (80%). If occupancy is under 95% (or vacancy over 5%), is there a reason? The occupancy is under 95% due to the ATU class schedules which either overlap or there are no classes scheduled. Currently there is only one permanent party living in the BOQ which leaves the remaining 22 rooms for use by transient personnel. The class size of the training classes normally is between 10 to 15 students and the breaks between out-going and incoming classes leave the rooms vacant for various periods of time.

RBM
c.o
12 Jul 94

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$AOB = 1$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

| Reason for Separation from Family | Number of GB | Percent of GB | Comments |
|--|--------------|---------------|----------|
| Family Commitments (children in school, financial, etc.) | 01 | 100% | |
| Spouse Employment (non-military) | 0 | 0 | |
| Other | N/A | N/A | |
| TOTAL | 1 | 100 | |

(5) How many geographic bachelors do not live on base? (0)

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(c) BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

| Type of Quarters | Utilization Rate |
|------------------|------------------|
| Adequate | 87% |
| Substandard | N/A |
| Inadequate | N/A |

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = 4$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

| Reason for Separation from Family | Number of GB | Percent of GB | Comments |
|--|--------------|---------------|----------|
| Family Commitments (children in school, financial, etc.) | 01 | 100% | |
| Spouse Employment (non-military) | 0 | 0 | |
| Other | N/A | N/A | |
| TOTAL | 1 | 100 | |

(5) How many geographic bachelors do not live on base? (0)

(d) BOQ/BEQ Housing and Messing.

(1) Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

| Facility Type, Bldg. # & CCN | Total No. of Beds | Total No. of Rooms | Adequate | | Substandard | | Inadequate | |
|------------------------------------|-------------------------|-----------------------|----------|--------|-------------|-------|------------|-------|
| | | | Beds | Sq Ft | Beds | Sq Ft | Beds | Sq Ft |
| BEQ R-20 72111 | 4 | 2 | 4 | 750 | N/A | N/A | N/A | N/A |
| 72112 | 44 | 44 | 44 | 17,625 | N/A | N/A | N/A | N/A |
| 72113 | 15 | 15 | 15 | 11,250 | N/A | N/A | N/A | N/A |
| BOQ R-10 72411 | 6 | 6 | 10 | 3,292 | N/A | N/A | N/A | N/A |
| 72412 | 10 | 10 | 10 | 6,902 | N/A | N/A | N/A | N/A |

(2) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(3) Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

| Facility Type, Bldg. # & CCN | Total No. of Beds | Total No. of Rooms | Adequate | | Substandard | | Inadequate | |
|------------------------------------|-------------------------|-----------------------|----------|-------|-------------|-------|------------|-------|
| | | | Beds | Sq Ft | Beds | Sq Ft | Beds | Sq Ft |
| 72411 | 10 | 10 | 10 | 6,407 | N/A | N/A | N/A | N/A |
| 72412 | 09 | 09 | 09 | 7,368 | N/A | N/A | N/A | N/A |
| | | | | | | | | |
| | | | | | | | | |

(4) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(5) Provide data on the messing facilities assigned to your current plant account.

| Facility Type, CCN and Bldg. # | Total Sq. Ft. | Adequate | | Substandard | | Inadequate | | Avg # Noon Meals Served |
|-----------------------------------|------------------|----------|-------|-------------|-------|------------|-------|----------------------------|
| | | Seats | Sq Ft | Seats | Sq Ft | Seats | Sq Ft | |
| CDF 72145 | 5,460 | 88 | 5,460 | N/A | N/A | N/A | N/A | 69 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

(6) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(7) Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

SAME AS PARA. (5) ABOVE.

| Facility Type, CCN and Bldg. # | Total Sq. Ft. | Adequate | | Substandard | | Inadequate | | Avg # Noon Meals Served |
|-----------------------------------|------------------|----------|-------|-------------|-------|------------|-------|----------------------------|
| | | Seats | Sq Ft | Seats | Sq Ft | Seats | Sq Ft | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

(8) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

13. **MWR Facilities.** For on-base MWR facilities¹⁰ available, complete the following table for each separate location. For off-base government owned or leased recreation facilities indicate distance from base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION ACSC AND NASA/WFF **DISTANCE** <1 MILE

| Facility | Unit of Measure | Total | Profitable (Y,N,N/A) |
|-----------------|-----------------|-------|-------------------------------------|
| Auto Hobby | Indoor Bays | | |
| | Outdoor Bays | | |
| Arts/Crafts | SF | | |
| Wood Hobby | SF | | |
| Bowling | Lanes | | |
| Enlisted Club | SF | | |
| Officer's Club | SF | | |
| Library | SF | 4200 | NASA TECHNICAL LIBRARY N/A |
| Library | Books | 13000 | N/A |
| Theater | Seats | | |
| ITT | SF | | |
| Museum/Memorial | SF | 3500 | NASA VISITOR CENTER N/A |
| Pool (indoor) | Lanes | | |
| Pool (outdoor) | Lanes | | |

¹⁰Spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

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| | | | |
|----------------|------|------|--------------------|
| Beach | LF | 1000 | NO SWIMMING N/A |
| Swimming Ponds | Each | | |
| Tennis CT | Each | 35 | N/A |

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| Facility | Unit of Measure | Total | Profitable (Y,N,N/A) |
|-------------------------|-----------------|-------|----------------------|
| Volleyball CT (outdoor) | Each | | |
| Basketball CT (outdoor) | Each | 2 | N/A |
| Racquetball CT | Each | | |
| Golf Course | Holes | | |
| Driving Range | Tee Boxes | | |
| Gymnasium | SF | 10000 | NASA N/A |
| Fitness Center | SF | 480 | N/A |
| Marina | Berths | | |
| Stables | Stalls | | |
| Softball Fld | Each | 2 | NASA N/A |
| Football Fld | Each | | |
| Soccer Fld | Each | | |
| Youth Center | SF | | |
| | | | |

(a) Is your library part of a regional interlibrary loan program?
N/A

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ENCL (8)



| | | | |
|----------------|------|------|-----------------------|
| Beach | LF | 1000 | NO SWIMMING N/A |
| Swimming Ponds | Each | | |
| Tennis CT | Each | 3 | N/A |

| Facility | Unit of Measure | Total | Profitable (Y,N,N/A) |
|-------------------------|-----------------|-------|----------------------|
| Volleyball CT (outdoor) | Each | | |
| Basketball CT (outdoor) | Each | 2 | N/A |
| Racquetball CT | Each | | |
| Golf Course | Holes | | |
| Driving Range | Tee Boxes | | |
| Gymnasium | SF | 10000 | NASA N/A |
| Fitness Center | SF | 480 | N/A |
| Marina | Berths | | |
| Stables | Stalls | | |
| Softball Fld | Each | 2 | NASA N/A |
| Football Fld | Each | | |
| Soccer Fld | Each | | |
| Youth Center | SF | | |
| | | | |

(a) Is your library part of a regional interlibrary loan program?
N/A

14. **Base Family Support Facilities and Programs.**

a. Complete the following table on the availability of child care in a child care center on your base. N/A

| Age Category | Capacity (Children) | SF | | | Number on Wait List | Average Wait (Days) |
|--------------|----------------------|----------|-------------|------------|---------------------|---------------------|
| | | Adequate | Substandard | Inadequate | | |
| 0-6 Mos | | | | | | |
| 6-12 Mos | | | | | | |
| 12-24 Mos | | | | | | |
| 24-36 Mos | | | | | | |
| 3-5 Yrs | | | | | | |

b. In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means." For all the categories above where inadequate facilities are identified provide the following information:
N/A

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

What other use could be made of the facility and at what cost?

Current improvement plans and programmed funding:

Has this facility condition resulted in C3 or C4 designation on your BASEREP?

c. If you have a waiting list, describe what programs or facilities other than those sponsored by your command are available to accommodate those on the list. N/A

d. How many "certified home care providers" are registered at your base? 2

e. Are there other military child care facilities within 30 minutes of the base? NO.
State owner and capacity (i.e., 60 children, 0-5 yrs).

Revised pg

f. Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

| Service | Unit of Measure | Qty |
|------------------------|-----------------|--------|
| Exchange NOTE 1 | SF | 1000 |
| Gas Station | SF | |
| Auto Repair | SF | |
| Auto Parts Store | SF | |
| Commissary | SF | |
| Mini-Mart | SF | |
| Package Store NOTE 1 | SF | 150 |
| Fast Food Restaurants | Each | |
| Bank/Credit Union | Each | 1 NASA |
| Family Service Center | SF | |
| Laundromat | SF | |
| Dry Cleaners | Each | |
| ARC | PN | |
| Chapel | PN | |
| FSC Classrm/Auditorium | PN | |
| | | |

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12/2/94

NOTE 1: EXCHANGE OPERATED BY US COAST GUARD; INCLUDES SF FOR PACKAGE STORE

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ENCL (9)



f. Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

| Service | Unit of Measure | Qty |
|------------------------|-----------------|------|
| Exchange NOTE 1 | SF | 1000 |
| Gas Station | SF | |
| Auto Repair | SF | |
| Auto Parts Store | SF | |
| Commissary | SF | |
| Mini-Mart | SF | |
| Package Store NOTE 1 | SF | 150 |
| Fast Food Restaurants | Each | |
| Bank/Credit Union | Each | 1 |
| Family Service Center | SF | |
| Laundromat | SF | |
| Dry Cleaners | Each | |
| ARC | PN | |
| Chapel | PN | |
| FSC Classrm/Auditorium | PN | |
| | | |

NOTE 1: EXCHANGE OPERATED BY US COAST GUARD; INCLUDES SF FOR PACKAGE STORE

15. Proximity of Closest Major Metropolitan Areas (provide at least three):

| City | Distance (Miles) |
|----------------|------------------|
| NORFOLK, VA | 80 |
| BALTIMORE, MD | 140 |
| WASHINGTON, DC | 150 |

16. Standard Rate VHA Data for Cost of Living:

| Paygrade | With Dependents | Without Dependents |
|----------|-----------------|--------------------|
| E1 | 42.07 | 23.54 |
| E2 | 42.07 | 26.46 |
| E3 | 36.61 | 26.98 |
| E4 | 73.23 | 51.11 |
| E5 | 87.10 | 60.81 |
| E6 | 60.19 | 40.97 |
| E7 | 102.46 | 71.17 |
| E8 | 115.13 | 87.03 |
| E9 | 120.88 | 91.76 |
| W1 | 197.96 | 150.34 |
| W2 | 166.65 | 130.71 |
| W3 | 149.90 | 121.85 |
| W4 | 138.19 | 122.53 |
| O1E | 165.32 | 122.63 |
| O2E | 158.05 | 126.01 |
| O3E | 141.05 | 119.33 |
| O1 | 77.85 | 57.37 |
| O2 | 92.97 | 72.67 |
| O3 | 125.00 | 105.24 |
| O4 | 121.09 | 105.30 |
| O5 | 121.74 | 100.68 |
| O6 | 92.35 | 76.44 |
| O7 | 19.86 | 16.14 |

17. Off-base Housing Rental and Purchase

(a) Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994.

| Type Rental | Average Monthly Rent | | Average Monthly Utilities Cost |
|---------------------------------|----------------------|------------|--------------------------------|
| | Annual High | Annual Low | |
| Efficiency | 450 | 300 | 100 |
| Apartment (1-2 Bedroom) | 600 | 300 | 125 |
| Apartment (3+ Bedroom) | 675 | 600 | 130 |
| Single Family Home (3 Bedroom) | 600 | 500 | 150 |
| Single Family Home (4+ Bedroom) | 700 | 550 | 200 |
| Town House (2 Bedroom) | 500 | 450 | 130 |
| Town House (3+ Bedroom) | 575 | 500 | 150 |
| Condominium (2 Bedroom) | N/A | N/A | |
| Condominium (3+ Bedroom) | N/A | N/A | |

(b) What was the rental occupancy rate in the community as of 31 March 1994?

OVERALL 6.7% VACANCY RATE IS ALL THE DATA THAT IS AVAILABLE FROM NOV 93 HMA.

| Type Rental | Percent Occupancy Rate |
|---------------------------------|------------------------|
| Efficiency | |
| Apartment (1-2 Bedroom) | |
| Apartment (3+ Bedroom) | |
| Single Family Home (3 Bedroom) | |
| Single Family Home (4+ Bedroom) | |
| Town House (2 Bedroom) | |
| Town House (3+ Bedroom) | |
| Condominium (2 Bedroom) | |
| Condominium (3+ Bedroom) | |

(c) What are the median costs for homes in the area?

| Type of Home | Median Cost |
|---------------------------------|-------------|
| Single Family Home (3 Bedroom) | \$90,000 |
| Single Family Home (4+ Bedroom) | \$130,000 |
| Town House (2 Bedroom) | \$70,000 |
| Town House (3+ Bedroom) | \$85,000 |
| Condominium (2 Bedroom) | N/A |
| Condominium (3+ Bedroom) | N/A |

(d) For calendar year 1993, from the local MLS listings provide the number of 2, 3, and 4 bedroom homes available for purchase. Use only homes for which monthly payments would be within 90 to 110 percent of the E5 BAQ and VHA for your area.

N/A, NO MLS IN THIS REGION.

| Month | Number of Bedrooms | | |
|-----------|--------------------|---|----|
| | 2 | 3 | 4+ |
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |

(e) Describe the principle housing cost drivers in your local area.

A LIMITED SUPPLY AND SEASONAL TOURIST DEMAND CREATE VARYING MARKET PRICES AND AVAILABILITY. THE CLOSEST COMMUNITY WITH AVAILABLE RENTALS IS CHINCOTEAGUE WITH A FULLTIME POPULATION OF ABOUT 3,600 AND PEAK TOURIST SEASON POPULATION OF ABOUT 60,000.

Revised pg

18. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

| Rating | Number Sea Billets in the Local Area | Number of Shore billets in the Local Area |
|--------|--------------------------------------|---|
| FC | 0 | 41 |
| OS | 0 | 15 |
| ET | 0 | 9 |
| ST | 0 | 6 |
| RM | 0 | 6 |

19. Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

| Location | % Employees | Distance (mi) | Time(min) |
|------------------------|-------------|---------------|-----------|
| CHINCOTEAGUE, VA | 24 | 20 | 30 |
| SALISBURY/DELMAR, MD | 21 19% | 50 | 65 |
| POCOMOKE/SNOW HILL, MD | 30 27% | 20 | 30 |
| OCEAN CITY/BERLIN, MD | x 2% | 55 | 75 |
| ACCOMACK COUNTY, VA | 24 28% | 30 | 40 |

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page _____ of _____
UIC: 45534

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18. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

| Rating | Number Sea Billets in the Local Area | Number of Shore billets in the Local Area |
|--------|--------------------------------------|---|
| FC | 0 | 41 |
| OS | 0 | 15 |
| ET | 0 | 9 |
| ST | 0 | 6 |
| RM | 0 | 6 |

19. Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

| Location | % Employees | Distance (mi) | Time(min) |
|------------------------|-------------|---------------|-----------|
| CHINCOTEAGUE, VA | 24 | 20 | 30 |
| SALISBURY/DELMAR, MD | 21 | 50 | 65 |
| POCOMOKE/SNOW HILL, MD | 30 | 20 | 30 |
| OCEAN CITY/BERLIN, MD | 1 | 55 | 75 |
| ACCOMACK COUNTY, VA | 24 | 30 | 40 |

20. Complete the tables below to indicate the civilian educational opportunities available to service members stationed at the installation (to include any outlying sites) and their dependents:

(a) List the local educational institutions which offer programs available to dependent children. Indicate the school type (e.g. DODDS, private, public, parochial, etc.), grade level (e.g. pre-school, primary, secondary, etc.), what students with special needs the institution is equipped to handle, cost of enrollment, and for high schools only, the average SAT score of the class that graduated in 1993, and the number of students in that class who enrolled in college in the fall of 1994.

| Institution | Type | Grade Level(s) | Special Education Available | Annual Enrollment Cost per Student | 1993 Avg SAT/ACT Score | % HS Grad to Higher Educ | Source of Info |
|--|-----------|-----------------------------------|-----------------------------|------------------------------------|------------------------|--------------------------|----------------------|
| 10-PRESCHOOL 32-PRIMARY 11-SECONDARY | PUBLIC | PRESCHOOL PRIMARY SECONDARY | 2 | \$5,400 | 909 | 70% | MD STATE OF ED. |
| 2-PRIMARY | PAROCHIAL | PRIMARY | N/A | \$2,700 | | | * |
| 1-PRE-SCHOOL 1-PRIMARY | PRIVATE | PRESCHOOL PRIMARY | N/A | \$5,100 | 1260 | 100% | ** |
| 5-ELEMENTARY 6-HIGH SCHOOLS | PUBLIC | K-5 6-12 | ALL | NOT AVAIL | 800 | 45% | ACCNTY SCHL BD |
| 1- PRE-K THRU 12 | PRIVATE | PRE-K THRU 12 | ALL | \$3,500 | 1000 | 100% | SCHOO L GUID OFFIC E |

* ST. FRANCIS DE SALES; SALISBURY CHRISTAIN SCHOOL; ** SALISBURY SCHOOL; WORCESTER COUNTRY SCHOOL

(b) List the educational institutions within 30 miles which offer programs off-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies.

| Institution | Type Classes | Program Type(s) | | | | |
|--|--------------|-------------------|-----------------------|---------------|----------------|----------|
| | | Adult High School | Vocational/ Technical | Undergraduate | | Graduate |
| | | | | Courses only | Degree Program | |
| UNIV OF MD EASTERN SHORE PRINCESS ANNE, MD | Day | YES | YES | YES | YES | YES |
| | Night | YES | YES | YES | YES | YES |
| EASTERN SHORE COMMUNITY COLLEGE, MELFA, VA | Day | YES | YES | YES | YES | |
| | Night | YES | YES | YES | YES | |
| | Day | | | | | |
| | Night | | | | | |
| | Day | | | | | |
| | Night | | | | | |

(c) List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies.

| Institution | Type Classes | Program Type(s) | | | | |
|----------------------|----------------|-------------------|-----------------------|---------------|----------------|----------|
| | | Adult High School | Vocational/ Technical | Undergraduate | | Graduate |
| | | | | Courses only | Degree Program | |
| NASA WALLOPS IS., VA | Day | | YES | | | |
| | Night | | | | | YES |
| | Correspondence | | | | | |
| ACSC | Day | | | | | |
| | Night | | | | | |
| | Correspondence | YES | YES | YES | YES | |
| | Day | | | | | |
| | Night | | | | | |
| | Correspondence | | | | | |
| | Day | | | | | |
| | Night | | | | | |
| | Correspondence | | | | | |

21. Spousal Employment Opportunities.

Provide the following data on spousal employment opportunities.

| Skill Level | Number of Military Spouses Served by Family Service Center Spouse Employment Assistance | | | Local Community Unemployment Rate |
|---------------|---|------|------|-----------------------------------|
| | 1991 | 1992 | 1993 | |
| Professional | 0 | 0 | 0 | SEE NOTE |
| Manufacturing | 0 | 0 | 0 | |
| Clerical | 0 | 0 | 0 | |
| Service | 0 | 0 | 0 | |
| Other | | | | |

NOTE: LOCAL UNEMPLOYMENT RATES ARE NOT AVAILABLE IN THE BREAKOUT SHOWN. AVERAGE UNEMPLOYMENT RATES ARE SEASONAL BASED ON TOURISM AND COMMERCIAL FISHING WITH A HIGH AVERAGE OF 15% IN JAN 94 TO A LOW AVERAGE OF 5% IN JUL 93.

22. Medical/Dental.

a. Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response. NO

b. Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? YES. Develop the why of your response.

REMOTE LOCATION AND LIMITED SELECTION OF DOCTORS DUE TO LACK OF OTHER MILITARY POPULATIONS IN THE AREA. MANY DOCTORS/DENTISTS DO NOT ACCEPT CHAMPUS.

23 **Crime Rate.** Complete the table below to indicate the crime rate for your command for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in NCIS - Manual dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should include 1) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; and 2) all reported criminal activity off base.

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 1. Arson (6A) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 2. Blackmarket (6C) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 3. Counterfeiting (6G) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 4. Postal (6L) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 5. Customs (6M) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 6. Burglary (6N) | 0 | 0 | 1 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | 0 | 0 | 1 |
| Off Base Personnel - civilian | | | |
| 7. Larceny - Ordnance (6R) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 8. Larceny - Government (6S) | 0 | 1 | 1 |
| Base Personnel - military | | | |
| Base Personnel - civilian | 0 | 0 | 1 |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | 0 | 1 | 0 |

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 9. Larceny - Personal (6T) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 10. Wrongful Destruction (6U) | 1 | 0 | 1 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | 1 | 0 | 1 |
| 11. Larceny - Vehicle (6V) | | | |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 12. Bomb Threat (7B) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 13. Extortion (7E) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 14. Assault (7G) | 1 | 0 | 0 |
| Base Personnel - military | 1 | 0 | 0 |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 15. Death (7H) | 1 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | 1 | 0 | 0 |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 16. Kidnapping (7K) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 18. Narcotics (7N) | 0 | 1 | 0 |
| Base Personnel - military | 0 | 1 | 0 |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 19. Perjury (7P) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 20. Robbery (7R) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 21. Traffic Accident (7T) | 1 | 1 | 4 |
| Base Personnel - military | 0 | 0 | 2 |
| Base Personnel - civilian | 1 | 1 | 0 |
| Off Base Personnel - military | 0 | 0 | 2 |
| Off Base Personnel - civilian | 0 | 0 | 1 |

| Crime Definitions | FY 1991 | FY 1992 | FY 1993 |
|-------------------------------|---------|---------|---------|
| 22. Sex Abuse - Child (8B) | 0 | 1 | 1 |
| Base Personnel - military | | | |
| Base Personnel - civilian | 0 | 1 | 0 |
| Off Base Personnel - military | 0 | 0 | 1 |
| Off Base Personnel - civilian | | | |
| 23. Indecent Assault (8D) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |
| 24. Rape (8F) | 0 | 0 | 1 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | 0 | 0 | 1 |
| 25. Sodomy (8G) | 0 | 0 | 0 |
| Base Personnel - military | | | |
| Base Personnel - civilian | | | |
| Off Base Personnel - military | | | |
| Off Base Personnel - civilian | | | |

Kenner PJ

BRAC 95, DATA CALL #5
REVISION #2

FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

| | |
|-------------------------|---|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Functional Support Area | 3.3 COMBAT SYSTEMS INTEGRATION; SURFACE |
| Life Cycle Work Area | 14. LIFE-TIME SUPPORT; IN-SERVICE ENGINEERING |

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget.

66 WYS

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. \$(K)1974

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FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

| | |
|-------------------------|--|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Functional Support Area | 3.3 COMBAT SYSTEMS INTEGRATION; SURFACE 10.1.3 GENERAL MISSION SUPPORT; PERSONNEL AND TRAINING; SURFACE SHIP-RELATED TRAINING SYSTEMS |
| Life Cycle Work Area | 14. LIFE-TIME SUPPORT; IN-SERVICE ENGINEERING 17. GENERAL; TRAINING/OPERATIONAL SUPPORT |

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget.

90 WYS
86

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c.u
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2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. \$(K)7,044



FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

| | |
|-------------------------|--|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Functional Support Area | 3.3 COMBAT SYSTEMS INTEGRATION; SURFACE 10.1.3 GENERAL MISSION SUPPORT; PERSONNEL AND TRAINING; SURFACE SHIP-RELATED TRAINING SYSTEMS |
| Life Cycle Work Area | 14. LIFE-TIME SUPPORT; IN-SERVICE ENGINEERING 17. GENERAL; TRAINING/OPERATIONAL SUPPORT |

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget.

90 WYS

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. \$(K)7,044

Revised pg

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding.

\$(K)3151

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. **\$(K)0**

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

~~b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding.
\$(K)8,552~~

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K)0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

Revised pg

FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

| | |
|-------------------------|---|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Functional Support Area | 10.1.3 GENERAL MISSION SUPPORT; PERSONNEL AND TRAINING; SURFACE SHIP-RELATED TRAINING SYSTEMS |
| Life Cycle Work Area | 17. GENERAL; TRAINING/OPERATIONAL SUPPORT |

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget.

20 WYS

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. \$(K)548

Revised pg

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding.

\$(K)1040

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. **\$(K)0**

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TAB A

TECHNICAL OPERATIONS

FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

TAB B
SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM

**SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

| | |
|---|--------------------------------------|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Facility/Equipment Nomenclature or Title | COMBAT INFORMATION CENTER LABS |

1. State the primary purpose(s) of the facility/equipment.

TO SIMULATE AN AEGIS-CLASS SHIP COMBAT INFORMATION CENTER AND SUPPORTING COMPUTERS AND SENSORS FOR PURPOSES OF LIFETIME SUPPORT ENGINEERING ASSESSMENT, IN-SERVICE ENGINEERING ASSESSMENT, AND OPERATIONS AND MAINTENANCE TRAINING.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.

FIXED.

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

THE ESTIMATED COST OF THE EQUIPMENT IN THE CIC LAB FACILITY IS \$496M.

4. Provide the gross weight and cube of the facility/equipment.

1611 TONS (EST.) CUBE: 70,000 FT3 (EST.)

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

FACILITY REQUIRES "NORMAL" ELECTRICAL, WATER, AND PHONE SERVICES.

TAB B
Page ___ of ___
UIC: _____

6. ,Indicate any special budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.).

FACILITY REQUIRES A FOUNDATION CAPABLE OF SUPPORTING THE EQUIPMENT MAST. THE BUILDING SHOULD BE SHIELDED TO TEMPEST STANDARDS FOR SECURITY PURPOSES.

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

MOST OF THE TACTICAL EQUIPMENT IS WATER COOLED. THE TEMPERATURE AND HUMIDITY IN THE EQUIPMENT ROOMS NEEDS TO BE REGULATED.

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

IF THIS FACILITY WERE LOST, IT COULD NOT BE FULLY REPLICATED WITH EXISTING LAND-BASED ASSETS. TESTING OF CHANGES TO SOFTWARE OR HARDWARE WOULD HAVE TO BE DONE ABOARD AN AEGIS CRUISER OR DESTROYER. NEITHER THE AEGIS COMBAT SYSTEMS ENGINEERING DEVELOPMENT SITE (CSEDS) FACILITY AT MOORESTOWN, NJ NOR THE AEGIS TRAINING CENTER (ATC)/AEGIS COMPUTER CENTER (ACC) AT NSWC DAHLGREN, VA COULD PROVIDE EITHER THE FACILITIES OR ENVIRONMENT PROVIDED BY ACSC. THE MOORESTOWN FACILITY ONLY POSSESSES THE LATEST HARDWARE, AND CAN NOT SUPPORT ENGINEERING CHANGES TO OLDER BASELINES. THE DAHLGREN FACILITY HAS EXTREMELY LIMITED SENSOR CAPABILITY WHICH LIMITS REALISTIC INTERFACE TESTING, IS UNABLE TO RADIATE, AND IS AT CAPACITY WITH ITS PRESENT MISSION. NEITHER FACILITY IS LOCATED ON THE OCEAN, WHICH LIMITS FIDELITY WHEN TESTING SENSORS, AND THE CAPABILITY TO USE COOPERATIVE NAVY SURFACE UNITS.

TAB B
Page ____ of ____
UIC: _____



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9. Indicate how and when the facility/equipment was transported and or constructed at the site.

THE FACILITY WAS CONSTRUCTED STARTING IN 1985, AND EQUIPMENT WAS DELIVERED VIA NORMAL COMMERCIAL TRUCK TRANSPORT IN THE FOLLOWING YEARS.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support. Refer to Appendix A for the list of functional support areas.

3.3 COMBAT SYSTEM INTEGRATION; SURFACE
10.1.3 GENERAL MISSION SUPPORT; PERSONNEL AND TRAINING; SURFACE
SHIP-RELATED TRAINING SYSTEMS

11. Provide the historical utilization average for the past five fiscal years (1989-1993). Define the unit of measure used.

| | | | | | |
|-------|------|-------|-------|-------|-------|
| CY | 89 | 90 | 91 | 92 | 93 |
| HOURS | 9539 | 13301 | 18555 | 19160 | 21147 |

THESE REPRESENT THE NUMBER OF HOURS THE SITE WAS USED PER YEAR. BECAUSE THE LABS CAN SUPPORT MULTIPLE USERS SIMULTANEOUSLY, THE NUMBER OF UTILIZATION HOURS IS GREATER THAN THE NUMBER OF CLOCK HOURS IN A YEAR.

12. Provide the projected utilization data out to FY1997.

| | | | | |
|-------|-------|-------|-------|-------|
| CY | 94 | 95 | 96 | 97 |
| HOURS | 22200 | 23300 | 24500 | 25700 |

THE ESTIMATED NUMBER OF HOURS WAS OBTAINED BY PROJECTING A 5% INCREASE IN UTILIZATION PER YEAR OVER 1993 USAGE. THIS IS BASED ON AN INCREASING NUMBER OF AEGIS SHIPS IN THE FLEET DUE TO THE CONTINUING CONSTRUCTION OF DDG 51 CLASS DESTROYERS DURING THIS PERIOD.

TAB B
Page ___ of ___
UIC: _____

Encl (1)

End()



13. What is the approximate number of personnel used to operate the facility/equipment?

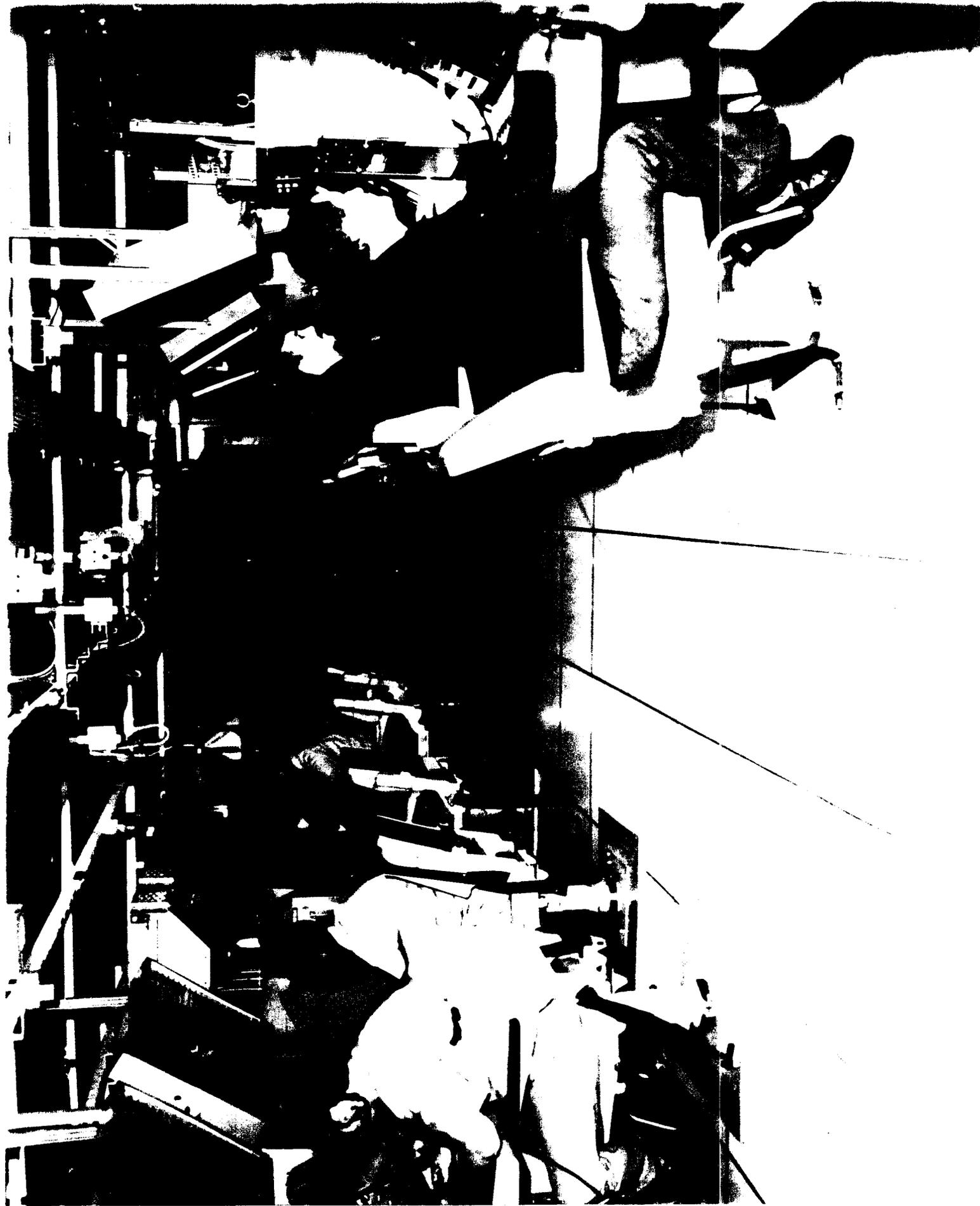
APPROXIMATELY 28 WORK YEARS ARE EXPENDED TO OPERATE THE EQUIPMENT EACH YEAR.

14. What is the approximate number of personnel needed to maintain the equipment?

APPROXIMATELY 29 WORK YEARS ARE EXPENDED TO MAINTAIN THE EQUIPMENT EACH YEAR.

15. Provide one 8 1/2 x 11 black and white photo of the facility/equipment.

TAB B
Page ____ of ____
UIC: _____





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BRAC95 DATA CALL 5
REVISION 2

Revised 1/97

SPECIAL FACILITIES AND EQUIPMENT FACILITIES/EQUIPMENT CAPABILITY FORM

| | |
|--|---|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Facility/Equipment Nomenclature or Title | COMPUTER AIDED SUBMODE TRAINING (CAST) LABS |

1. State the primary purpose(s) of the facility/equipment.

TO PROVIDE OPERATOR TRAINING IN THE USE OF SHIPBOARD TACTICAL CONSOLES.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.

MOVEABLE.

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

APPROXIMATE REPLACEMENT COST IS \$3.9M
 22 CONSOLES @ \$ 54K = \$1188K
 15 CONSOLES @ \$150K = 2250K
 UYK-43 @ \$400K = 400K

\$3838K

4. Provide the gross weight and cube of the facility/equipment.

GROSS WT: ^{18,750}~~32000~~ LBS. (EST.) CUBE: 500 FT3 (EST.)

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

SOME OF THE CAST CONSOLES ARE WATER COOLED.

Handwritten notes: 18750, 32000



**SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

| | |
|---|--|
| Technical Center Site | AEGIS COMBAT SYSTEMS CENTER |
| Facility/Equipment Nomenclature or Title | COMPUTER AIDED SUBMODE TRAINING (CAST) LABS |

1. State the primary purpose(s) of the facility/equipment.

TO PROVIDE OPERATOR TRAINING IN THE USE OF SHIPBOARD TACTICAL CONSOLES.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.

MOVEABLE.

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

APPROXIMATE REPLACEMENT COST IS \$3.9M

22 CONSOLES @ \$ 54K = \$1188K

15 CONSOLES @ \$150K = 2250K

UYK-43 @ \$400K = 400K

\$3838K

4. Provide the gross weight and cube of the facility/equipment.

GROSS WT: 32000 LBS. (EST.) CUBE: 500 FT3 (EST.)

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

SOME OF THE CAST CONSOLES ARE WATER COOLED.

6. Indicate any special budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.).

CONSOLES ARE INSTALLED ON A RAISED FLOOR, IN A ROOM SHIELDED TO MEET TEMPEST STANDARDS.

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

TEMPERATURE AND HUMIDITY MUST BE REGULATED FOR PROPER CAST CONSOLE OPERATION.

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

SIMILAR FACILITIES ARE AVAILABLE AT NSWC DAHLGREN, AND THE CONSOLES AT ACSC COULD BE MOVED TO ANY FACILITY WHICH HAD SUFFICIENT SPACE AND UTILITIES TO HOUSE THEM. LOSS OF THESE CONSOLES AT ACSC WOULD ADVERSELY IMPACT THE TRAINING MISSION AT ACSC, RESULTING IN EXTENDING THE TIME IT TAKES TO TRAIN NAVY CREW.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

THE FIRST CAST LAB WAS OPERATIONAL IN FY91. THE SECOND CAST LAB WAS POPULATED IN 1993. THE EQUIPMENT WAS DELIVERED BY NORMAL COMMERCIAL TRUCK TRANSPORT.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support. Refer to Appendix A for the list of functional support areas.

3.3 COMBAT SYSTEM INTEGRATION; SURFACE

10.1.3 GENERAL MISSION SUPPORT; PERSONNEL AND TRAINING; SURFACE SHIP-RELATED TRAINING SYSTEMS

11. Provide the historical utilization average for the past five fiscal years (1989-1993). Define the unit of measure used.

| | | | | | |
|-------|----|----|------|------|-----|
| FY | 89 | 90 | 91 | 92 | 93 |
| HOURS | 0 | 0 | 1056 | 1120 | 896 |

THE CAST LABS WERE FIRST AVAILABLE IN FY91. USAGE BASED ON 32 HOURS PER OPERATOR CLASS TAUGHT BY AEGIS TRAINING UNIT (ATU).

12. Provide the projected utilization data out to FY1997.

| | | | | |
|-------|------|------|------|------|
| FY | 94 | 95 | 96 | 97 |
| HOURS | 1000 | 1000 | 1000 | 1000 |

13. What is the approximate number of personnel used to operate the facility/equipment?

ZERO. ACSC DOES NOT PROVIDE OPERATORS FOR THIS EQUIPMENT; THEY ARE PROVIDED BY ATU.

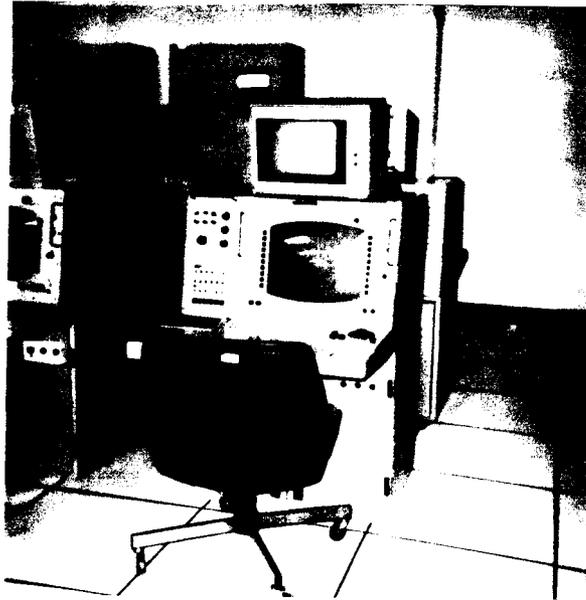
14. What is the approximate number of personnel needed to maintain the equipment?

1

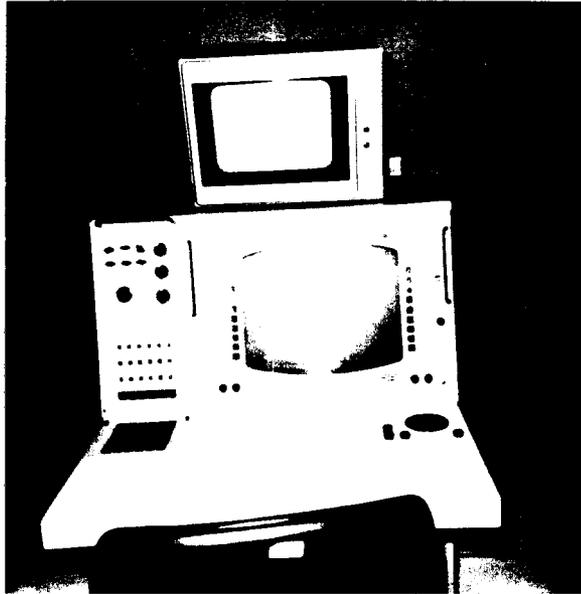
15. Provide one 8 1/2 x 11 black and white photo of the facility/equipment.

N/A TO AEGIS COMBAT SYSTEMS CENTER
UIC: 45534

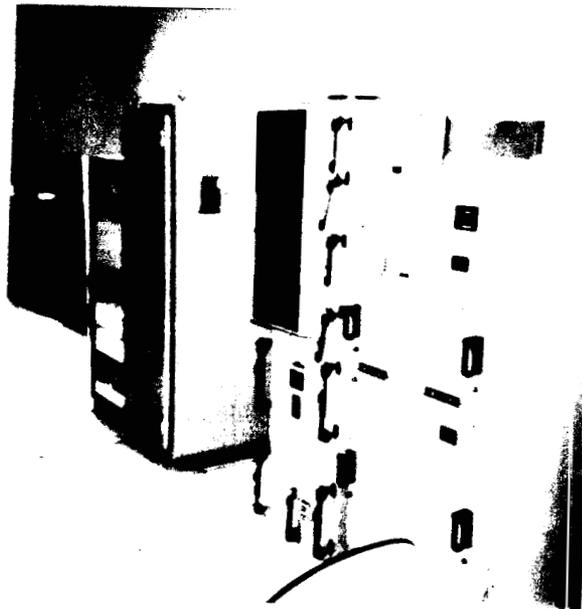
TAB C
RANGE RESOURCES
RANGE CAPABILITY FORM



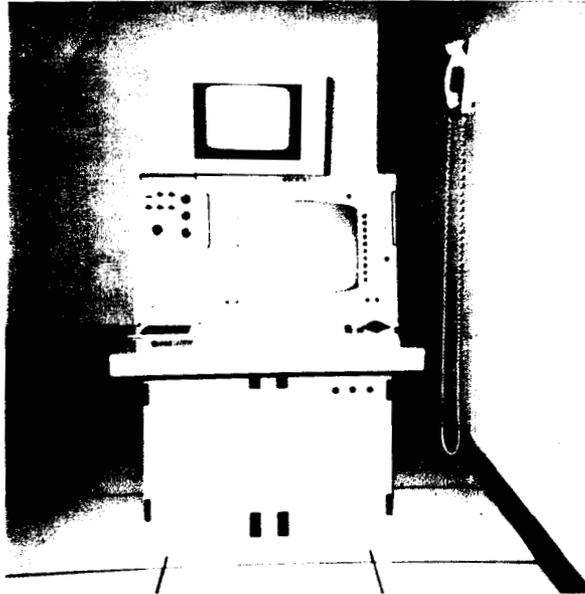
1 of 22 CAST Consoles in building V-20
There are 15 similar consoles in building R-30.



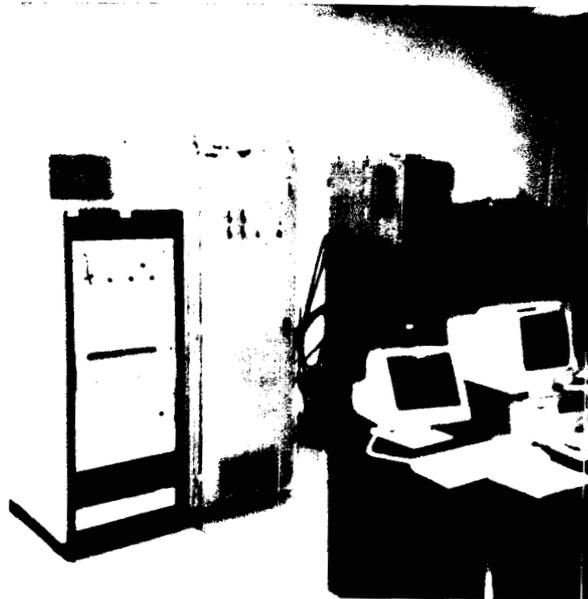
1 of 22 CAST Consoles in building V-20
There are 15 similar consoles in building R-30.



The Tape Drive emulator, UYK-43, and UYH-3 which support the CAST consoles in building V-20.



1 of 22 CAST Consoles in building V-20
There are 15 similar consoles in building R-30.



The Tape Drive emulator, UYK-43, UYH-3, and operator's console for the CAST system in building V-20.

BRAC-95 CERTIFICATION

DATA CALL #5

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT. USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

10 May 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity



196
Pg 4, 8, 10-12, 23, 24, 30, 32, 34, 35 JL
AEGIS CSC + Encl (1) pg 1
DATA CALL #5 REVISION #1
SEA OK
8/12/94

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MANAGER
Title
AEGIS PROGRAM MANAGER
Activity

[Signature]
Signature
2/14/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Commander
Title
Sea Systems Command
Activity

[Signature]
Signature
8-11-94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)
ACTING
Title

[Signature]
Signature
17 AUG 1994
Date



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R.B Moore
Signature

COMMANDING OFFICER
Title

13 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (12)



AEGIS CSC
DATA CALL #5 REVISION #2
encl(1) pg 1, 2 encl(2) pg 1, 2
JL

SEA06x
8/12/94

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS

NAME (Please type or print)
DEPUTY AEGIS PROGRAM MANAGER

Title
AEGIS PROGRAM MANAGER

Activity

Signature

Date

[Handwritten Signature]
7/27/94

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)~~

~~Title~~

~~Activity~~

~~Signature~~

~~Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER

NAME (Please type or print)

Title *Commander*
Naval Sea Systems Command

Activity

Signature

Date

[Handwritten Signature]
8-11-94

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.

NAME (Please type or print)
ACTING

Title

Signature

Date

[Handwritten Signature]
17 AUG 1994



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R.B. Moore
Signature

COMMANDING OFFICER
Title

22 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (3)



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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MANAGER
Title
AEGIS PROGRAM MANAGER
Activity

John J. Kuesters
Signature
8/18/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

E. S. MCGINLEY, II
NAME (Please type or print)
ACTING DEPUTY
Title
Commander
Naval Sea Systems Command
Activity

E. S. McGinley, II
Signature
8/22/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)
Title

W. A. Earner
Signature
9/1/94
Date



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT, USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

8 AUG 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (2)





AEGIS CSC WALLOPS ISLAND
RESUBMISSION OF DATA CALL #5, PAGE 3 OF TAB B.

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

NEXT ECHELON LEVEL (if applicable)

186

ROBERT MCKEE
NAME (Please type or print)
DEPUTY AEGIS PROGRAM
MANAGER (ACTING)
Title
AEGIS PROGRAM MANAGER (PMS 400)
Activity

[Signature]
Signature
10/31/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

E. S. MCGINLEY, II RADM, USN
NAME (Please type or print)
Acting Commander
Title
Naval Sea Systems Command
Activity

[Signature]
Signature
11/2/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)
W. A. EARNER

NAME (Please type or print)
Title

[Signature]
Signature
11/15/94
Date



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

ACTIVITY COMMANDER

R. B. MOORE
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

27 Oct 94
Date

REGIS COMBAT SYSTEMS CENTER
WALLERS ISLAND, VA
Activity

Encl (2)



ACTIVITY CERTIFIED: AEGIS CSC WAUWOPS IS.
DATA CALL #5

JL
SEA 091X
5/12/94

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

NEXT ECHELON LEVEL (if applicable)

J. J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROG MGR
Title
AEGIS PROGRAM OFFICE
Activity

[Signature]
Signature
5/12/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Commander
Title
Naval Sea Systems Command
Activity

[Signature]
Signature
5-13-94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR
NAME (Please type or print)
ACTIMS
Title

[Signature]
Signature
2 JUN 94
Date



Document Separator

3. ACTIVITY TYPE: Choose most appropriate type that describes your activity and completely answer all questions.

• HOST COMMAND: A host command is an activity that provides facilities for its own functions and the functions of other (tenant) activities. A host has accountability for Class 1 (land), and/or Class 2 (buildings, structures, and utilities) property, regardless of occupancy. It can also be a tenant at other host activities.

• Yes X No (check one)

NOTE: ACSC DOES NOT OWN ANY LAND. HOWEVER, WE REPORT TO NAVFACENCOM CLASS 1 IN-GRANTED PROPERTY AND WE DO HOLD CLASS 2 PROPERTY FOR ALL ACSC NAVAL FACILITIES INCLUDING SELECTED UTILITIES.

• TENANT COMMAND: A tenant command is an activity or unit that occupies facilities for which another activity (i.e., the host) has accountability. A tenant may have several hosts, although one is usually designated its primary host. If answer is "Yes," provide best known information for your primary host only.

• Yes X No (check one)

• Primary Host (current) UIC: NASA

• Primary Host (as of 01 Oct 1995) UIC: NASA

• Primary Host (as of 01 Oct 2001) UIC: NASA

NOTE: HOWEVER, ALTHOUGH ACSC IS A TENANT ON A NASA FACILITY, ACSC DOES HOST OTHER NAVY UIC'S AS TENANTS.

• INDEPENDENT ACTIVITY: For the purposes of this Data Call, this is the "catch-all" designator, and is defined as any activity not previously identified as a host or a tenant. The activity may occupy owned or leased space. Government Owned/Contractor Operated facilities should be included in this designation if not covered elsewhere.

• Yes No X (check one)

SPECIAL AREAS: List all Special Areas. Special Areas are defined as Class 1/Class 2 property for which your command has responsibility that is not located on or contiguous to main complex.

| Name | Location | UIC |
|-------|----------|-----|
| NONE. | | |

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5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

| Name | UIC | Location | Host name | Host UIC |
|-------|-----|----------|-----------|----------|
| NONE. | | | | |

6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

NO.

7. MISSION: Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91, -93 action(s).

Current Missions

- TO AFFORDABLY REPLICATE THE COMBAT SYSTEMS OF ALL AEGIS SHIPS SO THAT A COMBINED AEGIS PROGRAM TEAM OF MILITARY, CIVIL SERVICE, AND CONTRACTOR PERSONNEL CAN:
 - . INSTALL PROTOTYPE UPGRADES TO VERIFY THEY ARE EFFECTIVE AND READY FOR FLEET INTRODUCTION.
 - . TRAIN COMMISSIONING AND REPLACEMENT CREWS.
 - . PARTICIPATE IN FLEET OPERATIONS, RESEARCH AND DEVELOPMENT INITIATIVES, AND MAJOR EXERCISES.
 - . FULLY TEST REVISED VERSIONS OF AEGIS WEAPON SYSTEM COMPUTER PROGRAMS.
 - . INVESTIGATE AND CORRECT REPORTED PROBLEMS.

Projected Missions for FY 2001

- SAME AS STATED FOR CURRENT MISSIONS.

8. **UNIQUE MISSIONS:** Describe any missions which are unique or relatively unique to the activity. Include information on projected changes. Indicate if your command has any National Command Authority or classified mission responsibilities.

Current Unique Missions

- ACSC IS THE ONLY AEGIS CONFIGURED LAND-BASED SYSTEMS ENGINEERING TEST SITE LOCATED IN A MARITIME ENVIRONMENT IN CLOSE PROXIMITY TO NAVY-CONTROLLED AIR SPACE, AND AWAY FROM MAJOR METROPOLITAN AREAS WITH THEIR ATTENDANT ELECTROMAGNETIC RADIATION LIMITATIONS.
- ACSC IS THE ONLY SITE WITH COMBAT SYSTEMS CAPABLE OF REPRESENTING EACH OPERATIONAL SHIP IN THE AEGIS FLEET WITH HIGH FIDELITY THROUGH BASELINE SHARING OF COMMON SYSTEMS ELEMENTS AND SOPHISTICATED SWITCHING.

Projected Unique Missions for FY 2001

- POTENTIAL OF ACSC INTEGRATING WITH THE SHIP SELF-DEFENSE COMBAT SYSTEMS ENGINEERING FACILITY, THUS PROVIDING A CAPABILITY TO SUPPORT COMBAT SYSTEMS TESTING FOR THE ENTIRE SURFACE COMBATANT COMMUNITY IN THE NAVY.

9. **IMMEDIATE SUPERIOR IN COMMAND (ISIC):** Identify your ISIC. If your ISIC is not your funding source, please identify that source in addition to the operational ISIC.

- | | |
|---------------------------------------|--------------|
| • Operational name | UIC |
| <u>AEGIS PROGRAM MANAGER, PMS-400</u> | <u>48159</u> |
| • Funding Source | UIC |
| <u>Commander</u> | <u>00024</u> |
| Naval Sea System Command | |
| 2531 Jefferson Davis Highway | |
| Arlington VA 22242-5160 | |

Revised pg

45534

10. PERSONNEL NUMBERS: Host activities are responsible for totalling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

On Board Count as of 01 January 1994

| | Officers | Enlisted | Civilian (Appropriated) |
|---------------------|-----------|--|-------------------------|
| • Reporting Command | <u>10</u> | <u>81</u> 77 / <i>RBM C.C. 12/2/94</i> | <u>40</u> |
| • Tenants (total) | <u>4</u> | <u>28</u> | <u>1</u> |

NOTE: TENANT TOTALS DO NOT INCLUDE AEGIS TRAINING UNIT (STUDENTS) UIC 41968. THERE WERE NO STUDENTS HERE ON 1 JANUARY 1994 AS NO CLASSES WERE IN SESSION.

Authorized Positions as of 30 September 1994

| | Officers | Enlisted | Civilian (Appropriated) |
|--|----------|------------|-------------------------|
| • Reporting Command | <u>9</u> | <u>101</u> | <u>44</u> |
| • Tenants (total) (EXCLUDING UIC 41968) | <u>6</u> | <u>31</u> | <u>2</u> |

NOTE(1): AEGIS TRAINING UNIT (STUDENTS) ARE CONSIDERED TRANSIENT AND THEREFORE ONLY AVERAGE ON-BOARD (AOB) COUNT IS USED. THERE ARE NO PERMANENT OFFICER/ENLISTED/CIVIL SERVICE ASSIGNED TO UIC 41968. AOB IS 24 OFFICERS, 15 ENLISTED AND 0 CIVILIANS.

NOTE(2): MILITARY NUMBERS BASED ON CURRENT AUTHORIZED MANPOWER DOCUMENTS.

11. KEY POINTS OF CONTACT (POC): Provide the work, FAX, and home telephone numbers for the Commanding Officer or OIC, and the Duty Officer. Include area code(s). You may provide other key POCs if so desired in addition to those above.

| | <u>Title/Name</u> | <u>Office</u> | <u>Fax</u> | <u>Home</u> |
|---|-------------------------------|---------------|--------------|--------------|
| • | CO/OIC | | | |
| • | <u>R.B. MOORE, CAPT. USN</u> | 804-824-2272 | 804-824-2043 | 410-860-4757 |
| • | <u>DUTY OFFICER (OOD/CDO)</u> | 804-824-2058 | 804-824-1980 | 804-824-2068 |

ENC (1)



10. PERSONNEL NUMBERS: Host activities are responsible for totalling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

On Board Count as of 01 January 1994

| | Officers | Enlisted | Civilian (Appropriated) |
|---------------------|-----------|-----------|-------------------------|
| • Reporting Command | <u>10</u> | <u>81</u> | <u>40</u> |
| • Tenants (total) | <u>4</u> | <u>28</u> | <u>1</u> |

NOTE: TENANT TOTALS DO NOT INCLUDE AEGIS TRAINING UNIT (STUDENTS). THERE WERE NO STUDENTS HERE ON 1 JANUARY 1994 AS NO CLASSES WERE IN SESSION.

Authorized Positions as of 30 September 1994

| | Officers | Enlisted | Civilian (Appropriated) |
|--|----------|------------|-------------------------|
| • Reporting Command | <u>9</u> | <u>101</u> | <u>44</u> |
| • Tenants (total) (EXCLUDING UIC 41968) | <u>6</u> | <u>31</u> | <u>2</u> |

NOTE(1): AEGIS TRAINING UNIT (STUDENTS) ARE CONSIDERED TRANSIENT AND THEREFORE ONLY AVERAGE ON-BOARD (AOB) COUNT IS USED. THERE ARE NO PERMANENT OFFICER/ENLISTED/CIVIL SERVICE ASSIGNED TO UIC 41968. AOB IS 24 OFFICERS, 15 ENLISTED AND 0 CIVILIANS.

NOTE(2): MILITARY NUMBERS BASED ON CURRENT AUTHORIZED MANPOWER DOCUMENTS.

11. KEY POINTS OF CONTACT (POC): Provide the work, FAX, and home telephone numbers for the Commanding Officer or OIC, and the Duty Officer. Include area code(s). You may provide other key POCs if so desired in addition to those above.

| | <u>Title/Name</u> | <u>Office</u> | <u>Fax</u> | <u>Home</u> |
|---|-------------------------------|---------------|--------------|--------------|
| • | CO/OIC | | | |
| • | <u>R.B. MOORE, CAPT. USN</u> | 804-824-2272 | 804-824-2043 | 410-860-4757 |
| • | <u>DUTY OFFICER (OOD/CDO)</u> | 804-824-2058 | 804-824-1980 | 804-824-2068 |

12. **TENANT ACTIVITY LIST:** This list must be all-inclusive. Tenant activities are to ensure that their host is aware of their existence and any "subleasing" of space. This list should include the name and UIC(s) of all organizations, shore commands and homeported units, active or reserve, DOD or non-DOD (include commercial entities). The tenant listing should be reported in the format provide below, listed in numerical order by UIC, separated into the categories listed below. Host activities are responsible for including authorized personnel numbers, on board as of **30 September 1994**, for all tenants, even if those tenants have also been asked to provide this information on a separate Data Call. (Civilian count shall include Appropriated Fund personnel only.)

- Tenants residing on main complex (shore commands)

| Tenant Command Name | UIC | Officer | Enlist | Civilian |
|---|-------|---------|--------|----------|
| AEGIS TRAINING UNIT (STUDENTS) AOB: | 41968 | 24 | 15 | 0 |
| AEGIS TRAINING UNIT (STAFF) | 45953 | 6 | 27 | 2 |
| NAVAL BRANCH MEDICAL CLINIC, WALLOPS ISLAND, VA | 48167 | 0 | 2 | 0 |
| CUSTOMER SERVICE DETACHMENT, WALLOPS ISLAND, VA | 49675 | 0 | 2 | 0 |

- Tenants residing on complex (homeported units.)

| Tenant Command Name | UIC | Officer | Enlist | Civilian |
|---------------------|-----|---------|--------|----------|
| NONE. | | | | |

- Tenants residing in Special Areas (Special Areas are defined as real estate owned by host command not contiguous with main complex; e.g. outlying fields).

| Tenant Command Name | UIC | Location | Officer | Enlist | Civilian |
|---------------------|-----|----------|---------|--------|----------|
| NONE. | | | | | |

- Tenants (Other than those identified previously)

| Tenant Command Name | UIC | Location | Officer | Enlist | Civilian |
|---------------------|-----|----------|---------|--------|----------|
| NONE. | | | | | |

13. **REGIONAL SUPPORT:** Identify your relationship with other activities, not reported as a host/tenant, for which you provide support. Again, this list should be all-inclusive. The intent of this question is capture the full breadth of the mission of your command and your customer/supplier relationships. Include in your answer any Government Owned/Contractor Operated facilities for which you provide administrative oversight and control.

| Activity name | Location | Support function (include mechanism such as ISSA, MOU, etc.) |
|--|-------------------------|---|
| <i>NAVAL SURFACE WARFARE CENTER, PORT HUENEME DIVISION</i> | <i>PORT HUENEME, CA</i> | <i>SUPPORTS IN-SERVICE ENGINEERING (ISE). ISE CONSISTS OF ENGINEERING TO ADDRESS EMERGENT SHIPBOARD PROBLEMS TO MAINTAIN DAY-TO-DAY OPERATIONAL READINESS OF AEGIS SHIPS.</i> |
| <i>NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION</i> | <i>DAHLGREN, VA</i> | <i>SUPPORTS LIFETIME SUPPORT ENGINEERING. LSE CONSISTS OF ENGINEERING AND TECHNICAL SUPPORT THAT ENSURES THE ATTAINMENT AND CONTINUED ENHANCEMENT OF THE OPERATIONAL CAPABILITY OF THE AEGIS COMBAT SYSTEM (ACS) TO ELIMINATE COMBAT SYSTEMS INADEQUACIES BROUGHT ABOUT BY THREAT OR MISSION CHANGES.</i> |

14. **FACILITY MAPS:** This is a primary responsibility of the plant account holders/host commands. Tenant activities are not required to comply with submission if it is known that your host activity has complied with the request. Maps and photos should not be dated earlier than 01 January 1991, unless annotated that no changes have taken place. Any recent changes should be annotated on the appropriate map or photo. Date and label all copies.

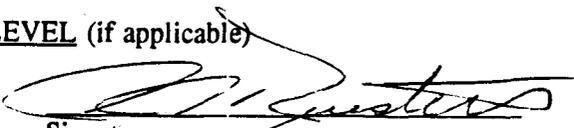
- **Local Area Map.** This map should encompass, at a minimum, a 50 mile radius of your activity. Indicate the name and location of all DoD activities within this area, whether or not you support that activity. Map should also provide the geographical relationship to the major civilian communities within this radius. (Provide 12 copies.)

- Installation Map / Activity Map / Base Map / General Development Map / Site Map. Provide the most current map of your activity, clearly showing all the land under ownership/control of your activity, whether owned or leased. Include all outlying areas, special areas, and housing. Indicate date of last update. Map should show all structures (numbered with a legend, if available) and all significant restrictive use areas/zones that encumber further development such as HERO, HERP, HERF, ESQD arcs, agricultural/forestry programs, environmental restrictions (e.g., endangered species). (Provide in two sizes: 36"x 42" (2 copies, if available); and 11"x 17" (12 copies).)
- Aerial photo(s). Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8½"x 11".)
- Air Installations Compatible Use Zones (AICUZ) Map. (Provide 12 copies.)

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

NEXT ECHELON LEVEL (if applicable)

J. J. KUESTERS
NAME (Please type or print)
AEGIS Program Manager (Acting)
Title
DRPM AEGIS
Activity


Signature
2/4/94
Date

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

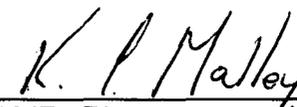
~~NEXT ECHELON LEVEL (if applicable)~~

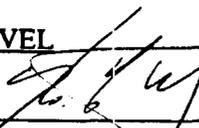
~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

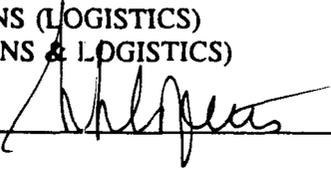

NAME (Please type or print)
Commander
Title
Naval Sea System Command
Activity


Signature
2/16/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

S. F. Loftus
NAME (Please type or print)
Vice Admiral, U.S. Navy
Deputy Chief of Staff (Logistics)
Title


Signature
23 FEB 1994
Date



ZIC 455.34

JL
SEA OX
2/15/94

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title
AEGIS COMBAT SYSTEMS CENTER
WALLOPS ISLAND, VA
Activity

4 February 1994
Date

AEGIS CSC
DATA CALL #1 REVISION 2 pg 6

JL
SEA 091X
8/12/94

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS

NAME (Please type or print)

John J. Kuesters
Signature

DEPUTY AEGIS PROGRAM MANAGER
Title

7/14/94
Date

AEGIS PROGRAM MANAGER
Activity

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)~~

~~Signature~~

~~Title~~

~~Date~~

~~Activity~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER

NAME (Please type or print)

G. R. Sterner
Signature

Commander
Naval Sea Systems Command
Title

8-11-94
Date

Activity

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.

NAME (Please type or print)

J. B. Greene, Jr.
Signature

ACTING

17 AUG 1994
Date

Title



pg 4

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R.B. Moore
Signature

COMMANDING OFFICER
Title

13 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (2)



Document Separator

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**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

| | |
|--|-----------------------------|
| Activity Name: | AEGIS COMBAT SYSTEMS CENTER |
| UIC: | 45534 |
| Host Activity Name (if response is for a tenant activity): | N/A |
| Host Activity UIC: | N/A |

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. Base Operating Support (BOS) Cost Data. Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead). This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

**DATA CALL 66
INSTALLATION RESOURCES**

| Table 1A - Base Operating Support Costs (Other Than DBOF Overhead) | | | |
|---|----------------------------------|-------------------|---------------|
| Activity Name: AEGIS COMBAT SYSTEMS CENTER | | UIC: 45534 | |
| Category | FY 1996 BOS Costs (\$000) | | |
| | Non-Labor | Labor | Total |
| 1. Real Property Maintenance Costs: | | | |
| 1a. Maintenance and Repair | 180.0 | 1408.9 | 1588.9 |
| 1b. Minor Construction | 0 | 38.2 | 38.2 |
| 1c. Sub-total 1a. and 1b. | 180.0 | 1447.1 | 1627.1 |
| 2. Other Base Operating Support Costs: | | | |
| 2a. Utilities | 1145.8 | 0 | 1145.8 |
| 2b. Transportation | 28.2 | 96.4 | 124.6 |
| 2c. Environmental | 0 | 0 | 0 |
| 2d. Facility Leases | 0 | 0 | 0 |
| 2e. Morale, Welfare & Recreation | 0 | 0 | 0 |
| 2f. Bachelor Quarters | 100.0 | 123.0 | 223.0 |
| 2g. Child Care Centers | 0 | 0 | 0 |
| 2h. Family Service Centers | 0 | 0 | 0 |
| 2i. Administration | 188.0 | 2640.0 | 2828.0 |
| 2j. Other (Specify) | 0 | 0 | 0 |
| 2k. Sub-total 2a. through 2j: | 1462.0 | 2859.4 | 4321.4 |
| 3. Grand Total (sum of 1c. and 2k.): | 1642.0 | 4306.5 | 5948.5 |

AEGIS COMBAT SYSTEMS CENTER DOES NOT BUDGET OR RECEIVE FUNDING FOR MILITARY PERSONNEL (MPN) ASSIGNED TO UIC 45534 THUS MILITARY PERSONNEL COSTS ARE NOT REFLECTED IN TABLE 1A.

**DATA CALL 66
INSTALLATION RESOURCES**

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation: TABLE 1A REFLECTS O&MN FUNDING ONLY.

| <u>Appropriation</u> | <u>Amount (\$000)</u> |
|----------------------|-----------------------|
| 0 | 0 |

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

**DATA CALL 66
INSTALLATION RESOURCES**

| Table 1B - Base Operating Support Costs (DBOF Overhead) | | | |
|--|---|-------|-------------------|
| Activity Name: AEGIS COMBAT SYSTEMS CENTER IS NOT A DBOF FACILITY AND THEREFORE DOES NOT BUDGET FOR OVERHEAD. | | | UIC: 45534 |
| Category | FY 1996 Net Cost From UC/FUND-4 (\$000) | | |
| | Non-Labor | Labor | Total |
| 1. Real Property Maintenance Costs: | | | |
| 1a. Real Property Maintenance (>\$15K) | | | |
| 1b. Real Property Maintenance (<\$15K) | | | |
| 1c. Minor Construction (Expensed) | | | |
| 1d. Minor Construction (Capital Budget) | | | |
| 1e. Sub-total 1a. through 1d. | | | |
| 2. Other Base Operating Support Costs: | | | |
| 2a. Command Office | | | |
| 2b. ADP Support | | | |
| 2c. Equipment Maintenance | | | |
| 2d. Civilian Personnel Services | | | |
| 2e. Accounting/Finance | | | |
| 2f. Utilities | | | |
| 2g. Environmental Compliance | | | |
| 2h. Police and Fire | | | |
| 2i. Safety | | | |
| 2j. Supply and Storage Operations | | | |
| 2k. Major Range Test Facility Base Costs | | | |
| 2l. Other (Specify) | | | |
| 2m. Sub-total 2a. through 2l: | | | |
| 3. Depreciation | | | |

**DATA CALL 66
INSTALLATION RESOURCES**

| | | | |
|---|--|--|--|
| 4. Grand Total (sum of 1c., 2m., and 3.) : | | | |
|---|--|--|--|

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

| Table 2 - Services/Supplies Cost Data | |
|--|---------------------------------------|
| Activity Name: AEGIS COMBAT SYSTEMS CENTER | UIC: 45534 |
| Cost Category | FY 1996 Projected Costs (\$000) |
| Travel: | 125.0 |
| Material and Supplies (including equipment): | 2707.5 |
| Industrial Fund Purchases (other DBOF purchases): | 0 |
| Transportation: | 13.0 |
| Other Purchases (Contract support, etc.): | 8462.6 |
| Total: | 11308.1 |

**DATA CALL 66
INSTALLATION RESOURCES**

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

| Table 3 - Contract Workyears | |
|---|--|
| Activity Name: AEGIS COMBAT SYSTEMS CENTER | UIC: 45534 |
| Contract Type | FY 1996 Estimated Number of Workyears On-Base |
| Construction: | 0 |
| Facilities Support: | 38 |
| Mission Support: | 121 |
| Procurement: | 0 |
| Other:* | 0 |
| Total Workyears: | 159 |

* **Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

**DATA CALL 66
INSTALLATION RESOURCES**

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the on-base contract workyears identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)): AEGIS COMBAT SYSTEMS CENTER ASSUMES IF TRANSFERRED TO A NEW SITE, SIMILAR BUILDINGS AS CURRENTLY HOUSED, WOULD BE PROVIDED AND CURRENT CONTRACTED FUNCTIONS WOULD NOT BE PROVIDED BY THE HOST, E.G, SECURITY, FACILITY MAINTENANCE, CUSTODIAL, AND GROUNDS MAINTENANCE.

136 W/YS

2) Estimated number of workyears which would be eliminated: AEGIS COMBAT SYSTEMS CENTER ASSUMES THAT A GALLEY AND BOQ/BEQ EXIST AT THE NEW SITE AND THEREFORE THIS CURRENT CONTRACT SUPPORT IS NOT REQUIRED. IT ALSO ASSUMES THAT ALL BUILDINGS ARE LOCATED WITHIN WALKING DISTANCE OF EACH OTHER, THEREFORE, BUS DRIVERS FOR STUDENTS ARE NOT REQUIRED.

23 W/YS

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

0 W/YS

**DATA CALL 66
INSTALLATION RESOURCES**

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information (**ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above**): AEGIS COMBAT SYSTEMS CENTER ASSUMES THAT FIRE PROTECTION WILL BE PROVIDED BY THE HOST.

| No. of Additional Contract Workyears Which Would Be Eliminated | General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.) |
|--|--|
| 10 | FIREFIGHTERS |

| No. of Additional Contract Workyears Which Would Be Relocated | General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.) |
|---|--|
| 24 | OPERATIONAL, ADP, MANAGEMENT, SUPPLY AND PUBLIC WORKS SUPPORT |

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R.B. Moore
Signature

COMMANDING OFFICER
Title

15 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity



Document Separator

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**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Activity Identification: Please complete the following table, identifying the activity for which this response is being submitted.

| | |
|------------------------|-----------------------------|
| Activity Name: | AEGIS COMBAT SYSTEMS CENTER |
| UIC: | 45534 |
| Major Claimant: | NAVAL SEA SYSTEMS COMMAND |

General Instructions/Background:

Information requested in this data call is required for use by the Base Structure Evaluation Committee (BSEC), in concert with information from other data calls, to analyze both the impact that potential closure or realignment actions would have on a local community and the impact that relocations of personnel would have on communities surrounding receiving activities. In addition to Cost of Base Realignment Actions (COBRA) analyses which incorporate standard Department of the Navy (DON) average cost factors, the BSEC will also be conducting more sophisticated economic and community infrastructure analyses requiring more precise, activity-specific data. For example, activity-specific salary rates are required to reflect differences in salary costs for activities with large concentrations of scientists and engineers and to address geographic differences in wage grade salary rates. Questions relating to "Community Infrastructure" are required to assist the BSEC in evaluating the ability of a community to absorb additional employees and functions as the result of relocation from a closing or realigning DON activity.

Due to the varied nature of potential sources which could be used to respond to the questions contained in this data call, a block appears after each question, requesting the identification of the source of data used to respond to the question. To complete this block, identify the source of the data provided, including the appropriate references for source documents, names and organizational titles of individuals providing information, etc. Completion of this "Source of Data" block is critical since some of the information requested may be available from a non-DoD source such as a published document from the local chamber of commerce, school board, etc. Certification of data obtained from a non-DoD source is then limited to certifying that the information contained in the data call response is an accurate and complete representation of the information obtained from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

General Instructions/Background (Continued):

The following notes are provided to further define terms and methodologies used in this data call. Please ensure that responses consistently follow this guidance:

Note 1: Throughout this data call, the term "activity" is used to refer to the DON installation that is the addressee for the data call.

Note 2: Periodically throughout this data call, questions will include the statement that the response should refer to the "area defined in response to question 1.b., (page 3)". Recognizing that in some large metropolitan areas employee residences may be scattered among many counties or states, the scope of the "area defined" may be limited to the sum of:

- those counties that contain government (DoD) housing units (as identified in 1.b.2)), and,
- those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

Note 3: Responses to questions referring to "civilians" in this data call should reflect federal civil service appropriated fund employees.

1. Workforce Data

a. **Average Federal Civilian Salary Rate.** Provide the projected FY 1996 average gross annual appropriated fund civil service salary rate for the activity identified as the addressee in this data call. This rate should include all cash payments to employees, and exclude non-cash personnel benefits such as employer retirement contributions, payments to former employees, etc.

| | |
|--|-----------------|
| Average Appropriated Fund Civilian Salary Rate: | \$49,896 |
|--|-----------------|

| |
|---|
| Source of Data (1.a. Salary Rate): MANAGE TO PAYROLL (MTP) PROJECTIONS FOR FY96. |
|---|

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

b. Location of Residence. Complete the following table to identify where employees live. Data should reflect current workforce.

1) Residency Table. Identify residency data, by county, for both military and civilian (civil service) employees working at the installation (including, for example, operational units that are homeported or stationed at the installation). For each county listed, also provide the estimated average distance from the activity, in miles, of employee residences and the estimated average length of time to commute one-way to work. For the purposes of displaying data in the table, any county(s) in which 1% or fewer of the activity's employees reside may be consolidated as a single line entry in the table, titled "Other".

| County of Residence | State | No. of Employees Residing in County | | Percentage of Total Employees | Average Distance From Base (Miles) | Average Duration of Commute (Minutes) |
|---------------------------------------|--------|-------------------------------------|----------|-------------------------------|------------------------------------|---------------------------------------|
| | | Military | Civilian | | | |
| ACCOMACK | VA | 63 | 20 | 63.4% | 16 | 25 |
| WORCESTER | MD | 15 | 12 | 20.6% | 20 | 30 |
| WICOMICO | MD | 12 | 7 | 14.5% | 55 | 60 |
| OTHERS (FAIRFAX AND PRINCE GEORGE'S)* | VA& MD | - | 2 | 1.5% | 100-150 | N/A |
| | | | | | | |
| DATA AS OF: 29JUN94 | | | | | | |
| | | | | | | |
| | | | | | | |

*INDIVIDUALS ON TEMPORARY ASSIGNMENT TO PMS400 IN CRYSTAL CITY, VA. AVG. DISTANCE IS FROM RESIDENCE TO ACSC. COMMUTE TO ACSC IS N/A.

= 100%

As discussed in Note 2 on Page 2, subsequent questions in the data call refer to the "area defined in response to question 1.b., (page 3)". In responding to these questions, the scope of the "area defined" may be limited to the sum of: a) those counties that contain government (DoD) housing units (as identified below), and, b) those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

2) Location of Government (DoD) Housing. If some employees of the base live in government housing, identify the county(s) where government housing is located:
 ACCOMACK COUNTY, VA

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**Source of Data (1.b. 1) & 2) Residence Data): ACSCNOTE 5000 OF 29JUN94
PERSONNEL ROSTER AND EMERGENCY RECALL**

c. Nearest Metropolitan Area(s). Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base. **NO METROPOLITAN AREAS WITHIN 50 MILES WITH A POPULATION OF 100,000 OR MORE PEOPLE).**

| City | County | Distance from base (miles) |
|-------------|--------|-------------------------------|
| NORFOLK, VA | | 80 MILES |
| | | |
| | | |
| | | |
| | | |

Source of Data (1.c. Metro Areas): NORFOLK POPULATION (250,300 BASED ON 1992 CENSUS) RECEIVED FROM MS. LUCAS, MAYOR'S OFFICE, 13JUL94, (804) 441-2679. DISTANCE TO NORFOLK (NAVAL MESSAGE R010805Z JUN 94). ONLY MAJOR CITY WITHIN 50 MILES OF ACSC IS SALISBURY, MD WITH A POPULATION OF 21,000. INFORMATION RECEIVED FROM JENNIFER BRUSH, MAYOR'S OFFICE, (410)548-3140 ON 13JUL94.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

d. Age of Civilian Workforce. Complete the following table, identifying the age of the activity's civil service workforce.

| Age Category | Number of Employees | Percentage of Employees |
|----------------------|----------------------------|--------------------------------|
| 16 - 19 Years | 0 | |
| 20 - 24 Years | 0 | |
| 25 - 34 Years | 8 | 19.5% |
| 35 - 44 Years | 13 | 31.7% |
| 45 - 54 Years | 17 | 41.5% |
| 55 - 64 Years | 3 | 7.3% |
| 65 or Older | 0 | |
| TOTAL | 41 | 100 % |

Source of Data (1.d.) Age Data): SF-50 NOTIFICATION OF PERSONNEL ACTIONS

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e. Education Level of Civilian Workforce

1) **Education Level Table.** Complete the following table, identifying the education level of the activity's civil service workforce.

| Last School Year Completed | Number of Employees | Percentage of Employees |
|---|----------------------------|--------------------------------|
| 8th Grade or less | 0 | |
| 9th through 11th Grade | 0 | |
| 12th Grade or High School Equivalency | 10 | 24.4% |
| 1-3 Years of College | 6 | 14.6% |
| 4 Years of College (Bachelors Degree) | 18 | 43.9% |
| 5 or More Years of College (Graduate Work) | 7 | 17.1% |
| TOTAL | 41 | 100 % |

2) **Degrees Achieved.** Complete the following table for the activity's civil service workforce. Identify the number of employees with each of the following degrees, etc. To avoid double counting, only identify the highest degree obtained by a worker (e.g., if an employee has both a Master's Degree and a Doctorate, only include the employee under the category "Doctorate").

| Degree | Number of Civilian Employees |
|--|-------------------------------------|
| Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.) | |
| Associate Degree | 3 |
| Bachelor Degree | 18 |
| Masters Degree | 7 |
| Doctorate | 0 |

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**Source of Data (1.e.1) and 2) Education Level Data): DATA VERIFICATION FORM
ISSUED BY HUMAN RESOURCE OFFICE-CRYSTAL CITY AND SF-50s.**

f. Civilian Employment By Industry. Complete the following table to identify by "industry" the type of work performed by civil service employees at the activity. The intent of this table is to attempt to stratify the activity civilian workforce using the same categories of industries used to identify private sector employment. Employees should be categorized based on their primary duties. Additional information on categorization of private sector employment by industry can be found in the Office of Management and Budget Standard Industrial Classification (SIC) Manual. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Industry Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Industry Types" identified in the table. However, only use the Category 6, "Public Administration" sub-categories when none of the other categories apply. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

| Industry | SIC Codes | No. of Civilians | % of Civilians |
|---|------------|------------------|----------------|
| 1. Agriculture, Forestry & Fishing | 01-09 | 0 | 0 |
| 2. Construction (includes facility maintenance and repair) | 15-17 | 3 | 7.3% |
| 3. Manufacturing (includes Intermediate and Depot level maintenance) | 20-39 | | |
| 3a. Fabricated Metal Products (include ordnance, ammo, etc.) | 34 | 0 | 0 |
| 3b. Aircraft (includes engines and missiles) | 3721 et al | 0 | 0 |
| 3c. Ships | 3731 | 0 | 0 |
| 3d. Other Transportation (includes ground vehicles) | various | 0 | 0 |
| 3e. Other Manufacturing not included in 3a. through 3d. | various | 0 | 0 |

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

| Industry | SIC Codes | No. of Civilians | % of Civilians |
|--|-----------|------------------|----------------|
| Sub-Total 3a. through 3e. | 20-39 | 0 | 0 |
| 4. Transportation/Communications/Utilities | 40-49 | | |
| 4a. Railroad Transportation | 40 | 0 | 0 |
| 4b. Motor Freight Transportation & Warehousing (includes supply services) | 42 | 2 | 4.9% |
| 4c. Water Transportation (includes organizational level maintenance) | 44 | 0 | 0 |
| 4d. Air Transportation (includes organizational level maintenance) | 45 | 0 | 0 |
| 4e. Other Transportation Services (includes organizational level maintenance) | 47 | 0 | 0 |
| 4f. Communications | 48 | 0 | 0 |
| 4g. Utilities | 49 | 2 | 4.9% |
| Sub-Total 4a. through 4g. | 40-49 | 4 | 9.8% |
| 5. Services | 70-89 | | |
| 5a. Lodging Services | 70 | 0 | 0 |
| 5b. Personal Services (includes laundry and funeral services) | 72 | 0 | 0 |
| 5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services) | 73 | 1 | 2.4% |
| 5d. Automotive Repair and Services | 75 | 0 | 0 |
| 5e. Other Misc. Repair Services | 76 | 0 | 0 |
| 5f. Motion Pictures | 78 | 0 | 0 |
| 5g. Amusement and Recreation Services | 79 | 0 | 0 |
| 5h. Health Services | 80 | 0 | 0 |

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

| Industry | SIC Codes | No. of Civilians | % of Civilians |
|---|-----------|------------------|----------------|
| 5i. Legal Services | 81 | 0 | 0 |
| 5j. Educational Services | 82 | 0 | 0 |
| 5k. Social Services | 83 | 0 | 0 |
| 5l. Museums | 84 | 0 | 0 |
| 5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.) | 87 | 20 | 48.8% |
| 5n. Other Misc. Services | 89 | 0 | 0 |
| Sub-Total 5a. through 5n.: | 70-89 | 21 | 51.2% |
| 6. Public Administration | 91-97 | | |
| 6a. Executive and General Government, Except Finance | 91 | 10 | 24.4% |
| 6b. Justice, Public Order & Safety (includes police, firefighting and emergency management) | 92 | 1 | 2.4% |
| 6c. Public Finance | 93 | 0 | 0 |
| 6d. Environmental Quality and Housing Programs | 95 | 2 | 4.9% |
| Sub-Total 6a. through 6d. | | 13 | 31.7% |
| TOTAL | | 41 | 100 % |

Source of Data (1.f.) Classification By Industry Data): SF-50 "POSITION TITLE"

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

g. Civilian Employment by Occupation. Complete the following table to identify the types of "occupations" performed by civil service employees at the activity. Employees should be categorized based on their primary duties. Additional information on categorization of employment by occupation can be found in the Department of Labor Occupational Outlook Handbook. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Occupation Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Occupation Types" identified in the table. Refer to the descriptions immediately following this table for more information on the various occupational categories. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

| Occupation | Number of Civilian Employees | Percent of Civilian Employees |
|--|------------------------------------|-------------------------------------|
| 1. Executive, Administrative and Management | 15 | 36.6% |
| 2. Professional Specialty | | |
| 2a. Engineers | 17 | 41.5% |
| 2b. Architects and Surveyors | 0 | 0 |
| 2c. Computer, Mathematical & Operations Research | 2 | 4.9% |
| 2d. Life Scientists | 0 | 0 |
| 2e. Physical Scientists | 0 | 0 |
| 2f. Lawyers and Judges | 0 | 0 |
| 2g. Social Scientists & Urban Planners | 0 | 0 |
| 2h. Social & Recreation Workers | 0 | 0 |
| 2i. Religious Workers | 0 | 0 |
| 2j. Teachers, Librarians & Counselors | 1 | 2.4% |
| 2k. Health Diagnosing Practitioners (Doctors) | 0 | 0 |
| 2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.) | 0 | 0 |

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| Occupation | Number of Civilian Employees | Percent of Civilian Employees |
|---|------------------------------------|-------------------------------------|
| 2m. Communications | 0 | 0 |
| 2n. Visual Arts | 0 | 0 |
| Sub-Total 2a. through 2n.: | 20 | 48.8% |
| 3. Technicians and Related Support | | |
| 3a. Health Technologists and Technicians | 0 | 0 |
| 3b. Other Technologists | 0 | 0 |
| Sub-Total 3a. and 3b.: | 0 | 0 |
| 4. Administrative Support & Clerical | 2 | 4.9% |
| 5. Services | | |
| 5a. Protective Services (includes guards, firefighters, police) | 1 | 2.4% |
| 5b. Food Preparation & Service | 1 | 2.4% |
| 5c. Dental/Medical Assistants/Aides | 0 | 0 |
| 5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers) | 0 | 0 |
| Sub-Total 5a. through 5d. | 2 | 4.8% |
| 6. Agricultural, Forestry & Fishing | 0 | 0 |
| 7. Mechanics, Installers and Repairers | 0 | 0 |
| 8. Construction Trades | 0 | 0 |
| 9. Production Occupations | 0 | 0 |
| 10. Transportation & Material Moving | 2 | 4.9% |
| 11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere) | 0 | 0 |
| TOTAL | 41 | 100 % |

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Source of Data (1.g.) Classification By Occupation Data): SF-50s "POSITION TITLE"

Description of Occupational Categories used in Table 1.g. The following list identifies public and private sector occupations included in each of the major occupational categories used in the table. Refer to these examples as a guide in determining where to allocate **appropriated fund civil service jobs** at the activity.

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.
8. **Construction Trades.** Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.
9. **Production Occupations.** Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. **Transportation & Material Moving.** Busdrivers; material moving equipment operators; rail transportation occupations; truckdrivers; water transportation occupations.
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). Entry level jobs not requiring significant training.

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h. Employment of Military Spouses. Complete the following table to provide estimated information concerning military spouses who are also employed in the area defined in response to question 1.b., above. **Do not fill in shaded area.**

| | |
|---|------------|
| 1. Percentage of Military Employees Who Are Married: | 76% |
| 2. Percentage of Military Spouses Who Work Outside of the Home: | 56% |
| 3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home". | |
| 3a. Employed "On-Base" - Appropriated Fund: | 3.1% (1) |
| 3b. Employed "On-Base" - Non-Appropriated Fund: | 3.1% (1) |
| 3c. Employed "Off-Base" - Federal Employment: | 0 |
| 3d. Employed "Off-Base" - Other Than Federal Employment | 93.8% (30) |

| |
|--|
| <p>Source of Data (1.h.) Spouse Employment Data): INFORMATION PROVIDED BY MILITARY PERSONNEL AND ACSCNOTE 5000 29JUN94 PERSONNEL ROSTER AND RECALL.</p> |
|--|

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2. Infrastructure Data. For each element of community infrastructure identified in the two tables below, rate the community's ability to accommodate the relocation of additional functions and personnel to your activity. Please complete each of the three columns listed in the table, reflecting the impact of various levels of increase (20%, 50% and 100%) in the number of personnel working at the activity (and their associated families). In ranking each category, use one of the following three ratings:

- A** - Growth can be accommodated with little or no adverse impact to existing community infrastructure and at little or no additional expense.
- B** - Growth can be accommodated, but will require some investment to improve and/or expand existing community infrastructure.
- C** - Growth either cannot be accommodated due to physical/environmental limitations or would require substantial investment in community infrastructure improvements.

Table 2.a., "Local Communities": This first table refers to the local community (i.e., the community in which the base is located) and its ability to meet the increased requirements of the installation.

Table 2.b., "Economic Region": This second table asks for an assessment of the infrastructure of the economic region (those counties identified in response to question 1.b., (page 3) - taken in the aggregate) and its ability to meet the needs of additional employees and their families moving into the area.

For both tables, annotate with an asterisk (*) any categories which are wholly supported on-base, i.e., are not provided by the local community. These categories should also receive an A-B-C rating. Answers for these "wholly supported on-base" categories should refer to base infrastructure rather than community infrastructure.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

a. **Table A: Ability of the local community to meet the expanded needs of the base.**

1) Using the A - B - C rating system described above, complete the table below.

| Category | 20% Increase | 50% Increase | 100% Increase |
|---|--------------|--------------|---------------|
| Off-Base Housing NOTE (1) | C | C | C |
| Schools - Public (2) | A | A | B |
| Schools - Private | A | A | A |
| Public Transportation - Roadways (3) | A | A | A |
| Public Transportation - Buses/Subways (4) | A | A | A |
| Public Transportation - Rail | N/A | N/A | N/A |
| Fire Protection (5) | A | A | A |
| Police (6) | A | A | A |
| Health Care Facilities (7) | A | A | A |
| Utilities: | | | |
| * Water Supply (8) | A | A | A |
| * Water Distribution (8) | A | A | A |
| Energy Supply (9) | A | A | A |
| Energy Distribution (9) | A | A | A |
| * Wastewater Collection (8) | A | A | A |
| * Wastewater Treatment (8) | A | A | A |
| * Storm Water Collection | N/A | N/A | N/A |
| * Solid Waste Collection and Disposal(10) | A | A | A |
| * Hazardous/Toxic Waste Disposal (10) | A | A | A |
| Recreational Activities (11) | A | A | A |

*NASA AS HOST OF WALLOPS FLIGHT FACILITY IS THE SOLE PROVIDER.

Remember to mark with an asterisk any categories which are wholly supported on-base.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

| |
|--|
| Source of Data (2.a. 1) & 2) - Local Community Table): SEE BELOW. |
|--|

SOURCE OF DATA (2.A. 1) & 2):

1. NARRATIVE - FOR-SALE HOUSING MARKET IS PROHIBITIVE TO A LARGE SEGMENT OF MILITARY PERSONNEL DUE TO HIGH HOME PRICES, A SLOW SALES PACE MAKING RESALE DIFFICULT AND QUALITY OF AVAILABLE HOUSING STOCK. PRIMARY PROBLEMS IN LOCAL RENTAL MARKET LIE IN IT'S LACK OF SUFFICIENT QUALITY INVENTORY THAT CAN MEET LOCATIONAL AND PRICE REQUIREMENTS. NEW SINGLE FAMILY HOMES WILL NOT ADD TO THE SUPPLY OF HOUSES FOR RENT AND THE EXISTING SUPPLY IS DETERIORATING. IT IS NOT CURRENTLY ATTRACTIVE TO BUILDERS TO CONSTRUCT HOMES WHICH CAN BE AFFORDABLE TO THE MAJORITY OF THOSE ASSIGNED TO ACSC. SOURCE - FAMILY HOUSING MARKET ANALYSIS FOR ACSC NOVEMBER 1993 BY ONYX CORPORATION FOR CHESNAVFACENGCOM.
2. SOURCE - ACCOMACK COUNTY: MICHAEL THOMAS, ACCOMACK COUNTY BOARD OF EDUCATION, ASST. SUPT. FOR INSTRUCTION.
3. SOURCE - ENVIRONMENTAL ASSESSMENT FOR ACSC MAIN BASE SITE DEVELOPMENT PLAN AT WALLOPS FLIGHT FACILITY, FEBRUARY 1991, PAGES 3-14 THROUGH 3-16.
4. BUSES ONLY, LOCAL AREA NOT SERVICED BY SUBWAYS. SOURCE - PHONCON WITH T'S CORNER, OAK HALL, VA, TRAILWAYS BUS REPRESENTATIVE.
5. SOURCE - NATIONAL FIRE PROTECTION ADMINISTRATION MANUAL 1231, PAGE 9.

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SOURCE OF DATA (2.A.1(& 2)

6. SOURCE - ACCOMACK COUNTY SHERIFF'S OFFICE UNAVAILABLE FOR COMMENT. RATING BASED ON PERSONAL OPINION OF THE ACSC PUBLIC WORKS OFFICER. WORCESTER COUNTY SHERIFF'S OFFICE, CAPT. JONES 13JUL94 STATED "ALTHOUGH UNDERSTAFFED NOW, A 1% INCREASE IN POPULATION OF THE COUNTY WOULD NOT SIGNIFICANTLY ALTER THE SITUATION".

7. SOURCE - ENVIRONMENTAL ASSESSMENT FOR THE ACSC MAIN BASE SITE DEVELOPMENT PLAN, DTD FEBRUARY 1991, PARAGRAPH 3.3.3.

8. SOURCE - PHONCON WITH TOMMY GIVENS, WFF PLANT OPERATIONS AND MAINTENANCE BRANCH, 804-824-1148, 13JUL94.

9. SOURCE - PERSONAL KNOWLEDGE/OPINION OF RICH BITTING, ACSC PUBLIC WORKS OFFICE.

10. SOURCE - PERSONAL KNOWLEDGE/OPINION OF RICH BITTING, ACSC PUBLIC WORKS OFFICE.

11. SOURCE - BOTH WORCESTER AND ACCOMACK COUNTIES CURRENTLY EXPERIENCE LARGE SWINGS IN POPULATION DUE TO SUMMER TOURISM. A 1% OR LESS INCREASE IN PERMANENT POPULATION WILL HAVE NO EFFECT ON AVAILABLE RECREATIONAL ACTIVITIES. SOURCE - PHASE 1 EXISTING CONDITIONS AND DEVELOPMENT CONSTRAINTS FACILITY PLANNING STUDY, PAGES 4-32 AND 4-34.

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b. Table B: Ability of the region described in the response to question 1.b. (page 3) (taken in the aggregate) to meet the needs of additional employees and their families relocating into the area.

1) Using the A - B - C rating system described above, complete the table below.

| Category | 20% Increase | 50% Increase | 100% Increase |
|---|-----------------|-----------------|------------------|
| Off-Base Housing NOTE (1) | C | C | C |
| Schools - Public (2) | A | A | B |
| Schools - Private | A | A | A |
| Public Transportation - Roadways (3) | A | A | A |
| Public Transportation - Buses/Subways (4) | A | A | A |
| Public Transportation - Rail | N/A | N/A | N/A |
| Fire Protection (5) | A | A | A |
| Police (6) | A | A | A |
| Health Care Facilities (7) | A | A | A |
| Utilities: | | | |
| * Water Supply (8) | A | A | A |
| * Water Distribution (8) | A | A | A |
| Energy Supply (9) | A | A | A |
| Energy Distribution (9) | A | A | A |
| * Wastewater Collection (8) | A | A | A |
| * Wastewater Treatment (8) | A | A | A |
| * Storm Water Collection | N/A | N/A | N/A |
| * Solid Waste Collection and Disposal (10) | A | A | A |
| * Hazardous/Toxic Waste Disposal (10) | A | A | A |
| Recreation Facilities (11) | A | A | A |

Remember to mark with an asterisk any categories which are wholly supported on-base.

*NASA AS HOST OF WALLOPS FLIGHT FACILITY IS THE SOLE PROVIDER.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

Source of Data (2.b. 1) & 2) - Regional Table): SEE BELOW.

SOURCE OF DATA (2.B. 1) & 2):

1. NARRATIVE - FOR-SALE HOUSING MARKET IS PROHIBITIVE TO A LARGE SEGMENT OF MILITARY PERSONNEL DUE TO HIGH HOME PRICES, A SLOW SALES PACE MAKING RESALE DIFFICULT AND QUALITY OF AVAILABLE HOUSING STOCK. PRIMARY PROBLEMS IN LOCAL RENTAL MARKET LIE IN IT'S LACK OF SUFFICIENT QUALITY INVENTORY THAT CAN MEET LOCATIONAL AND PRICE REQUIREMENTS. NEW SINGLE FAMILY HOMES WILL NOT ADD TO THE SUPPLY OF HOUSES FOR RENT AND THE EXISTING SUPPLY IS DETERIORATING. IT IS NOT CURRENTLY ATTRACTIVE TO BUILDERS TO CONSTRUCT HOMES WHICH CAN BE AFFORDABLE TO THE MAJORITY OF THOSE ASSIGNED TO ACSC. SOURCE - FAMILY HOUSING MARKET ANALYSIS FOR ACSC NOVEMBER 1993 BY ONYX CORPORATION FOR CHESNAVFACENGCOM.
2. SOURCE - ACCOMACK COUNTY: MICHAEL THOMAS, ACCOMACK COUNTY BOARD OF EDUCATION, ASST. SUPT. FOR INSTRUCTION; WORCESTER COUNTY - DEBBIE BUNTING, WORCESTER BOARD OF EDUCATION, SECRETARY TO PEOPLE/PERSONNEL SUPERVISOR.
3. SOURCE - ENVIRONMENTAL ASSESSMENT FOR ACSC MAIN BASE SITE DEVELOPMENT PLAN AT WALLOPS FLIGHT FACILITY, FEBRUARY 1991, PAGES 3-14 THROUGH 3-16.
4. BUSES ONLY, LOCAL AREA NOT SERVICED BY SUBWAYS. SOURCE - PHONCON WITH T'S CORNER, OAK HALL, VA, TRAILWAYS BUS REPRESENTATIVE.
5. SOURCE - NATIONAL FIRE PROTECTION ADMINISTRATION MANUAL 1231, PAGE 9.
6. SOURCE - ACCOMACK COUNTY SHERIFF'S OFFICE UNAVAILABLE FOR COMMENT. RATING BASED ON PERSONAL OPINION OF THE ACSC PUBLIC WORKS OFFICER. WORCESTER COUNTY SHERIFF'S OFFICE, CAPT. JONES 13JUL94 STATED "ALTHOUGH UNDERSTAFFED NOW, A 1% INCREASE IN

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POPULATION OF THE COUNTY WOULD NOT SIGNIFICANTLY ALTER THE SITUATION".

7. SOURCE - ENVIRONMENTAL ASSESSMENT FOR THE ACSC MAIN BASE SITE DEVELOPMENT PLAN, DTD FEBRUARY 1991, PARAGRAPH 3.3.3.

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SOURCE OF DATA (2.B. 1) & 2):

8. SOURCE - PHONCON WITH TOMMY GIVENS, WFF PLANT OPERATIONS AND MAINTENANCE BRANCH, 804-824-1148, 13JUL94.

9. SOURCE - PERSONAL KNOWLEDGE/OPINION OF RICH BITTING, ACSC PUBLIC WORKS OFFICE.

10. SOURCE - PERSONAL KNOWLEDGE/OPINION OF RICH BITTING, ACSC PUBLIC WORKS OFFICE.

11. SOURCE - BOTH WORCESTER AND ACCOMACK COUNTIES CURRENTLY EXPERIENCE LARGE SWINGS IN POPULATION DUE TO SUMMER TOURISM. A 1% OR LESS INCREASE IN PERMANENT POPULATION WILL HAVE NO EFFECT ON AVAILABLE RECREATIONAL ACTIVITIES. SOURCE - PHASE 1 EXISTING CONDITIONS AND DEVELOPMENT CONSTRAINTS FACILITY PLANNING STUDY, PAGES 4-32 AND 4-34.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

3. Public Facilities Data:

- a. **Off-Base Housing Availability.** For the counties identified in the response to question 1.b. (page 3), in the aggregate, estimate the current average vacancy rate for community housing. Use current data or information identified on the latest family housing market analysis. For each of the categories listed (rental units and units for sale), combine single family homes, condominiums, townhouses, mobile homes, etc., into a single rate:

Rental Units: 47 UNITS, MANY OF WHICH ARE INADEQUATE OR
SUBSTANDARD; VERY COSTLY FOR THE AVERAGE
FAMILY; OR OUTSIDE THE COMMUTING AREA.

Units for Sale: MARYLAND 430 UNITS
VIRGINIA 134 UNITS

| |
|---|
| <p>Source of Data (3.a. Off-Base Housing): FAMILY HOUSING MARKET ANALYSIS, NOVEMBER 1993, PAGES 4-9, 4-12, 4-17.</p> |
|---|

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

b. Education.

1) Information is required on the current capacity and enrollment levels of school systems serving employees of the activity. Information should be keyed to the counties identified in the response to question 1.b. (page 3).

| School District | County | Number of Schools | | | Enrollment | | Pupil-to-Teacher Ratio | | Does School District Serve Gov't Housing Units? * |
|------------------|-----------|-------------------|--------|------|------------|---------------|------------------------|------------|---|
| | | Elementary | Middle | High | Current | Max. Capacity | Current | Max. Ratio | |
| ACCOMACK COUNTY | ACCOMACK | 5 | 3 | 5 | 5470** | 5470 | 20/1 | 25/1 | YES |
| WORCESTER COUNTY | WORCESTER | 6 | 3 | 3 | 6153*** | 7084 | 25/1 | 25/1 | |
| | | | | | | | | | |
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| | | | | | | | | | |

* Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.

** ACCOMACK COUNTY AS OF 30SEP93 *** WORCESTER COUNTY AS OF 30MAY94.

Source of Data (3.b.1) Education Table): ACCOMACK COUNTY BOARD OF EDUCATION, MICHAEL THOMAS, ASST. SUPT. FOR INSTRUCTION (804) 824-5601; WORCESTER COUNTY BOARD OF EDUCATION, DEBBIE BUNTING, SECRETARY FOR PEOPLE/PERSONNEL SUPERVISOR (410) 632-2582.

2) Are there any on-base "Section 6" Schools? If so, identify number of schools and current enrollment. THERE ARE NO "SECTION 6" SCHOOLS AT AEGIS COMBAT SYSTEMS CENTER.

Source of Data (3.b.2) On-Base Schools): PERSONAL KNOWLEDGE OF ACSC RESOURCE MANAGER.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

3) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names of undergraduate and graduate colleges and universities which offer certificates, Associate, Bachelor or Graduate degrees: EASTERN SHORE COMMUNITY COLLEGE, MELFA (ACCOMACK COUNTY), VA; WOR-WIC COMMUNITY COLLEGE, SALISBURY (WICOMICO COUNTY), MD OFFERS CLASSES AT EXTENSION CENTERS IN WORCESTER COUNTY. NOTE: UNIVERSITY OF MARYLAND, EASTERN SHORE, PRINCESS ANNE (SOMERSET COUNTY), MD AND SALISBURY STATE UNIVERSITY, SALISBURY (WICOMICO COUNTY), MD ARE WITHIN COMMUTING DISTANCE OF ACSC.

Source of Data (3.b.3) Colleges): C&P TELEPHONE DIRECTORIES (LOWER EASTERN SHORE OF MD AND EASTERN SHORE OF VA)

4) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names and major curriculums of vocational/technical training schools: NONE.

Source of Data (3.b.4) Vo-tech Training): T.H. BADGER HAS TWO SITES IN ACCOMACK COUNTY BUT NO ADULT EVENING CLASSES ARE AVAILABLE, PER MICHAEL JONES, ACCOMACK COUNTY BOARD OF EDUCATION (804) 824-5601.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

c. Transportation.

1) Is the activity served by public transportation?

| | <u>Yes</u> | <u>NO</u> |
|---------|------------|-----------|
| Bus: | <u>X</u> | — |
| Rail: | — | <u>X</u> |
| Subway: | — | <u>X</u> |
| Ferry: | — | <u>X</u> |

Source of Data (3.c.1) Transportation): ENVIRONMENTAL RESOURCES DOCUMENT DEC 80/PHONE BOOK.

2) Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.

NEWPORT NEWS, VA 112 MILES

Source of Data (3.c.2) Transportation): PHONCON W/TERRY MALONE, AMTRAK RESERVATION AND INFORMATION OFFICE 1-800-872-7245.

3) Identify the name and location of the nearest commercial airport (with public carriers, e.g., USAIR, United, etc.) and the distance from the activity to the airport.

SALISBURY, MD 45 MILES

Source of Data (3.c.3) Transportation): PHONCON WITH DENISE SHELLABY, SECRETARY TO SALISBURY AIRPORT MANAGER (410) 548-4827.

4) How many carriers are available at this airport?

ONE - USAIR

Source of Data (3.c.4) Transportation): SAME AS 3.c.3

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

5) What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?

I-64 IN NORFOLK, VA 96 MILES

| |
|--|
| Source of Data (3.c.5) Transportation): VA OFFICIAL STATE HIGHWAY MAP, 1993 |
|--|

6) Access to Base:

a) Describe the quality and capacity of the road systems providing access to the base, specifically during peak periods. (Include both information on the area surrounding the base and information on access to the base, e.g., numbers of gates, congestion problems, etc.)

US ROUTE 13 IS THE GENERAL ARTERIAL ROUTE THAT SERVES ACSC. IT IS A FOUR-LANE DIVIDED HIGHWAY THAT TRAVERSES THE EASTERN SHORE OF VIRGINIA. IMMEDIATE ACCESS TO ACSC IS PROVIDED BY STATE ROUTE 175 AND STATE ROUTE 798, BOTH OF WHICH ARE TWO-LANE RURAL HIGHWAYS. A PEAK HOUR SURVEY OF THE INTERSECTION DETERMINED THE MORNING PEAK HOUR OCCURRED BETWEEN 7:15 AND 8:15 WITH A TOTAL VOLUME OF 637 VEHICLES. THE EVENING PEAK HOUR OCCURRED BETWEEN 4:00 AND 5:00 WITH A TOTAL VOLUME OF 875. OPERATING CONDITIONS DURING MORNING PEAK HOUR WERE DETERMINED TO BE LITTLE OR NO DELAY ON ROUTE 175 AND SHORT DELAYS ON ROUTE 798. OPERATING CONDITIONS DURING THE EVENING PEAK HOUR WERE DETERMINED TO BE LITTLE OR NO DELAY ON ROUTE 175 AND AVERAGE DELAYS ON THE NORTHBOUND APPROACH OF ROUTE 798 AND VERY LONG DELAYS ON THE SOUTHBOUND APPROACH OF 798.

b) Do access roads transit residential neighborhoods?

NO.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

c) Are there any easements that preclude expansion of the access road system?

NO.

d) Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?

DRAWBRIDGE ON STATE ROUTE 175 PROVIDING ACCESS TO THE TOWN OF CHINCOTEAGUE, VA.

Source of Data (3.c.6) Transportation): ENVIRONMENTAL ASSESSMENT FOR ACSC MAIN BASE SITE DEVELOPMENT PLAN 04FEB91, PAGES 3-14 THROUGH 3-16.

d. **Fire Protection/Hazardous Materials Incidents.** Does the activity have an agreement with the local community for fire protection or hazardous materials incidents? Explain the nature of the agreement and identify the provider of the service.

YES, MUTUAL AID AGREEMENT BETWEEN NASA/GSFC/WFF AND THE ACCOMACK-NORTHAMPTON FIREMEN'S ASSOCIATION.

Source of Data (3.d. Fire/Hazmat): NASA LTR 17NOV89 W/SIGNED AGREEMENT

e. **Police Protection.**

1) What is the level of legislative jurisdiction held by the installation? AEGIS COMBAT SYSTEMS CENTER OPERATES UNDER A HOST TENANT AGREEMENT WITH NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) GODDARD SPACE FLIGHT CENTER (GSFC), WALLOPS FLIGHT FACILITY (WFF), WALLOPS ISLAND, VA 23337. WFF CLAIMS EXCLUSIVE FEDERAL JURISDICTION OVER ALL PARCELS OF LAND WHICH CONSTITUTE THE "WALLOPS MAIN BASE AREA", AND CONCURRENT STATE AND FEDERAL JURISDICTION OVER THE PARCEL OF LAND KNOWN AS "WALLOPS ISLAND".

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

2) If there is more than one level of legislative jurisdiction for installation property, provide a brief narrative description of the areas covered by each level of legislative jurisdiction and whether there are separate agreements for local law enforcement protection. THE AREA REFERRED TO AS "WALLOPS MAIN BASE" INCLUDES ACSC BLDGS. R-30 (LIFETIME SUPPORT FACILITY), R-10 (BACHELOR OFFICERS QUARTERS), R-20 (BACHELOR ENLISTED QUARTERS AND COMBINED DINING FACILITY), H-1 THROUGH H-28 (NAVY FAMILY HOUSING), AND Q-29 (PUBLIC WORKS AND HOUSING OFFICE). THIS AREA IS IMMEDIATELY ADJACENT TO NASA GSFC WFF AIRFIELD AND ADMINISTRATIVE AREAS, IMMEDIATELY OFF VA ROUTE 798. THIS IS THE AREA CLAIMED AS EXCLUSIVE FEDERAL JURISDICTION. THE AREA REFERRED TO AS "WALLOPS ISLAND" INCLUDES ACSC BLDGS. V-10 (CRUISER BLDG.) AND V-20 (DESTROYER BLDG.), AND IS LOCATED ON NASA'S WALLOPS ISLAND, IMMEDIATELY ON THE ATLANTIC OCEAN, ACCESSIBLE VIA VA ROUTE 803. THIS IS THE AREA CLAIMED AS CONCURRENT STATE AND FEDERAL JURISDICTION. THERE ARE NO KNOWN SEPARATE AGREEMENTS FOR LOCAL LAW ENFORCEMENT PROTECTION ON THESE DIFFERENTLY CLAIMED LEVELS OF JURISDICTION.

3) Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection? NASA/GSFC/WFF CLAIMS AN AGREEMENT FOR LAW ENFORCEMENT ASSISTANCE HAS BEEN NEGOTIATED WITH THE SHERIFF OF ACCOMACK COUNTY, VA. (THERE IS A LETTER FROM NASA/GSFC/WFF DATED 04 JAN 91 OUTLINING THE "AGREEMENT", BUT NO WRITTEN RESPONSE FROM THE ACCOMACK COUNTY SHERIFF). VERBAL COMMITMENT TO PROVIDE THE REQUESTED SUPPORT IS CLAIMED BY WFF MANAGEMENT.

4) If agreements exist with more than one local law enforcement entity, provide a brief narrative description of whom the agreement is with and what services are covered. NO OTHER AGREEMENTS ARE KNOWN TO EXIST WITH LOCAL LAW ENFORCEMENT ENTITIES.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

5) If military law enforcement officials are routinely augmented by officials of other federal agencies (BLM, Forest Service, etc.), identify any written agreements covering such services and briefly describe the level of support received. NO ROUTINE AUGMENTATION BY OFFICIALS OF OTHER FEDERAL AGENCIES COULD BE IDENTIFIED.

Source of Data (3.e. 1) - 5) - Police): NASA/ACSC HOST TENANT AGREEMENT; NASA HEADQUARTERS LTR DTD 12 MAY 1994 RE FEDERAL JURISDICTION OVER THE WFF; NASA/WFF CODE 205.1 LTR DTD 04 JAN 1991; COMMONWEALTH OF VIRGINIA LTR FROM ATTORNEY GENERAL DTD 14 JUNE 1994 RE FEDERAL JURISDICTION OVER WFF.

f. **Utilities.**

1) Does the activity have an agreement with the local community for water, refuse disposal, power or any other utility requirements? Explain the nature of the agreement and identify the provider of the service.

ACSC OBTAINS ALL UTILITIES AND SERVICES FROM THE EXISTING NASA/GSFC/WFF IN ACCORDANCE WITH OUR HOST-TENANT AGREEMENT. THE INFRASTRUCTURE AT WFF SUPPORTED OPERATIONS IN THE 50'S THAT WERE MUCH LARGER THAN THOSE HAPPENING TODAY AND DESIGN CAPACITIES USUALLY FAR EXCEED PROJECTED REQUIREMENTS EVEN WITH 100% INCREASE. HOWEVER, THE AGE OF THE SYSTEM HAS NECESSITATED UPDATES AND REPAIRS TO MEET STRICTER REGULATORY AND TECHNICAL REQUIREMENTS. THUS IT IS DIFFICULT FOR EXAMPLE, TO ASSESS THE CAPABILITY OF A SEWER TREATMENT FACILITY DESIGNED BEFORE 1950 WITH CAPACITY TO TREAT 350,000 GALLONS PER DAY TO MEET FUTURE CAPACITY REQUIREMENTS AT HIGHER QUALITY STANDARDS.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

2) Has the activity been subject to water rationing or interruption of delivery during the last five years? If so, identify time period during which rationing existed and the restrictions imposed. Were activity operations affected by these situations? If so, explain extent of impact.

NO.

3) Has the activity been subject to any other significant disruptions in utility service, e.g., electrical "brown outs", "rolling black outs", etc., during the last five years? If so, identify time period(s) covered and extent/nature of restrictions/disruption. Were activity operations affected by these situations? If so, explain extent of impact.

NO.

Source of Data (3.f. 1) - 3) Utilities): 1) NASA/ACSC HOST-TENANT AGREEMENT AND PERSONAL KNOWLEDGE/OPINION OF THE PUBLIC WORKS OFFICER; 2) BASED ON PERSONAL EXPERIENCE OF THE PUBLIC WORKS OFFICER; 3) PHONECON 12JUL94 W/NASA PLANT OPERATIONS AND MAINTENANCE BRANCH, MIKE HILL AND ACSC RICH BITTING.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

4. **Business Profile.** List the top ten employers in the geographic area defined by your response to question 1.b. (page 3), taken in the aggregate, (include your activity, if appropriate):

| Employer | Product/Service | No. of Employees |
|--|--------------------|------------------|
| 1. PERDUE FARMS, INC. | POULTRY PROCESSING | 1,750 |
| 2. TYSON FOODS, INC. | POULTRY PROCESSING | 950 |
| 3. WORCESTER COUNTY BOARD OF EDUCATION | EDUCATION | 760 |
| 4. ACCOMACK COUNTY BOARD OF EDUCATION | EDUCATION | 752 |
| 5. SHOWELL FARMS | POULTRY PROCESSING | 750 |
| 6. NORTHHAMPTON-ACCOMACK MEMORIAL | HOSPITAL | 565 |
| 7. HUDSON FOODS | POULTRY PROCESSING | 550 |
| 8. BYRD FOOD, INC. | AGRICULTURE | 400 |
| 9. NASA | FEDERAL AGENCY | 400 |
| 10. EASTERN SHORE SEAFOOD PRODUCTS | SEAFOOD PROCESSING | 320 |

Source of Data (4. Business Profile): FACSIMILE FROM SANDY TAYLOR, EASTERN SHORE OF VA ECONOMIC DEVELOPMENT COMMISSION (804) 787-1247; FACIMILE FROM WARREN ROSENTHAL, DIRECTOR OF ECONOMIC DEVELOPMENT WORCESTER COUNTY ECONOMIC DEVELOPMENT OFFICE (410) 632-3110. PHONCON 13JUL94 ACCOMACK COUNTY BOARD OF EDUCATION, MICHAEL JONES (804) 824-5601; PHONCON 13JUL94 WORCESTER COUNTY BOARD OF EDUCATION, GARY MCCABE (410)-632-2582.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

5. Other Socio-Economic Impacts. For each of the following areas, describe other recent (past 5 years), on-going or projected economic impacts (both positive and negative) on the geographic region defined by your response to question 1.b. (page 3), in the aggregate:

a. Loss of Major Employers: CAMPBELL SOUP CO., FOOD PROCESSING, 300 EMPLOYEES; JOHN W. TAYLOR PACKING, VEGETABLE PROCESSING, 100-299 EMPLOYEES; MOORE BUSINESS FORMS, BUSINESS FORMS, 40 EMPLOYEES (CUT BACK FROM 190 EMPLOYEES).

b. Introduction of New Businesses/Technologies: BERETTA, USA, FIREARMS MANUFACTURING, 20-100 EMPLOYEES (1990); AQUAMAR, FISH FARMING, 2-8 EMPLOYEES (1993); FARMER'S MARKET, AGRICULTURE MARKETING, 20-100 EMPLOYEES (1993); ATLANTIC GENERAL HOSPITAL (BERLIN, MD), MEDICAL FACILITY, 200 EMPLOYEES (1993); PLASTIC INJECTION COMMAND, PLASTIC INJECTION MOLDING, 30-40 EMPLOYEES (1994).

c. Natural Disasters: HURRICANES AND INTENSE ATLANTIC STORMS KNOWN AS NORTHEASTERS THREATEN THE EASTERN SHORE OF VIRGINIA AND MARYLAND. THESE STORMS HAVE CAUSED SEVERE WIND AND FLOODING DAMAGE IN THE PAST, ESPECIALLY IN DEVELOPMENT ALONG THE ATLANTIC COAST.

d. Overall Economic Trends: WORCESTER COUNTY: NO ECONOMIC CHANGE SINCE BRAC 93 DATA CALL #38 SUBMISSION. NORTHERN PART OF COUNTRY IS DRIVEN BY TOURISM AND THUS UNEMPLOYMENT FLUCTUATES DRAMATICALLY. ACCOMACK COUNTY: NO INFORMATION AVAILABLE.

Source of Data (5. Other Socio/Econ): PHONCON WITH WARREN ROSENTHAL, DIRECTOR OF WORCESTER COUNTY ECONOMIC DEVELOPMENT COMMISSION (410) 632-3110. PHONCON WITH SANDY TAYLOR, EASTERN SHORE OF VIRGINIA ECONOMIC DEVELOPMENT COMMISSION (804) 787-1247.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

6. Other. Identify any contributions of your activity to the local community not discussed elsewhere in this response. AEGIS COMBAT SYSTEMS CENTER PERSONNEL PARTICIPATE IN THE "NAVY PERSONAL EXCELLENCE PARTNERSHIP PROGRAM" AT NORTH ACCOMACK ELEMENTARY SCHOOL, ACCOMACK COUNTY, VA.

Source of Data (6. Other): MEMORANDUM FROM PARTNERSHIP IN EDUCATION COORDINATOR TO COMMANDING OFFICER, ACSC DTD 11MAY93 AND COPY OF CERTIFICATE SIGNED BY ACSC COMMANDING OFFICER AND NORTH ACCOMACK ELEMENTARY SCHOOL PRINCIPAL DTD 28MAY93.

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)

[Signature]
Signature

DEPUTY AEGIS PROGRAM MANAGER
Title

7/19/94
Date

AEGIS PROGRAM MANAGER (PMS 400)
Activity

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)~~

~~Signature~~

~~Title~~

~~Date~~

~~Activity~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)

[Signature]
Signature

Naval Systems Command
Title

2/25/94
Date

Activity

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

[Signature]
Signature

Title

8/6/94
Date



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

15 July 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity



Document Separator

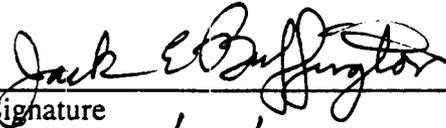
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/13/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Title


Signature
7/18/94
Date

BRAC-95 CERTIFICATION

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

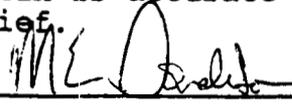
MARK E. DONALDSON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12 July 1994
Date

**BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE**

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,
2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

Document Separator

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**ENVIRONMENTAL DATA CALL:
DATA CALL TO BE SUBMITTED TO
ALL NAVY/MARINE CORPS HOST ACTIVITIES**

20 APRIL 1994

**BRAC 1995 ENVIRONMENTAL DATA CALL:
All Navy/Marine Corps Host Activities**

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ENVIRONMENTAL DATA CALL

Responses to the following questions provide data that will allow an assessment of the potential environmental impact associated with the closure or realignment of a Navy shore activity. This criterion consists of:

- Endangered/Threatened Species and Biological Habitat
- Wetlands
- Cultural Resources
- Environmental Facilities
- Air Pollution
- Environmental Compliance
- Installation Restoration
- Land/Air/Water Use

As part of the answers to these questions, a *source citation* (e.g., 1993 base loading, 1993 base-wide Endangered Species Survey, 1993 letter from USFWS, 1993 Base Master Plan, 1993 Permit Application, 1993 PA/SI, etc.) must be included. It is probable that, at some point in the future, you will be asked to provide additional information detailing specifics of individual characteristics. In anticipation of this request, supporting documentation (e.g., maps, reports, letters, etc.) regarding answers to these questions should be retained. Information needed to answer these questions is available from the cognizant EFD Planning and Real Estate Divisions, and Environment, Safety, and Health Divisions; and from the activity Public Works Department, and activity Health Monitoring and Safety Offices.

For purposes of the questions associated with land use at your base is *defined as land* (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); and *water* (navigation channels and waters along a base shoreline) *under the control of the Navy*.

Provide a list of the tenant activities with UICs that are covered in this response.
Aegis Training Unit - N45953: Students - N41968. Customer Support Det.: N49675
Naval Branch Medical Clinic Det. Wallops Island - N48167

ACSC does not own any land, although we report 65 acres as ingranted from NASA on our Class 1 real property inventory. NASA has issued an indefinite time period use permit to ACSC for this land, which they still own. ACSC is responsible for activities on this land to NASA, who is ultimately responsible to higher authorities for all environmental issues. Therefore all answers to questions in this data call refer to the 65 acres of ACSC and all references to "base" in the questions apply only to the 65 acres, and not to the 5000 to 6000 acres that comprise NASA's Wallops Flight Facility.

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

| SPECIES (plant or animal) | Designation (Threatened/ Endangered) | Federal/ State | Critical / Designated Habitat (Acres) | Important Habitat (acres) |
|---|--|-------------------|--|---------------------------------|
| <i>example: Haliaeetus leucocephalus - bald eagle</i> | <i>threatened</i> | <i>Federal</i> | <i>25</i> | <i>0</i> |
| None | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Source Citation: Main Base EA, Radar Surveillance Technology Experimental Radar EA (See enclosed letters)

1b.

| | |
|--|--------|
| Have your base operations or development plans been constrained due to: - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? If so, identify below the impact of the constraints including any restrictions on land use. | YES/NO |
| Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints. | YES/NO |



United States Department of the Interior

FISH AND WILDLIFE SERVICE
DIVISION OF ECOLOGICAL SERVICES
1825 VIRGINIA STREET
ANNAPOLIS, MARYLAND 21401

June 14, 1989

Ms. Angela Judice
Greenhorne & O'Mara, Inc.
9001 Edmonston Road
Greenbelt, MD 20770

Dear Ms. Judice:

This responds to your June 1, 1989, request for information on the presence of species which are Federally listed or proposed for listing as endangered or threatened within the area of the proposed personnel support facilities construction site at Wallops Flight Facility Main Base, Accomack County, Virginia. We have reviewed the information you enclosed and are providing comments in accordance with Section 7 of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

The endangered bald eagle (Haliaeetus leucocephalus) and the threatened piping plover (Charadrius melodus) are both known to nest in the general project area. However, these species do not occur in the project impact area.

Except for occasional transient individuals, no other Federally listed or proposed endangered or threatened species are known to exist in the project impact area. Therefore, no Biological Assessment or further Section 7 Consultation is required with the Fish and Wildlife Service. Should project plans change, or if additional information on the distribution of listed or proposed species becomes available, this determination may be reconsidered.

This response relates only to endangered species under our jurisdiction. It does not address other Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other legislation.

Thank you for your interest in endangered species. If you have any questions or need further assistance, please contact Judy Jacobs of our Endangered Species staff at (301) 269-5448.

Sincerely,

C. A. Morse

John P. Wolflin
Supervisor
Annapolis Field Office



COMMONWEALTH of VIRGINIA

Department of Game and Inland Fisheries

DEPARTMENT OF GAME AND INLAND FISHERIES
1000 COMMONWEALTH BUILDING
RICHMOND, VIRGINIA 23219

June 20, 1989

Angela M. Judice
Greenhorne & O'Mara, Inc.
9001 Edmonston Road
Greenbelt, MD 20770

Dear Ms Judice:

I am writing in response to your request for information about the fish and wildlife resources associated with the proposed site for construction of additional personnel support facilities at the Main Base of the Wallops Flight Facility. I have included a list of all animals and a list of the endangered, threatened, and candidate species that may be associated with the proposed site. These lists were generated from the BCVA database and describe animals that may occur in the geographical area. Field surveys would be necessary to verify the presence or absence of any species listed.

Also included are habitat association profiles for each endangered, threatened & candidate species plus the VDGIF booklet Virginia's Endangered Species.

I would like to give you more details about endangered/threatened/candidate species that may be associated with this site. The eastern tiger salamander (state endangered) has not been recorded near the site but may occur if proper habitat is present. It occurs near vernal sinkhole ponds, especially those associated with woodlands. If such habitat occurs within the proposed area, this species should be considered in an environmental review.

The bald eagle (federal endangered) may forage along the Wattsville Branch. There are no known nests within five miles, however.

A pair of peregrine falcons (federal endangered) was present at the Wallops Island back tower in 1987 & 1988, and a possible incubating female flushed from the tower earlier this summer. These individuals probably forage on or near the proposed site occasionally.

Wilson's plovers (state endangered) and piping plovers (federal threatened) may forage along shorelines and mudflats near the site, but would not be present in upland habitats such as those present at the site.

The Delmarva fox squirrel (federal endangered) occurs at Chincoteague National Wildlife Refuge, but is not known elsewhere in Accomack County.

Endangered plants and insects are under the jurisdiction of the Virginia Department of Agriculture and Consumer Services. Questions concerning endangered plants and insects which may be associated with the site should be directed to Marshall Trammel, Bureau of Plant Protection and Pesticide Regulation, WDACS, Washington Building, 1100 Bank Street, Richmond, VA 23219, (804) 786-3516.

If you need any other assistance, you can contact me at (804) 367-0909 or our Environmental Coordinator, Bill Neal, at (804) 367-3998. We appreciate your interest in the fish and wildlife resources of Virginia.

Sincerely,

Chuck Rosenberg

Chuck Rosenberg
Research Associate



COMMONWEALTH of VIRGINIA

S. MASON CARBAUGH
COMMISSIONER

DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

Division of Product and Industry Regulation

P. O. Box 1163, Richmond, Virginia 23209

BILLY W. SOUTHAL
DIRECTOR

June 13, 1989

Ms. Angela M. Judice
Environmental Scientist
Greenhorne & O'Mara, Inc.
9001 Edmonston Road
Greenbelt, MD 20770

Dear Ms. Judice:

This is in response to your June 1, 1989 letter to Marshall W. Trammell, Jr. requesting review of indigenous species or their habitat for your proposed project (Contract No. N62477-88-D-0102). As of this date there are no state listed plant and insect species within the proposed project area.

By copy of this letter, I am requesting the Virginia Natural Heritage Program to review their data base for rare plant and insect species and legally protected animal species. If you have any questions, please contact me.

Sincerely

A handwritten signature in cursive script, appearing to read "Daniel J. Schweitzer".

Daniel J. Schweitzer
Endangered Species Coordinator
Bureau of Plant Protection
(804) 786-3516

DJS/rsg

cc: Katie Perry, Virginia Natural Heritage Program

T. C. LEYNES JR.
Director



DIVISIONS
ADMINISTRATION
HISTORIC LANDMARKS
PARKS AND RECREATION
SOIL AND WATER CONSERVATION

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND HISTORIC RESOURCES
VIRGINIA NATURAL HERITAGE PROGRAM
203 GOVERNOR STREET, SUITE 402
RICHMOND, VIRGINIA 23219
(804) 756-7951

Angela M. Judice, Environmental Scientist
Greenhorne & O'Mara
9001 Edmonston Road
Greenbelt, Maryland 20770

Dear Angela:

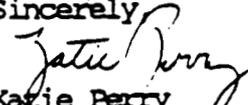
26 June 1989

The Virginia Natural Heritage Program has received your letter requesting information on rare, threatened or endangered species and unique/exemplary natural communities that could be affected by the proposed project (contract No. N62477-88-D-0102). We submit the following comment:

According to the information presently in our files, there are no populations of rare, threatened or endangered plants, animals or natural communities in the project area. The absence of data does not necessarily mean that rare, threatened or endangered species or other significant habitats do not exist on or adjacent to the proposed project site, but rather that our files currently do not contain information documenting the presence of them.

I hope this information is helpful. Please contact us if we can be of further assistance.

Sincerely,


Katie Perry
Environmental Programs Specialist



29 JUN 1990

United States Department of the Interior

FISH AND WILDLIFE SERVICE
DIVISION OF ECOLOGICAL SERVICES
1825 VIRGINIA STREET
ANNAPOLIS, MARYLAND 21401

June 25, 1990

Mr. T. E. Winfield
Public Works Manager
Department of the Navy
AEGIS Combat Systems Center
Wallops Island, Virginia 23337

Re: Endangered species comments on
proposed expansion of AEGIS
Building on Wallops Island

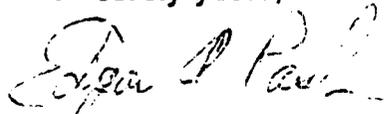
Dear Mr. Winfield:

This responds to your June 6, 1990, letter requesting an update of our August 23, 1989 letter on the presence of endangered and threatened species at Wallops Island relative to the above-referenced property.

This year's shorebird survey revealed 5 adult piping plovers at Wallops. Interestingly, this is the same number that was observed last year. Six adults of the State-listed Wilsons plover (*Charadrius wilsonia*) were also observed. These birds should not be impacted by the proposed project, unless the building expansion involves temporary or permanent alteration of the beach area in the project vicinity. If you anticipate project-related impacts to plover habitat, please contact our office for further consultation.

Thank you for your interest in endangered species. If you have any questions or need further assistance, please contact Judy Jacobs of our Endangered Species staff at (301) 269-5448.

Sincerely yours,


for John P. Wolflin
Supervisor
Annapolis Field Office



21 JUN 1990

COMMONWEALTH of VIRGINIA

Department of Game and Inland Fisheries

4010 WEST BROAD STREET
BOX 11104
RICHMOND, VA 23230
1-800-252-7717 (V/TDD)
(804) 367-1000 (V/TDD)
14 June, 1990

Todd E. Winfield
Department of the Army/AEGIS Center
Wallops Island, Virginia 23337

Mr. Winfield,

This letter is in response to your request for an update of information on threatened or endangered species in the vicinity of Wallops Island.

As indicated in the May 1988 letter, the southern end of Wallops Island is used for nesting by both Wilson's and Piping Plovers, and the entire beach area of the island is used during migration.

A pair of Peregrine Falcons are known to occur in conjunction with the tower, although there was not an active nest this year. Bald Eagles may also be observed in the area, but no nest sites are known to occur on the Island.

Loggerhead sea turtles have nested intermittently on the Island. A crawl crawl was observed along the shore this year, but no egg laying activity followed. Juvenile turtles feed in waters adjacent to Wallops Island and should be taken into consideration.

As stated in my previous letter, specific information on bird species can be obtained by contacting Karen Terwilliger, at (804) 367-6913, and information on sea turtles may be obtained by contacting Jack Musick, at VIMS, at (804) 642-7317.

Information on threatened or endangered plants and insects is available from the Department of Agricultural and can be obtained by contacting Marshall Trammell at P.O. Box 1163, Richmond, Virginia 23209 or by phone at (804) 786-3516.

If you have any questions or need additional information please give me a call at (804) 367-8747, or contact our Environmental Coordinator, Bill Neal, at (804) 367-8998 or at the address above.

Sincerely,

A handwritten signature in cursive script that reads "Helen Elise Kitchel".

Helen Elise Kitchel
Research Associate

071390



S. MASON CARBAUGH
COMMISSIONER

COMMONWEALTH of VIRGINIA
DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
Division of Product and Industry Regulation
P. O. Box 1163, Richmond, Virginia 23209

C. KERMIT SPRUILL
DIRECTOR

July 9, 1990

Mr. Todd E. Winfield
Public Works Officer
Department of the Navy
AEGIS Combat Systems Center
Wallops Island, VA 23337

Dear Mr. Winfield:

Thank you for your July 3, 1990 letter asking about the presence of endangered and threatened plant and insect species on a proposed development site on Wallops Island in Accomack County. I have reviewed the map you included with your letter and can report that no currently listed threatened or endangered plant or insects species are known to exist on the proposed site.

I hope this letter will assist you in your planning for Wallops Island expansion work. If I can get you any additional information, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Marshall W. Trammell, Jr.".

Marshall W. Trammell, Jr.
Program Coordinator
Office of Plant Protection
(804) 786-3516

MWT/rsg

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

1d.

| | |
|---|----------------|
| Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why. | YES/ <u>NO</u> |
|---|----------------|

1e.

| | |
|---|----------------|
| Will any state or local laws and/or regulations applying to endangered/threatened species which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain. | YES/ <u>NO</u> |
|---|----------------|

2. WETLANDS

Note: Jurisdictional wetlands are those areas that meet the wetland definitional criteria detailed in the Corps of Engineers (COE) Wetland Delineation Manual, 1987, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS or officially adapted state definitions.

2a.

| | |
|--|---------------|
| Does your base possess federal jurisdictional wetlands? | <u>YES/NO</u> |
| Has a wetlands survey in accordance with established standards been conducted for your base? | <u>YES/NO</u> |
| When was the survey conducted or when will it be conducted? <u>2</u> / <u>5</u> / <u>91</u> | |
| What percent of the base has been surveyed? | 100% |
| What is the total acreage of jurisdictional wetlands present on your base? | 0 |

Source Citation: 60-Acre EA, RSTER EA

2b. If the area of the wetlands has not been identified on base maps provided in Data Call 1, submit this on an updated version of Data Call 1 map.

No wetlands on Navy-administered areas.

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland? Yes If YES, summarize the results of such modifications or constraints.

Development plans for the RSTER tower access road required minor modification to avoid wetlands. No operations were constrained or affected.

3. CULTURAL RESOURCES

3a.

| | |
|--|---------------|
| Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below. | <u>YES/NO</u> |
|--|---------------|

No sites found. Source: Archeological Investigation, Wallops Flight Facility, Mainbase, Wallops Island, Virginia (prepared by Greenhorne & O'Mara, Inc., April 1990). RSTER EA; see enclosed letters.

PHASE I

**ARCHEOLOGICAL INVESTIGATION
WALLOPS FLIGHT FACILITY, MAINBASE
WALLOPS ISLAND, VIRGINIA**



Prepared for:

**CHESAPEAKE DIVISION,
NAVAL FACILITIES ENGINEERING COMMAND**

APRIL 1990

Prepared by:

Greenhorne & O'Mara, Inc.

9001 Edmonston Road

Greenbelt, Maryland 20770





DEPARTMENT OF THE NAVY
AEGIS COMBAT SYSTEMS CENTER
WALLOPS ISLAND, VIRGINIA 23337

5750
Ser 5000/ 220

30 APR 1991

State Historic Preservation Officer
ATTN: Mr. Bruce Larson
Virginia Department of Historic Resources
221 Governor Street
Richmond, Virginia 23219

Gentlemen:

We are planning to construct a small tower on Wallops Island, Accomack County, Virginia as shown in enclosure (1). The shaded area will be graded with some fill to permit access. The total area impacted should be less than half an acre.

The site is adjacent to an area previously assessed by your office (enclosures 2 and 3). No known evidence of archaeological remains has been found in this area. We therefore believe that this project will have no impact upon any historic or cultural structures on or eligible for the National Register of Historic Places under the terms of the National Historic Preservation Act. We solicit your concurrence by signing on the signature line below and returning this letter to us.

If you have questions, or if you need further information, please contact Marilyn Ailes of my staff at (804) 824-2082.

Sincerely,

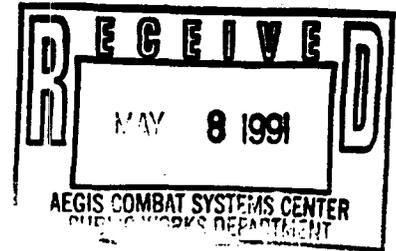
TODD E. WINFIELD
Public Works Officer
By direction of the
Commanding Officer

Encl:

- (1) Map of RSTER Site
- (2) Maps of ACSC Site
- (3) VHLC ltr of 20 JUN 80

Concur

Date



COMMONWEALTH of VIRGINIA

Department of Historic Resources

221 Governor Street
Richmond, Virginia 23219

gh C. Miller, Director

TDD: (804) 786-1934
Telephone (804) 786-3143
FAX: (804) 225-4261

MEMORANDUM

DATE: May 2, 1991 DHR file # 91-664-F

TO: Todd Winfield and Marilyn Ailes
Public Works Department
Building Q-29
Aegis Combat Systems Center
Wallop Island, Va 23337

FROM: Elizabeth P. Hoge, Review and Compliance Officer, Architecture
Ethel R. Eaton, Review and Compliance Officer, Archaeology
Mary Harding Sadler, Historical Architect

ROJECT: Tower on Wallops Island

LOCATION: Accomack County, Virginia

 The Department of Historic Resources has completed its review of the Phase 1 archeological survey report on the above project. No further archeological investigations are warranted.

 X The proposed project will have no effect on properties that are listed or eligible for listing in the National Register of Historic Places. You have met the requirements of Section 106 of the National Historic Preservation Act as per 36 CFR 800.

 The proposed project will have no adverse effect on properties that are listed or eligible for listing in the National Register of Historic Places. Please be advised that as per 36 CFR 800.5(d), in cases where the effect of a project is not considered adverse, you are required to notify the Advisory Council on Historic Preservation and submit summary documentation for their review.

Comments:



CK NEWMAN, CHAIRMAN
 SPURF, VICE CHAIRMAN
 BOWMAN
 LIAM O. BUNDY, JR.
 HARRISON, III
 HAYNES
 MCNEER, HIGGINS
 DR. D. NICHOLAS
 J. SUTHERLAND

COMMONWEALTH of VIRGINIA

Virginia Historic Landmarks Commission

RESEARCH CENTER FOR ARCHAEOLOGY

Wren Kitchen

The College of William and Mary

Williamsburg, Virginia 23185

TELEPHONE: (804) 253-4836

June 20, 1980

MEMORANDUM

TO: E. C. Freiling

FROM: Alain C. Outlaw, Commissioner

PROJECT: Wallops Island building and parking lot

LOCATION: Accomack County

Documentary Research and a review of our archaeological site inventory indicate:

- Archaeological sites will not be affected by this project. If, however, archaeological remains are unexpectedly encountered during construction, this office should be notified immediately.
- Archaeological sites are known to be located within the project area and will be adversely impacted. Further archaeological work is necessary to assess the significance of these sites. Therefore this project has been forwarded to a VRCA Regional Preservation Office which will perform a complimentary on-site inspection. Upon the completion of this work, you will be notified of the results of this work.
- Due to the archaeological potential of this location, a field survey is necessary to determine the extent and significance of the archaeological remains to be affected by this project. Therefore this project has been forwarded to a VRCA Regional Preservation Office which will perform a complimentary on-site inspection. Upon completion of this survey you will be notified of the presence or absence of archaeological remains within the project area.
- Due to the archaeological potential of this location, a field survey is necessary. However this survey work exceeds that which may be performed by a VRCA Regional Preservation Office as a courtesy survey. Please find enclosed a list of contract archaeologists who have expressed an interest in performing such surveys. Upon completion of this survey, the VRCA should be furnished with a copy of the resulting report so that it may complete its evaluation process.
- Due to previous disturbance of the terrain to be impacted by this project the archaeological potential is nullified. Therefore there is no need for an archaeological survey to be performed. If, however, archaeological remains are unexpectedly encountered during construction, the VRCA should be notified immediately.

A preliminary on-site inspection of the project area indicates:

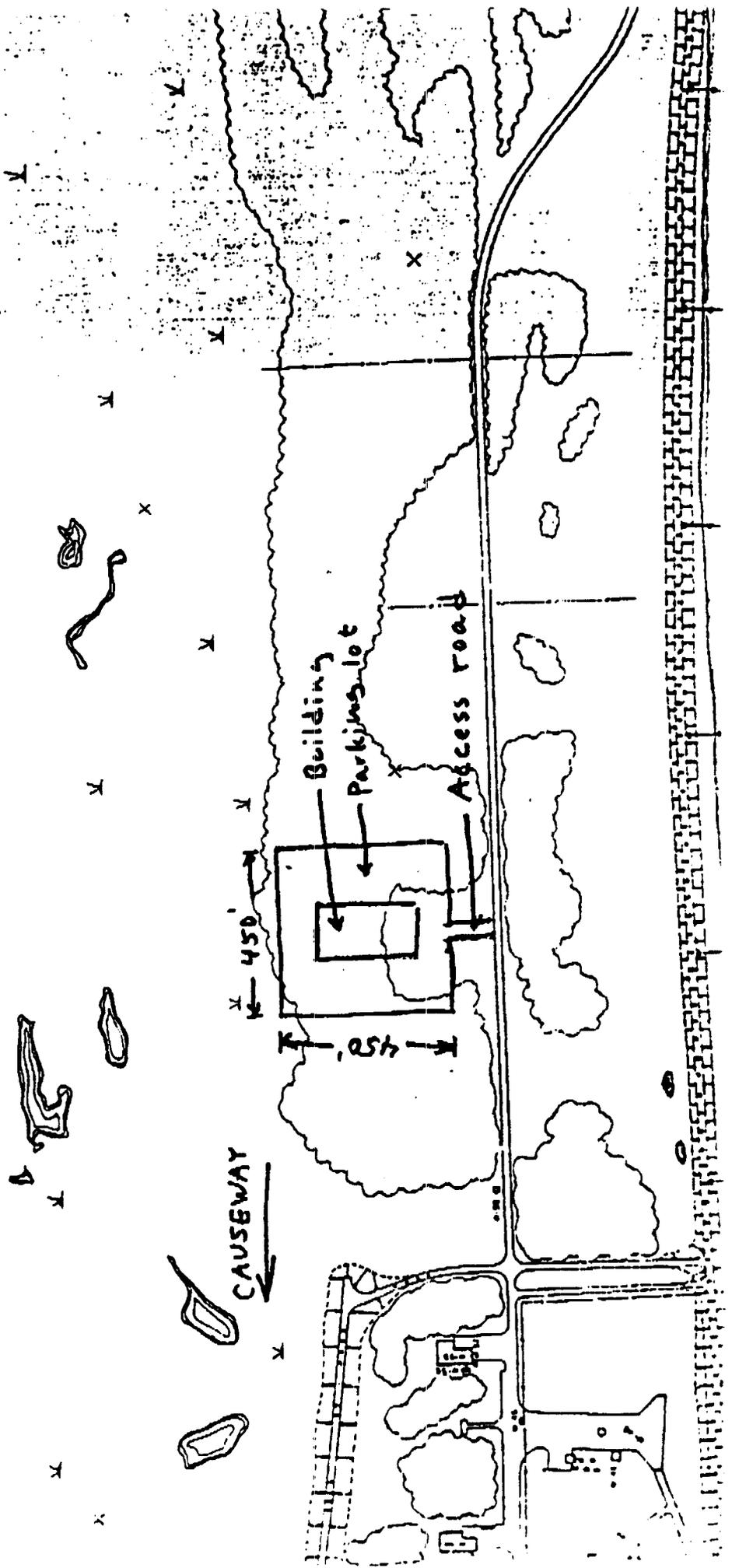
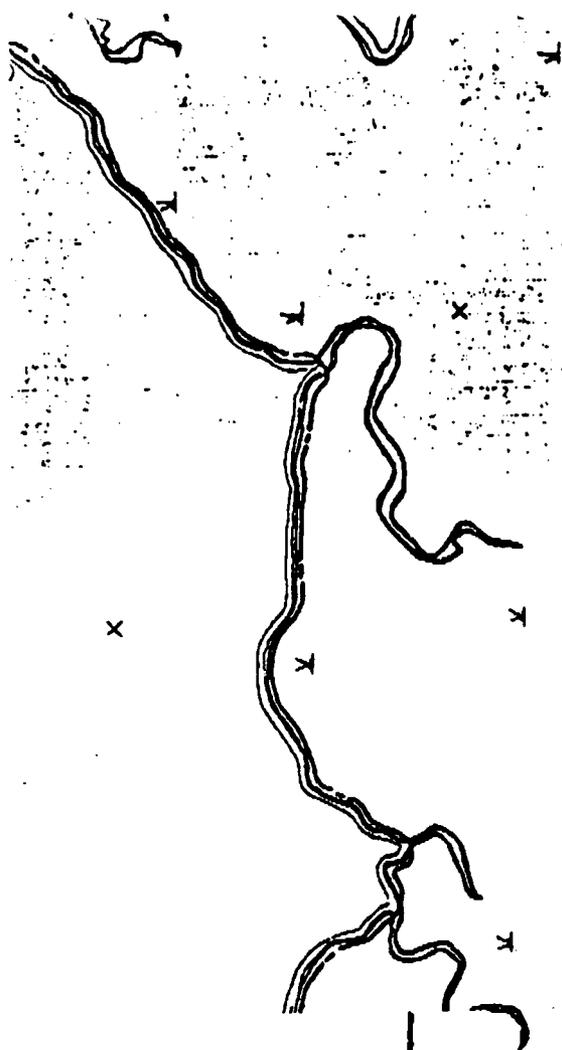
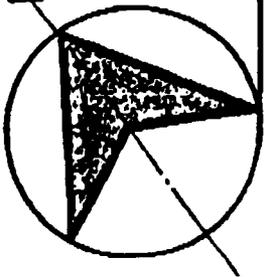
- no significant archaeological remains.

Comments:

For further information, please contact Ann Crossman Phone 804-253-4836

ENCLOSURE 3

ISLAND VII SITE PLAN



3b.

YES/NO

| | |
|---|---------------|
| <p>Has the President's Advisory Council on Historic Preservation or the cognizant State Historic Preservation Officer required you to mitigate or constrain base operations or development plans in any way in order to accommodate a National Register cultural resource? If YES, list the results of such modifications or constraints below.</p> | <p>YES/NO</p> |
|---|---------------|

3c.

| | |
|--|---------------|
| <p>Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.</p> | <p>YES/NO</p> |
|--|---------------|

4. ENVIRONMENTAL FACILITIES

Notes: If your facility is permitted for less than maximum capacity, state the maximum capacity and explain below the associated table why it is not permitted for maximum capacity. Under "Permit Status" state when the permit expires, and whether the facility is operating under a waiver. For permit violations, limit the list to the last 5 years.

4a.

| Does your base have an operating landfill? | | | | | YES / NO |
|--|--------------------------|-----------|------------------------|-----------------------|---------------|
| ID/Location of Landfill | Permitted Capacity (CYD) | | Maximum Capacity (CYD) | Contents ¹ | Permit Status |
| | TOTAL | Remaining | | | |
| | | | | | |
| | | | | | |
| | | | | | |

¹ Contents (e.g. building demolition, asbestos, sanitary debris, etc)

Are there any current or programmed projects to correct deficiencies or improve the facility.

4b. If there are any non-Navy users of the landfill, describe the user and conditions/agreements.

NA

4c.

| Does your base have any disposal, recycling, or incineration facilities for solid waste? | | | | | YES / NO |
|--|--------------------|----------------------|------------------|---------------|----------|
| Facility/Type of Operation | Permitted Capacity | Ave Daily Throughput | Maximum Capacity | Permit Status | Comments |
| | | | | | |
| | | | | | |
| | | | | | |

List any permit violations and projects to correct deficiencies or improve the facility.

4d.

| Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ? | | | | | YES / NO |
|---|--------------------|--------------------------|------------------|---------------|-------------------------------|
| ID/Location of WWTP | Permitted Capacity | Ave Daily Discharge Rate | Maximum Capacity | Permit Status | Level of Treatment/Year Built |
| | | | | | |
| | | | | | |
| | | | | | |

List permit violations and discuss any projects to correct deficiencies.

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

Per NASA's WWTP manager:

ACSC discharges to NASA's WWTP with no set limits. WWTP is currently in compliance.

ACSC total use/month: 0.76×10^6 gallons (averaged from utilities spreadsheets)

4f.

| Does your base operate an Industrial Waste Treatment Plant (IWTP)? | | | | | YES / <u>NO</u> |
|--|-------------------|--------------------|--------------------------|------------------|-----------------|
| ID/Location of IWTP | Type of Treatment | Permitted Capacity | Ave Daily Discharge Rate | Maximum Capacity | Permit Status |
| | | | | | |
| | | | | | |
| | | | | | |

List any permit violations and projects to correct deficiencies or improve the facility.

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

None

4h.

| Does your base operate drinking Water Treatment Plants (WTP)? | | | | YES / <u>NO</u> | |
|---|--------------------|------------|---------------------|------------------|---------------|
| ID/Location of WTP | Operating (GPD) | | Method of Treatment | Maximum Capacity | Permit Status |
| | Permitted Capacity | Daily Rate | | | |
| | | | | | |
| | | | | | |
| | | | | | |

List permit violations and projects/actions to correct deficiencies or improve the facility.

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

NASA supplies water from wells. Deep wells have just been completed. There are no terms or limits on the capacity of the wells, and no expected restrictions on ACSC use.

4j.

| | |
|--|----------------|
| Does the presence of contaminants or lack of supply of water constrain base operations. Explain. | YES/ <u>NO</u> |
|--|----------------|

4k.

| | |
|---|----------------|
| Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions. | YES/ <u>NO</u> |
| If NO, why not and provide explanation of plan to achieve permitted status. | |

Per NASA's Environmental Protection Specialist:

NASA holds SPDES (stormwater) permits; compliance has been achieved. No future requirements are expected.

4l.

YES/NO

| | |
|--|----|
| Does your base have bilge water discharge problem? | No |
| Do you have a bilge water treatment facility? | No |

Explain:

There are no ships or docks, hence no bilge water.

4m.

| | |
|---|----------------|
| Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain. | YES/ <u>NO</u> |
|---|----------------|

Per NASA's Facility Management Specialist.

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain.

Per NASA's Environmental Protection Specialist:

NASA's design capacity on the WWTP is 24.4 x 10⁶ gal/mo, but state permit is for 9.12 x 10⁶ gallons. Current overall Wallops Flight Facility use/month: 2.13 x 10⁶ gallons. A new permit was issued 4/94 to NASA by the State; NASA has four years to comply. NASA anticipates a need to upgrade or rebuild to meet new requirements in 1998. Navy discharge is not considered a contributing factor to meeting the new requirements.

Potable Water treatment plant:

Main Base: Present permit - 8.00, anticipated permit level - 4.35, ACSC use - 0.38
Wallops Island: Present permit - 3.86, anticipated permit level - 1.52, ACSC use - 0.52
All figures in 10⁶ gallons/month. ACSC use averaged from utilities spreadsheets, 1990-1994.
The Eastern Shore Groundwater Management Area mandates a limitation on water withdrawn from the aquifer, which has no external recharge sources. The State is looking closely at requests for increased withdrawals, but with sufficient justification and funding, increases would probably be possible. Physical limitations due to saltwater intrusion exist but are unknown. NASA is a non-DOD agency. Any expansion/upgrade required by NASA is not reflected in any DOD budget.

40. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

No: compliance requirements are increasing, but NASA considers Navy impact on capacity to be minimal. Increased capacity would probably require increased justification and funding.

5. AIR POLLUTION

5a.

| |
|--|
| <p>What is the name of the Air Quality Control Areas (AQCA) in which the base is located? Wallops Island is an attainment area and hence is not in an Air Quality Control Area.</p> |
| <p>Is the installation or any of its OLFs or non-contiguous base properties located in different AQCA's? <u>No</u> . List site, location and name of AQCA.</p> |

5b. For each parcel in a separate AQCA fill in the following table. Identify with and "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NA AQCA: _____

| Pollutant | Attainment | Non-Attainment | Maintenance | Target Attainment Year ¹ | Comments ² |
|-----------------|------------|----------------|-------------|-------------------------------------|-----------------------|
| CO | | | | | |
| Ozone | | | | | |
| PM-10 | | | | | |
| SO ₂ | | | | | |
| NO ₂ | | | | | |
| Pb | | | | | |

¹ Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

² Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NO_x, VOC, PM₁₀ for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

| Emission Sources (Tons/Year) | | | | | |
|------------------------------|----------------------|----------------------|--------------------|--------------|-------|
| Pollutant | Permitted Stationary | Personal Automobiles | Aircraft Emissions | Other Mobile | Total |
| CO | 0 | 1.12 | NA | NA | 1.12 |
| NO _x | 0 | 0.18 | NA | NA | 0.18 |
| VOC | 0 | 0.10 | NA | NA | 0.10 |
| PM ₁₀ | 0 | NA | NA | NA | NA |

Source Document: EPA AP42

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NO_x, VOC, PM₁₀ for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

| Emissions Sources (Tons/Year) | | | | | |
|-------------------------------|----------------------|----------------------|--------------------|--------------|-------|
| Pollutant | Permitted Stationary | Personal Automobiles | Aircraft Emissions | Other Mobile | Total |
| CO | 0 | 1.83 | NA | NA | 1.83 |
| NO _x | 0 | 0.26 | NA | NA | 0.26 |
| VOC | 0 | 0.17 | NA | NA | 0.17 |
| PM ₁₀ | 0 | NA | NA | NA | NA |

Source Document: EPA AP-42

Emission Calculations

Assumptions: 25% of vehicles are trucks. Average vehicle is 3 years old and has 25,000 miles. Vehicles average 2 miles/day on base.

Estimates of number of vehicles based on total capacity of each parking lot, and estimate of normal percent of spots left open on a daily basis in that year (estimate from Base Security)

(grams/mile) of emissions taken from enclosed EPA charts.

(grams/mile)(2 miles/day)(# vehicles) = total grams/day for trucks or cars

(grams/day)(365 days/year)/(907000 grams/ton) = .000402 tons/year

(total grams/day)(.000402 tons/year) = total tons/year

| | <u>1990</u> | <u>1993</u> |
|---|-------------|-------------|
| Average daily number of vehicles on base | 250 | 394 |
| Cars | 188 | 296 |
| Trucks | 62 | 98 |
| Volatile Organic Compounds in tons/year | | |
| Cars | 0.07 | 0.11 |
| Trucks | 0.03 | 0.06 |
| TOTAL | 0.10 | 0.17 |
| Carbon Monoxide in tons/year | | |
| Cars | 0.75 | 1.19 |
| Trucks | 0.37 | 0.64 |
| TOTAL | 1.12 | 1.83 |
| Nitrates in tons/year | | |
| Cars | 0.12 | 0.18 |
| Trucks | 0.06 | 0.08 |
| TOTAL | 0.18 | 0.26 |

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TABLE 1.2.18

EXHAUST EMISSION RATES FOR
LOW ALTITUDE
LIGHT DUTY GASOLINE POWERED TRUCKS :
AT VARIOUS MILEAGE LEVELS
(RATES INCLUDE TAMPERING)

| Pollutant | Model Years | Emission Rate (Grams/Mile) | | | | | | | |
|-----------|-------------|----------------------------|--------|--------|--------|--------|---------|---------|---------|
| | | 0K | 25K | 50K | 75K | 100K | 125K | 150K | |
| HC | Pre-1968 | 7.250 | 7.700 | 8.150 | 8.600 | 9.050 | 9.500 | 9.950 | |
| | 1968-1969 | 4.448 | 5.074 | 5.704 | 6.333 | 6.963 | 7.592 | 8.222 | |
| | 1970-1971 | 3.019 | 3.944 | 4.874 | 5.803 | 6.733 | 7.662 | 8.592 | |
| | 1972 | 3.390 | 3.824 | 4.258 | 4.692 | 5.126 | 5.560 | 5.994 | |
| | 1973-1974 | 3.449 | 3.901 | 4.353 | 4.806 | 5.258 | 5.710 | 6.162 | |
| | 1975 | 2.383 | 3.291 | 4.200 | 5.101 | 6.011 | 6.921 | 7.832 | |
| | 1976 | 2.486 | 3.388 | 4.295 | 5.200 | 6.104 | 7.009 | 7.914 | |
| | 1977-1978 | 2.414 | 3.338 | 4.260 | 5.185 | 6.110 | 7.034 | 7.959 | |
| | 1979-1980 | 1.552 | 2.502 | 3.327 | 4.152 | 4.977 | 5.802 | 6.627 | |
| | 1981 | 0.898 | 1.418 | 1.938 | 2.458 | 2.978 | 3.498 | 4.018 | |
| | 1982 | 0.898 | 1.418 | 1.937 | 2.458 | 2.978 | 3.498 | 4.018 | |
| | 1983 | 0.893 | 1.410 | 1.962 | 2.486 | 3.014 | 3.542 | 4.070 | |
| | 1984 | 0.770 | 1.286 | 1.840 | 2.416 | 2.970 | 3.524 | 4.078 | |
| | 1985 | 0.476 | 0.812 | 1.184 | 1.577 | 1.970 | 2.362 | 2.754 | |
| | 1986 | 0.423 | 0.749 | 1.105 | 1.480 | 1.864 | 2.248 | 2.632 | |
| | 1987 | 0.358 | 0.661 | 0.988 | 1.331 | 1.674 | 2.017 | 2.360 | |
| | 1988-1991 | 0.418 | 0.719 | 1.045 | 1.386 | 1.727 | 2.068 | 2.409 | |
| | 1992+ | 0.408 | 0.709 | 1.035 | 1.376 | 1.723 | 2.065 | 2.405 | |
| | CO | Pre-1968 | 78.270 | 83.895 | 89.520 | 95.145 | 100.770 | 106.395 | 112.020 |
| | | 1968-1969 | 56.671 | 63.147 | 68.623 | 75.100 | 81.576 | 88.052 | 94.528 |
| 1970-1971 | | 42.519 | 50.446 | 58.375 | 66.306 | 74.236 | 82.167 | 90.097 | |
| 1972 | | 41.474 | 47.786 | 54.098 | 60.410 | 66.722 | 73.034 | 79.346 | |
| 1973-1974 | | 42.863 | 49.598 | 56.334 | 63.070 | 69.805 | 76.541 | 83.276 | |
| 1975 | | 30.891 | 38.527 | 46.163 | 53.799 | 61.435 | 69.071 | 76.707 | |
| 1976 | | 31.860 | 40.514 | 50.081 | 59.372 | 68.663 | 77.954 | 87.245 | |
| 1977-1978 | | 30.972 | 38.808 | 46.644 | 54.480 | 62.316 | 70.152 | 77.988 | |
| 1979-1980 | | 18.574 | 28.060 | 37.298 | 46.236 | 55.174 | 64.112 | 73.050 | |
| 1981 | | 13.246 | 18.478 | 24.228 | 30.187 | 36.258 | 42.329 | 48.400 | |
| 1982 | | 13.222 | 18.488 | 24.332 | 30.280 | 36.336 | 42.408 | 48.484 | |
| 1983 | | 13.179 | 18.364 | 24.108 | 30.089 | 36.084 | 42.044 | 47.967 | |
| 1984 | | 9.978 | 15.194 | 21.032 | 27.068 | 33.177 | 39.221 | 45.265 | |
| 1985 | | 7.531 | 10.840 | 14.748 | 18.841 | 23.000 | 27.100 | 31.167 | |
| 1986 | | 5.214 | 8.314 | 12.879 | 16.607 | 20.400 | 24.139 | 27.849 | |
| 1987 | | 4.661 | 7.419 | 10.949 | 13.787 | 17.062 | 20.306 | 23.532 | |
| 1988 | | 5.531 | 8.282 | 11.342 | 14.529 | 17.782 | 20.945 | 24.121 | |
| 1989 | | 5.501 | 8.232 | 11.312 | 14.499 | 17.722 | 20.915 | 24.091 | |
| 1990 | | 5.461 | 8.192 | 11.272 | 14.459 | 17.682 | 20.875 | 24.051 | |
| 1991 | | 5.451 | 8.182 | 11.262 | 14.449 | 17.672 | 20.865 | 24.041 | |
| 1992+ | 5.311 | 8.042 | 11.122 | 14.309 | 17.532 | 20.725 | 23.901 | | |
| NOx | Pre-1968 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 | |
| | 1968-1972 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 | |
| | 1973 | 2.886 | 3.116 | 3.286 | 3.416 | 3.586 | 3.717 | 3.887 | |
| | 1974 | 2.878 | 3.134 | 3.281 | 3.447 | 3.603 | 3.760 | 3.916 | |
| | 1975-1978 | 3.001 | 3.234 | 3.487 | 3.700 | 3.933 | 4.166 | 4.399 | |
| | 1979-1980 | 2.109 | 2.438 | 2.762 | 3.089 | 3.416 | 3.744 | 4.071 | |
| | 1981 | 1.640 | 1.786 | 1.981 | 2.245 | 2.508 | 2.774 | 3.038 | |
| | 1982 | 1.640 | 1.787 | 1.982 | 2.246 | 2.511 | 2.776 | 3.041 | |
| | 1983 | 1.641 | 1.788 | 1.986 | 2.252 | 2.519 | 2.786 | 3.053 | |
| | 1984 | 1.122 | 1.372 | 1.672 | 2.042 | 2.413 | 2.783 | 3.153 | |
| | 1985 | 1.243 | 1.432 | 1.652 | 1.981 | 2.352 | 2.722 | 3.092 | |
| | 1986 | 1.085 | 1.269 | 1.509 | 1.812 | 2.120 | 2.428 | 2.735 | |
| | 1987 | 0.926 | 1.147 | 1.429 | 1.777 | 2.134 | 2.488 | 2.840 | |
| | 1988-1989 | 0.836 | 1.023 | 1.239 | 1.489 | 1.742 | 2.012 | 2.282 | |
| 1990-1991 | 0.826 | 1.013 | 1.228 | 1.478 | 1.732 | 2.002 | 2.272 | | |
| 1992+ | 0.786 | 0.963 | 1.199 | 1.448 | 1.702 | 1.952 | 2.202 | | |

DATE : MAY 19, 1989

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TABLE 1.1.1B

EXHAUST EMISSION RATES FOR
LOW ALTITUDE
LIGHT DUTY GASOLINE POWERED VEHICLES
AT VARIOUS MILEAGE LEVELS
(RATES INCLUDE TAMPERING)

| Poll | Model Years | Emission Rate (Grams/Mile) | | | | | | |
|-------|-------------|----------------------------|--------|--------|--------|---------|---------|---------|
| | | OK | 25K | 50K | 75K | 100K | 125K | 150K |
| HC | Pre-1968 | 7.250 | 7.700 | 8.150 | 8.600 | 9.050 | 9.500 | 9.950 |
| | 1968-1969 | 4.430 | 5.058 | 5.689 | 6.321 | 6.952 | 7.584 | 8.215 |
| | 1970-1971 | 3.000 | 3.828 | 4.656 | 5.484 | 6.312 | 7.140 | 7.968 |
| | 1972 | 2.380 | 3.785 | 4.188 | 4.612 | 5.028 | 5.438 | 5.851 |
| | 1973-1974 | 2.360 | 3.796 | 4.238 | 4.675 | 5.115 | 5.554 | 5.994 |
| | 1975 | 1.168 | 2.044 | 2.887 | 3.676 | 4.488 | 5.221 | 6.044 |
| | 1976 | 1.172 | 2.058 | 2.878 | 3.688 | 4.528 | 5.272 | 6.078 |
| | 1977 | 1.172 | 2.058 | 2.870 | 3.688 | 4.508 | 5.222 | 6.041 |
| | 1978-1979 | 1.179 | 2.073 | 2.891 | 3.698 | 4.540 | 5.268 | 6.088 |
| | 1980 | 0.477 | 0.818 | 1.183 | 1.608 | 2.102 | 2.678 | 3.375 |
| | 1981 | 0.330 | 0.557 | 0.813 | 1.118 | 1.623 | 2.029 | 2.438 |
| | 1982 | 0.317 | 0.541 | 0.783 | 1.067 | 1.590 | 1.935 | 2.322 |
| | 1983 | 0.268 | 0.462 | 0.672 | 1.008 | 1.344 | 1.681 | 2.021 |
| | 1984 | 0.253 | 0.456 | 0.675 | 1.011 | 1.347 | 1.684 | 2.023 |
| | 1985 | 0.265 | 0.458 | 0.687 | 0.993 | 1.318 | 1.646 | 1.978 |
| | 1986 | 0.276 | 0.460 | 0.688 | 0.993 | 1.272 | 1.579 | 1.867 |
| | 1987 | 0.275 | 0.459 | 0.686 | 0.986 | 1.257 | 1.587 | 1.858 |
| | 1988 | 0.278 | 0.459 | 0.684 | 0.982 | 1.250 | 1.548 | 1.847 |
| | 1989 | 0.280 | 0.461 | 0.686 | 0.981 | 1.247 | 1.542 | 1.839 |
| | 1990 | 0.282 | 0.461 | 0.683 | 0.946 | 1.239 | 1.532 | 1.826 |
| | 1991 | 0.284 | 0.462 | 0.682 | 0.943 | 1.232 | 1.523 | 1.818 |
| 1992+ | 0.288 | 0.463 | 0.680 | 0.938 | 1.226 | 1.514 | 1.803 | |
| CO | Pre-1968 | 78.270 | 83.885 | 88.320 | 93.148 | 100.770 | 108.388 | 112.020 |
| | 1968-1969 | 56.340 | 62.776 | 68.288 | 73.820 | 82.342 | 88.663 | 95.385 |
| | 1970-1971 | 42.170 | 50.088 | 58.037 | 66.015 | 73.883 | 81.871 | 89.849 |
| | 1972 | 40.840 | 46.843 | 53.126 | 59.308 | 68.481 | 71.674 | 77.857 |
| | 1973-1974 | 40.840 | 47.200 | 53.888 | 60.786 | 67.984 | 74.382 | 81.180 |
| | 1975 | 18.700 | 26.575 | 35.140 | 43.817 | 52.521 | 61.236 | 69.957 |
| | 1976 | 18.781 | 26.664 | 35.187 | 43.781 | 52.423 | 61.077 | 69.737 |
| | 1977 | 18.781 | 26.664 | 35.047 | 43.604 | 51.978 | 60.468 | 68.984 |
| | 1978-1979 | 18.823 | 26.784 | 35.134 | 43.607 | 52.103 | 60.613 | 69.130 |
| | 1980 | 7.164 | 10.667 | 14.846 | 19.481 | 24.011 | 28.878 | 33.180 |
| | 1981 | 3.442 | 6.636 | 10.124 | 16.415 | 22.708 | 29.008 | 35.332 |
| | 1982 | 3.440 | 6.484 | 9.746 | 15.571 | 21.398 | 27.231 | 33.086 |
| | 1983 | 2.783 | 4.980 | 7.437 | 11.572 | 15.708 | 19.850 | 24.008 |
| | 1984 | 2.481 | 4.840 | 7.433 | 11.546 | 15.660 | 19.781 | 23.816 |
| | 1985 | 2.880 | 4.827 | 7.437 | 11.448 | 15.464 | 19.480 | 23.630 |
| | 1986 | 2.813 | 4.975 | 7.321 | 10.847 | 14.874 | 18.208 | 21.848 |
| | 1987 | 2.786 | 4.957 | 7.303 | 10.778 | 14.248 | 17.725 | 21.208 |
| | 1988 | 2.808 | 4.879 | 7.308 | 10.787 | 14.205 | 17.687 | 21.116 |
| | 1989 | 2.834 | 4.882 | 7.307 | 10.740 | 14.173 | 17.610 | 21.054 |
| | 1990 | 2.862 | 5.007 | 7.310 | 10.728 | 14.146 | 17.568 | 20.987 |
| | 1991 | 2.818 | 5.034 | 7.307 | 10.689 | 14.083 | 17.478 | 20.874 |
| 1992+ | 2.864 | 5.087 | 7.307 | 10.870 | 14.033 | 17.400 | 20.774 | |
| NOx | Pre-1968 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 | 3.440 |
| | 1968-1972 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 | 4.350 |
| | 1973 | 2.822 | 3.083 | 3.244 | 3.405 | 3.565 | 3.726 | 3.887 |
| | 1974 | 2.830 | 3.085 | 3.280 | 3.428 | 3.581 | 3.786 | 3.922 |
| | 1975-1976 | 2.638 | 2.848 | 3.081 | 3.273 | 3.486 | 3.688 | 3.911 |
| | 1977-1978 | 1.867 | 2.378 | 2.765 | 3.154 | 3.542 | 3.931 | 4.320 |
| | 1980 | 1.726 | 2.031 | 2.337 | 2.642 | 2.948 | 3.253 | 3.558 |
| | 1981 | 0.654 | 0.848 | 1.085 | 1.312 | 1.568 | 1.826 | 2.083 |
| | 1982 | 0.636 | 0.840 | 1.088 | 1.328 | 1.584 | 1.861 | 2.128 |
| | 1983 | 0.638 | 0.780 | 0.888 | 1.088 | 1.278 | 1.470 | 1.660 |
| | 1984 | 0.657 | 0.787 | 0.922 | 1.116 | 1.310 | 1.504 | 1.698 |
| | 1985 | 0.655 | 0.775 | 0.910 | 1.104 | 1.298 | 1.482 | 1.686 |
| | 1986 | 0.645 | 0.768 | 0.900 | 1.094 | 1.288 | 1.482 | 1.676 |
| | 1987 | 0.651 | 0.768 | 0.900 | 1.080 | 1.278 | 1.488 | 1.688 |
| | 1988 | 0.650 | 0.767 | 0.898 | 1.088 | 1.278 | 1.488 | 1.688 |
| | 1989 | 0.648 | 0.768 | 0.897 | 1.087 | 1.276 | 1.488 | 1.686 |
| | 1990 | 0.646 | 0.763 | 0.888 | 1.085 | 1.274 | 1.484 | 1.684 |
| | 1991 | 0.642 | 0.759 | 0.891 | 1.081 | 1.270 | 1.480 | 1.680 |
| | 1992+ | 0.638 | 0.756 | 0.888 | 1.078 | 1.267 | 1.457 | 1.647 |

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824-2086

DATE : MAY 19, 1993

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

None anticipated.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

Yes: Assateague Island National Seashore (5 miles from island)
Chincoteague National Wildlife Refuge (6 miles from main base)

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

None

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets. Is there any potential for getting ERCs?

No ERCs; no potential.

6. ENVIRONMENTAL COMPLIANCE

- 6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7 or recurring costs included in question 6c. For the last two columns provide the combined total for those two FY's.

| Program | Survey Completed? | Costs in \$K to correct deficiencies | | | | | |
|---|-------------------|--------------------------------------|------|------|------------------|---------|---------|
| | | FY94 | FY95 | FY96 | FY97 | FY98-99 | FY00-01 |
| Air | 6/94 | 150 ¹ | | | 250 ² | | |
| Hazardous Waste | yes | | | | | | |
| Safe Drinking Water Act | yes | | | | | | |
| PCBs | yes | | | | | | |
| Other (non-PCB) Toxic Substance Control Act | yes | | | | | | |
| Lead Based Paint | yes | | | | | | |
| Radon | yes | | | | | | |
| Clean Water Act | yes | | | | | | |
| Solid Waste | yes | | | | | | |
| Oil Pollution Act | yes | | | | | | |
| USTs | yes | 30 ³ | | | | | |
| Other: Pollution Prevention | 10/94 | | | | | | |
| Total | | 180 | 0 | 0 | 250 | 0 | 0 |

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

- 1: Replace chiller at V-20 (contain Class I Ozone Depleting Substance)(7/94-8/94)
- 2: Replace halon fire control system (Class I)(7/97-11/97)
- 3: Replace decaying underground storage tank (9/94-12/94)

6b.

Does your base have structures containing asbestos? No What % of your base has been surveyed for asbestos? 100% Are additional surveys planned? No What is the estimated cost to remediate asbestos (\$K) NA. Are asbestos survey costs based on encapsulation, removal or a combination of both? NA

6c. Provide detailed cost of operational (environmental) compliance costs, with funding source.

| Funding Source | FY92 | FY93 | FY94 | FY95 | FY96 | FY97 | FY98-99 | FY00-01 |
|-----------------|------|------|------|------|------|------|---------|---------|
| O&MN | | 1.5 | 3 | 3 | 3 | 3.5 | 8 | 8 |
| HA | | | | | | | | |
| PA | | | | | | | | |
| Other (specify) | | | | | | | | |
| TOTAL | | | | | | | | |

Hazardous waste pickup in housing, roughly \$2K in 1994, + potable water testing for lead, roughly \$1K in 1994. Increased for inflation in outyears. Hazardous waste pickup began in 1993; lead testing began to be charged to ACSC 1993. Most environmental compliance costs are absorbed by NASA as part of per capita charge to tenants. No separate costs are broken out by NASA.

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base. No

7. INSTALLATION RESTORATION

7a.

| | |
|--|--------|
| Does your base have any sites that are contaminated with hazardous substances or petroleum products? | YES/NO |
| Is your base an NPL site or proposed NPL site? | No |

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI. NA

| Site # or name | Type site ¹ | Groundwater Contaminated? | Extends off base? | Drinking Water Source? | Cost to Complete (\$M)/Est. Compl. Date | Status ² /Comments |
|----------------|------------------------|---------------------------|-------------------|------------------------|---|-------------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

No

7d.

| | |
|---|--------|
| Is there a groundwater treatment system in place? | YES/NO |
| Is there a groundwater treatment system planned? | YES/NO |

State scope and expected length of pump and treat operation.

7e.

| | |
|--|--------|
| Has a RCRA Facilities Assessment been performed for your base? | YES/NO |
|--|--------|

NASA underwent assessment on their base (of which ACSC is a tenant) in 1988.

7f. Does your base operate any "Conforming Storage" facilities for handling **hazardous materials**? If YES, describe facility, capacity, restrictions, and permit conditions.

No

7g. Does your base operate any "Conforming Storage" facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.

No

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

No

7i.

| | |
|--|----|
| Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below. | No |
|--|----|

7j. Have any base operations or development plans been restricted due to Installation Restoration considerations?

No

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b above. Include capacity, restrictions and permit conditions.

NA

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

| Parcel Descriptor | Acres | Location |
|-------------------|-------|---|
| Main Base | 60 | Intersection of State Road 798 & State Road 175 |
| Island | 5 | central Wallops Island |
| | | |
| | | |
| | | |
| | | |
| | | |

NASA/Wallops Flight Facility is ACSC's host and ingranted approximately 65 acres of land to ACSC for use. The 5 acres on Wallops Island is fully developed and has no expansion capability. Approximately half of the 60 acre site on the mainland is undeveloped and could be used to expand to support housing and recreational or training requirements. Additional parking and utilities would be required and NASA/WFF concurrence would be necessary for expansion beyond the scope of current plans.

8b. Provide the acreage of the land use categories listed in the table below:

| LAND USE CATEGORY | | ACRES |
|--|--------------------------|-------|
| Total Developed: (administration, operational, housing, recreational, training, etc.) | | 30 |
| Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.) | Wetlands: | 0 |
| | All Others: | 0 |
| Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL | | 0 |
| Total Undeveloped land considered to be without development constraints | | 35 |
| Total Off-base lands held for easements/lease for specific purposes | | 0 |
| Breakout of undeveloped, restricted areas. Some restricted areas may overlap: | ESQD | |
| | HERF | |
| | HERP | |
| | HERO | |
| | AICUZ | |
| | Airfield Safety Criteria | |
| | Other | |

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. 0

8d. What is the date of your last AICUZ update? NA / / Are any waivers of airfield safety criteria in effect on your base? Y/N Summarize the conditions of the waivers below.

8e. List the off-base land use *types* (e.g, residential, industrial, agricultural) and *acreage* within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use. NA

| Acreage/Location/ID | Zones 2 or 3 | Land Use | Compatible/ Incompatible |
|---------------------|--------------|----------|-----------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement. NA

| Navigational Channels/ Berthing Areas | Location / Description | Maintenance Dredging Requirement | | | |
|---|---------------------------|----------------------------------|-----------------|-------------------------------------|---------------|
| | | Frequency | Volume (MCY) | Current Project Depth (FT) | Cost (\$M) |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

8g. Summarize planned projects through FY 1997 requiring **new channel or berthing area** dredged depths, include location, volume and depth.

None

8h.

| | |
|---|----|
| Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations. | NA |
| Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations. | NA |
| Are the dredged materials considered contaminated? List known contaminants. | NA |

8.i. List any requirements or constraints resulting from consistency with **State Coastal Zone Management Plans**.

None

8j. Describe any **non-point source pollution problems affecting water quality** ,e.g.: coastal erosion.

None

8k.

| | |
|---|---------------|
| If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions. | <u>YES/NO</u> |
|---|---------------|

NASA has.

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved. None

9. WRAPUP

9a. Are there **existing or potential environmental showstoppers** that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

No

9b. Are there any **other environmental permits** required for base operations, include any relating to industrial operations.

NASA responsibility

9c. Describe any **other environmental or encroachment restrictions** on base property not covered in the previous 8 sections.

None

9d. List any **future/proposed laws/regulations or any proposed laws/regulations** which will constrain base operations or development plans in any way. Explain.

None

ACSC DC #33

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

NEXT ECHELON LEVEL (if applicable)

RADM G. A. Huchting
NAME (Please type or print)
AEGIS Program Manager
Title
AEGIS DRPM
Activity

[Signature]
Signature
6/6/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

C. D. STERNER
NAME (Please type or print)
Commander
Title
Naval Sea Systems Command
Activity

[Signature]
Signature
6/7/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

P.W. DRENNON
NAME (Please type or print)
ACTING
Title

[Signature]
Signature
6/24/94
Date



BRAC-95 CERTIFICATION

DATA CALL #33

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R.B. MOORE
NAME (Please type or print)

R.B. Moore
Signature

COMMANDING OFFICER
Title

8 Jun 94
Date

REGS COMBAT SYSTEMS CENTER
Activity



Document Separator

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

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

Jack E Buffington
Signature

COMMANDER
Title

2/13/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

W A Earner
Signature

Title

2/18/94
Date

BRAC-95 CERTIFICATION

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

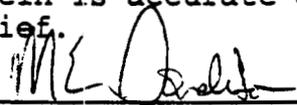
MARK E. DONALDSON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12 July 1994
Date

Enclosure (1)

**BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE**

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,
2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

Document Separator

186

**DATA CALL 63
FAMILY HOUSING DATA**

Information on Family Housing is required for use in BRAC-95 return on investment calculations.

| | |
|--|------------------|
| Installation Name: | AEGIS COMBATSYSC |
| Unit Identification Code (UIC): | N45534 |
| Major Claimant: | NAVSEA |

| | |
|--|---------|
| Percentage of Military Families Living On-Base: | 32.1% |
| Number of Vacant Officer Housing Units: | 0 |
| Number of Vacant Enlisted Housing Units: | 0 |
| FY 1996 Family Housing Budget (\$000): | \$264.9 |
| Total Number of Officer Housing Units: | 2 |
| Total Number of Enlisted Housing Units: | 17 |

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

The number of officer and enlisted units reflected above are this activity's share of the family housing assets in the total survey complex, based on data extracted from the FY96 Family Housing Survey (DD Form 1377) and the Current Personnel Summary. These units are not necessarily located at this particular activity. If this activity were to close, the housing assets could still be utilized by other activities located in the survey complex.

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

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/20/94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER 
NAME (Please type or print)

Title


Signature
7/25/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain these certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

THOMAS A. DAMES

NAME (Please type of print)

Rear Admiral, CEC, USN

Title

LANTNAVFACENCOM

Activity



Signature J.B. VENABLE
Acting

JUL 06 1994

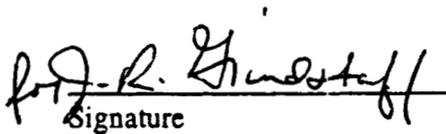
Date

ENCLOSURE(2)

BRAC-95 CERTIFICATION

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

 Paulette C. Brown
Name (Please type or print)


Signature

Head, Operations & Projects Branch
Title

7-6-94
Date

Housing Division
Division

Facilities Management
Department

LANTNAVFACENGCOM
Activity

BRAC-95 CERTIFICATION

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

J. Richard Grindstaff
Name (Please type or print)

J. Richard Grindstaff
Signature

Head. Requirements & Acquisition Branch
Title

7-6-98
Date

Housing Division
Division

Facilities Management
Department

LANTNAVEACENGCOM
Activity

BRAC-95 CERTIFICATION

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

Mark D. Raker
Name (Please type or print)

Mark D. Raker
Signature

Housing Management Specialist
Title

7/6/94
Date

Housing Division
Division

Facilities Management
Department

LANTNAVFACENCOM
Activity

BRAC-95 CERTIFICATION

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

for Moses L. Meadows
Name (Please type or print)

for J. Richard Grubstiff
Signature

Director
Title

7-6-94
Date

Housing Division
Division

Facilities Management
Department

LANTNAVEACENCOM
Activity

Document Separator

**CAPACITY ANALYSIS:
DATA CALL #4 WORK SHEET FOR
TECHNICAL CENTER or LABORATORY:
AEGIS COMBAT SYSTEMS CENTER (UIC 45534)**

Table of Contents

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| 1. Historical and Projected Workload | 1 | |
| 2. Current Class 2 Assets | 10 | |
| 3. Class 2 Space Available for Expansion | 21 | |
| 4. Class 1 Space Available for Expansion | 23 | |
| 5. Base Infrastructure Capacity | 25 | |
| 6. Ship Berthing Capacity | 29 | |
| 7. Operational Airfield Capacity | 29 | |
| 8. Depot Level Maintenance Capacity | 29 | |
| 9. Ordnance Storage Capacity | 29 | |
| | | |
| TAB A: Ship Berthing Capacity | N/A | |
| TAB B: Operational Airfield Capacity | N/A | |
| TAB C: Depot Level Maintenance Capacity | | N/A |
| TAB D: Ordnance Storage Capacity | 1 | |

*****If any responses are classified, attach a separate classified annex. *****

7 April 1994

1. Historical and Projected Workload. Use Tables 1.1, 1.2, 1.3 & 1.4 below to provide historical and currently projected workload data for your activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Dollar amounts should be in then-year dollars. Workyears should be separated for in-house government efforts and on-site contractor work.

a. Use Table 1.1 to provide data on your site.

b. Use Table 1.2 to provide data on your Detachments that did not receive this Data Call directly. Compile the information from all of these Detachments into one table. Attach a list of the titles & UIC's of the Detachments included in the table.

c. For FY's 1993 thru 1997 provide a breakout of the "Total Funds Budgeted" line showing the appropriation and amounts of funding budgeted from your major customers. Major resource Sponsors are defined as, but not limited to, all systems commands, ONR, SSPO, CNO, FLT CINCs, Other DON, Other DOD by Department, Other Federal Government, All other. Use Table 1.3 to report this breakout for your site. Use Table 1.4 to report this breakout for your compiled Detachments that did not receive this Data Call directly. Provide separate tables for FY's 1993 thru 1997.

Use the following definitions when providing data for the tables below:

Workyears: Consistent with those used in the preparation of inputs to the President's budget.

In-House government efforts or In-House workyears: Includes both military and civil servant employees

On-Site Contractor workyears: Actual or estimated workyears performed by support contractors with workyears defined consistent with the definition used in the President's budget.

On-site Contractors: Those contractors that occupy space directly on the site on nearly a full time basis.

Total Funds Budgeted: The funds used as inputs to the President's Budget.

Civilian Personnel On-Board: Full Time Permanent employees (FTP).



Revised pg

**Table 1.1 Historical and Projected Workload for
AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| Fiscal Year | Total Funds Budgeted (\$K) | Total Funds Received w/o Direct Cite (\$K) | Direct Cite Funds Received (\$K) | Budgeted Wkys | Actual In-House Wkys | Actual Onsite Contract Wkys |
|-------------|----------------------------|--|----------------------------------|---------------|----------------------|-----------------------------|
| 86 | | | | | | |
| 87 | | | | | | |
| 88 | | | | | | |
| 89 | | | | | | |
| 90 | 46238 | 46238 | N/A | 316 | 67 | 249 |
| 91 | 34119 | 34119 | N/A | 354 | 112 | 242 |
| 92 | 41314 | 41314 | N/A | 371 | 123 | 248 |
| 93 | 41314 41290 | 41314 41290 | N/A | 382 | 131 | 251 |
| 94 | 29200 29000 | | | 388 | | |
| 95 | 20800 | | | 338 | | |
| 96 | 37500 | | | 347 | | |
| 97 | 21300 | | | 345 | | |

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C.O.
22 Jul 94*

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Table 1.1 Historical and Projected Workload for
AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)

| Fiscal Year | Total Funds Budgeted (\$K) | Total Funds Received w/o Direct Cite (\$K) | Direct Cite Funds Received (\$K) | Budgeted Wkys | Actual In-House Wkys | Actual Onsite Contract Wkys |
|-------------|----------------------------|--|----------------------------------|---------------|----------------------|-----------------------------|
| 86 | | | | | | |
| 87 | | | | | | |
| 88 | | | | | | |
| 89 | | | | | | |
| 90 | 46238 | 46238 | N/A | 316 | 67 | 249 |
| 91 | 34119 | 34119 | N/A | 354 | 112 | 242 |
| 92 | 41314 | 41314 | N/A | 371 | 123 | 248 |
| 93 | 41290 41305 | 41290 41305 | N/A | 382 | 131 | 251 |
| 94 | 29000 | | | 388 | | |
| 95 | 20800 | | | 338 | | |
| 96 | 37500 | | | 347 | | |
| 97 | 21300 | | | 345 | | |

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12/14/94

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**Table 1.1 Historical and Projected Workload for
AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| Fiscal Year | Total Funds Budgeted (\$K) | Total Funds Received w/o Direct Cite (\$K) | Direct Cite Funds Received (\$K) | Budgeted Wkyrs | Actual In-House Wkyrs | Actual Onsite Contract Wkyrs |
|--------------------|-----------------------------------|---|---|-----------------------|------------------------------|-------------------------------------|
| 86 | | | | | | |
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| 88 | | | | | | |
| 89 | | | | | | |
| 90 | 46238 | 46238 | N/A | 316 | 67 | 249 |
| 91 | 34119 | 34119 | N/A | 354 | 112 | 242 |
| 92 | 41314 | 41314 | N/A | 371 | 123 | 248 |
| 93 | 41290 | 41290 | N/A | 382 | 131 | 251 |
| 94 | 29000 | | | 388 | | |
| 95 | 20800 | | | 338 | | |
| 96 | 37500 | | | 347 | | |
| 97 | 21300 | | | 345 | | |

Table 1.2 Historical and Projected Workload for Detachments of _____
(UIC N/A)

| Fiscal Year | Total Funds Budgeted (\$K) | Total Funds Received w/o Direct Cite (\$K) | Direct Cite Funds Received (\$K) | Budgeted Wkys | Actual In-House Wkys | Actual Onsite Contract Wkys |
|--------------------|-----------------------------------|---|---|----------------------|-----------------------------|------------------------------------|
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**TABLE 1.3 FY 1993 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N)(\$K) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|---------------|-----|------|------|---------------------|-----|-----|--------------------|--------------------------|-----|-----|-----|--------------|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | 15 | | 70 | | 105 _{1,10} | | | | 15.7 | | 7.5 | | 25.4 17.9 | | |
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12 Jul 94

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C.O.
22 Jul 94

BRAC 95, DATA CALL #4
REVISION #2

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ENCL (2)

ENCL (2)



**TABLE 1.3 FY 1993 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N)(\$K) | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|---------------|-----|------|------|--------------------|-----|--------------------|--------------------------|-----|-----|-----|------|-----|---------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | | 6.6 | OMN | APN | OPN | WPN | SCN | Other Navy |
| PMS400 | 15 | | 70 | | 105 ₁₂₀ | | | 15.7 | | 7.5 | | 17.9 | | |
| | | | | | | | | | | | | | | |
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12/24/94

ENCL (2)

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**TABLE 1.3 FY 1993 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N)(\$K) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|---------------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|------|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | 15 | | 70 | | 105 | | | | 15.7 | | 7.5 | | 17.9 | | |
| | | | | | | | | | | | | | | | |
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**TABLE 1.3 FY 1994 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N ^(\$K)) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|----------------------------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|------|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | | | | | 202 | | | | 15.9 | | 2.0 | | 11.1 | | |
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2/22/94

BRAC 95, DATA CALL #4
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ENCL (3)

Page ___ of ___
UIC 45534

**TABLE 1.3 FY 1994 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|----------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|------|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | | | | | | | | | 15.9 | | 2.0 | | 11.1 | | |
| | | | | | | | | | | | | | | | |
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**TABLE 1.3 FY 1995 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|----------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|-----|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | | | | | | | | | 16 | | 2.7 | | 2.1 | | |
| | | | | | | | | | | | | | | | |
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**TABLE 1.3 FY 1996 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|----------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|------|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | | | | | | | | | 17.3 | | .5 | | 19.7 | | |
| | | | | | | | | | | | | | | | |
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**TABLE 1.3 FY 1997 BREAKOUT OF FUNDS BUDGETED for AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| SPONSOR | RDT&E(N) | | | | | | | Other RDT& E | Other Appropriation(\$M) | | | | | | |
|---------|----------|-----|------|------|-----|-----|-----|--------------------|--------------------------|-----|-----|-----|-----|---------------|--------------|
| | 6.1 | 6.2 | 6.3a | 6.3b | 6.4 | 6.5 | 6.6 | | OMN | APN | OPN | WPN | SCN | Other Navy | All Other |
| PMS400 | | | | | | | | | 17.3 | | 2.3 | | 1.7 | | |
| | | | | | | | | | | | | | | | |
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2. Current Class 2 Assets. Complete Tables 2.1 thru 2.6 below as directed. Tables 2.1, 2.2 & 2.3 will define the Class 2 property owned or leased by your activity (less Detachments). Tables 2.4, 2.5 & 2.6 will define the combined Class 2 assets owned or occupied at your Detachment sites which did not receive this Data Call directly. Report space holdings and assignments as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions such as previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD. Square footage of space is to be reported in "Gross Floor/Building Area" (GF/BA) as defined in NAVFAC P-80. Many of the P-80 Category Code Numbers (CCN's) have assets that are reported in units of measure other than square feet (SF). The only unit of measure desired for this Data Call is SF. Only report the assets in each CCN that are normally reported in SF.

For your Site:

- a. Use Table 2.1 below to indicate the total amount of Class 2 space at your site for which you are the plant account holder as of 31 March 1994.
- b. Use Table 2.2 below to indicate the total amount of your Class 2 space reported in Table 2.1 that is assigned to your tenant commands and/or independent activities at your site as of 31 March 1994.
- c. Use Table 2.3 below to indicate the total amount of Class 2 space, for which you are not the plant account holder, but which is utilized/leased by you (less Detachments). Provide numbered notes to identify the title and UIC of the plant account holder/lessor, quantity of leased space and the associated lease cost.

**Table 2.1 Main Site Class 2 Assets of AEGIS COMBAT SYSTEMS CENTER
(UIC 45534)**

| Building type | NAVFAC (P-80) category code | Gross Floor/Building Area (KSF) | | | |
|--|--------------------------------------|---------------------------------|--------------|-------------|-------|
| | | Adequate | Sub-standard | In-adequate | Total |
| Operational & Training NOTE 1 | 100 | 118 | | | 118 |
| Maintenance & Production | 200 | 1 | | | 1 |
| Science labs | 310 | | | | |
| Aircraft labs | 311 | | | | |
| Missile and Space labs | 312 | | | | |
| Ship and Marine labs | 313 | | | | |
| Ground Transportation labs | 314 | | | | |
| Weapon and Weapon Systems labs | 315 | | | | |
| Ammunition, Explosives, & Toxics labs | 316 | | | | |
| Electrical Equip. labs | 317 | | | | |
| Propulsion labs | 318 | | | | |
| Miscellaneous labs | 319 | | | | |
| Underwater Equip. labs | 320 | | | | |
| Technical Services labs | 321 | | | | |
| Supply Facilities | 400 | 8 | | | 8 |
| Hospital & other Medical | 500 | 1 | | | 1 |
| Administrative Facilities | 600 | 15 | | | 15 |
| Housing & Community | 700 | 87 | | | 87 |
| Utilities & Grounds | 800 | 5 | | | 5 |
| Other | | | | | |

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| | | | | |
|---------------|-----|--|--|-----|
| Totals | 235 | | | 235 |
|---------------|-----|--|--|-----|

NOTE 1: AS OF 31 MAR 1994 ACSC CLASS 2 PROPERTY ACCOUNT INCORRECTLY IDENTIFIED APPROXIMATELY 104,000 SQUARE FEET OF ENGINEERING AND TRAINING SPACE AS A COMBINATION OF SCIENCE LAB (310-XX) AND WEAPON SYSTEMS LAB (315-XX). ACSC LETTER SERIAL 5200/207 DATED 3 MAY 94, TRANSMITTED THE CHANGES IN REAL PROPERTY INVENTORY THAT ARE REFLECTED IN TABLE 2.1. THE EXISTING CATEGORY CODES LISTED IN NAVFAC P-80 DO NOT OFFER A CHOICE THAT ACCURATELY DESCRIBES THE ENTIRE ACSC MISSION. WHILE THE MAJORITY OF SPACE LISTED FOR ACSC IN 100-XX SERIES IS USED FOR TRAINING AND DIRECT SUPPORT OF TRAINING, SUBSTANTIAL USE OF THE SAME SPACE AND INSTALLED EQUIPMENT IS MADE FOR IN-SERVICE ENGINEERING AND LIFETIME SUPPORT ENGINEERING PURPOSES.

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Table 2.3 Class 2 Space Utilized/Leased by N/A (UIC _____)

| Building type | NAVFAC (P-80) category code | GF/BA (KSF) | | | |
|--|--------------------------------------|-------------|--------------|-------------|-------|
| | | Adequate | Sub-standard | In-adequate | Total |
| Operational & Training | 100 | | | | |
| Maintenance & Production | 200 | | | | |
| Science labs | 310 | | | | |
| Aircraft labs | 311 | | | | |
| Missile and Space labs | 312 | | | | |
| Ship and Marine labs | 313 | | | | |
| Ground Transportation labs | 314 | | | | |
| Weapon and Weapon Systems labs | 315 | | | | |
| Ammunition, Explosives, and Toxics labs | 316 | | | | |
| Electrical Equip. labs | 317 | | | | |
| Propulsion labs | 318 | | | | |
| Miscellaneous labs | 319 | | | | |
| Underwater Equip. labs | 320 | | | | |
| Technical Services labs | 321 | | | | |
| Supply Facilities | 400 | | | | |
| Hospital & other Medical | 500 | | | | |
| Administrative Facilities | 600 | | | | |
| Housing & Community | 700 | | | | |
| Utilities & Grounds | 800 | | | | |
| Other | | | | | |
| Totals | | | | | |

For your Detachment sites not receiving this Data Call directly:

e. Use Table 2.4 below to indicate the combined total amount of Class 2 space that is occupied by your Detachments for which you are the plant account holder as of 31 March 1994. Attach a list with the titles and UIC's of these Detachments.

f. Use Table 2.5 below to indicate the total amount of your Class 2 space reported in Table 2.4 that is assigned to tenant commands and/or independent activities as of 31 March 1994. Include numbered notes to indicate the Detachment site that hosts the tenant.

g. Use Table 2.6 below to indicate the combined total amount of Class 2 space utilized/leased by your Detachments for which you are not the plant account holder. Provide numbered notes to indicate the quantity of leased space and their associated rental cost.

Table 2.4 Class 2 Assets of N/A Occupied by Detachments

| Building type | NAVFAC (P-80) category code | GF/BA (KSF) | | | |
|---|-----------------------------|-------------|--------------|-------------|-------|
| | | Adequate | Sub-standard | In-adequate | Total |
| Operational & Training | 100 | | | | |
| Maintenance & Production | 200 | | | | |
| Science labs | 310 | | | | |
| Aircraft labs | 311 | | | | |
| Missile and Space labs | 312 | | | | |
| Ship and Marine labs | 313 | | | | |
| Ground Transportation labs | 314 | | | | |
| Weapon and Weapon Systems labs | 315 | | | | |
| Ammunition, Explosives, and Toxics labs | 316 | | | | |
| Electrical Equip. labs | 317 | | | | |
| Propulsion labs | 318 | | | | |
| Miscellaneous labs | 319 | | | | |
| Underwater Equip. labs | 320 | | | | |
| Technical Services labs | 321 | | | | |
| Supply Facilities | 400 | | | | |
| Hospital & other Medical | 500 | | | | |
| Administrative Facilities | 600 | | | | |
| Housing & Community | 700 | | | | |
| Utilities & Grounds | 800 | | | | |
| Other | | | | | |
| Totals | | | | | |

h. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information: N/A

- (1) FACILITY TYPE/CODE:
- (2) WHAT MAKES IT INADEQUATE?
- (3) WHAT USE IS BEING MADE OF THE FACILITY?
- (4) WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- (5) WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- (6) CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- (7) HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

Table 2.6 Class 2 Space Utilized/Leased by Detachments of N/A (UIC)

| Building type | NAVFAC (P-80) category code | GF/BA (KSF) | | | |
|---|--------------------------------------|-------------|--------------|-------------|---------------------|
| | | Adequate | Sub-standard | In-adequate | Total-adequateTotal |
| Operational & Training | 100 | | | | |
| Maintenance & Production | 200 | | | | |
| Science labs | 310 | | | | |
| Aircraft labs | 311 | | | | |
| Missile and Space labs | 312 | | | | |
| Ship and Marine labs | 313 | | | | |
| Ground Transportation labs | 314 | | | | |
| Weapon and Weapon Systems labs | 315 | | | | |
| Ammunition, Explosives, and Toxics labs | 316 | | | | |
| Electrical Equip. labs | 317 | | | | |
| Propulsion labs | 318 | | | | |
| Miscellaneous labs | 319 | | | | |
| Underwater Equip. labs | 320 | | | | |
| Technical Services labs | 321 | | | | |
| Supply Facilities | 400 | | | | |
| Hospital & other Medical | 500 | | | | |
| Administrative Facilities | 600 | | | | |
| Housing & Community | 700 | | | | |
| Utilities & Grounds | 800 | | | | |
| Other | | | | | |
| Totals | | | | | |

3. Class 2 Space Available for Expansion. An activity's expansion capability is a function of its ability to reconfigure and/or expand existing facilities to accept new or increased roles. Such a reconfiguration may require rehabilitation or buildout of a space to support the new or expanded role. A space expansion could include converting an underutilized storage space into laboratory spaces, or buildout of a high bay area into a multifloor office/laboratory space. All questions refer to Class 2 property for which you are the plant account holder as of 31 March 1994. Do not report any currently programmed changes or additions previously reported in question #2 above. Expansion opportunities must follow the guidance of NAVFAC P-80 for the appropriate facility category code, as well as applicable fire and safety codes. Personnel loading density should not exceed those specified in the P-80. Space is only available if it is currently unoccupied or the current occupants are officially designated for relocation. Report space as Net Floor Area (NFA) as defined in the P-80. Do not include opportunities that are being reported by your Detachments who received this Data Call directly. Reported expansion opportunities must be able to accommodate the necessary ancillary facilities and equipment, such as adequate parking space, required to support the amount of people projected.

a. What is the maximum quantity of space that could be made available for expansion to accommodate other functions and/or increased efforts? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. _____
0 SQFT.

b. How much of the space reported in question 3.a. above is currently available with minimal or no reconfiguration costs? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. N/A
_____ SQFT.

c. Use Table 3.1 below to indicate the constrained growth opportunities for accepting expanded or new roles. Constrained growth is defined as growth limited to buildings and structures currently on your Class 2 plant account. Add numbered notes to highlight and explain opportunities that require remediation or waiver of a restriction or encumbrance as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. The "Current NFA (KSF)" column total should match the quantity provided in question #3.a. above. Annotate those opportunities that were used to obtain the answer to question #3.b. above. Report space once, do not use the same space for different expansion opportunities. Include in this table space that will become available once planned downsizing (separate from BRAC realignments) has been completed, provide the estimated completion date of the downsizing effort. NONE.

d. Use Table 3.2 below to indicate additional unconstrained growth opportunities for accepting expanded or new roles. Unconstrained growth allows for construction of new facilities on existing buildable Class 1 property. The only constraint being that the land must currently be on your plant account holdings as of 31 March 1994 and free of existing land use constraints. Limit new buildings to three stories. Add numbered notes to highlight and explain additional opportunities that would require remediation or waiver of a land use constraint as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. Do not include space that has been reported in Table 3.1. NONE.

land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" acreage that is restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

b. Are there any constraints such as parking, utilities, legal restrictions that limit the potential for using Undeveloped land for expansion? NASA/WFF IS HOST TO ACSC AND HAS INGRANTED ABOUT 65 ACRES OF LAND FOR ACSC USE. FIVE ACRES ARE ON WALLOPS ISLAND, 8 MILES FROM THE MAIN BASE, AND ARE FULLY DEVELOPED WITH NO EXPANSION CAPABILITY. APPROXIMATELY HALF OF THE 60 ACRES MAIN BASE SITE IS UNDEVELOPED AND COULD BE USED FOR HOUSING, RECREATIONAL OR TRAINING REQUIREMENTS. ADDITIONAL PARKING, ROADS AND UTILITIES WOULD BE REQUIRED AND NASA/WFF CONCURRENCE WOULD BE NECESSARY FOR EXPANSION BEYOND THE SCOPE OF CURRENT PLANS.

c. Explain the radio frequency constraints/opportunities within your Class 1 holdings. MUCH OF THE 60 ACRE MAIN BASE SITE IS IN A RADIO FREQUENCY QUIET ZONE WHICH REQUIRES CONSTRUCTION OF FACILITIES IN SUCH A WAY THAT THEY DO NOT PRODUCE SIGNIFICANT RF INTERFERENCE.

**Class 1 Resources of AEGIS COMBAT SYSTEMS CENTER (UIC: 45534)
Site Location: WALLOPS ISLAND, VA**

| Land Use | Total Acres | Developed Acreage | Available for Development | |
|------------------------------------|-------------|-------------------|---------------------------|--------------|
| | | | Restricted | Unrestricted |
| Maintenance | | | | |
| Operational | | | | |
| Training | 8 | 6 | | 2 |
| R & D | | | | |
| Supply & Storage | 1 | 1 | | |
| Admin | 2 | 2 | | |
| Housing | 48 | 20 | | 28 |
| Recreational | 6 | 1 | | 5 |
| Navy Forestry Program | | | | |
| Navy Agricultural Outlease Program | | | | |
| Hunting/Fishing Programs | | | | |
| Other | | | | |
| Total: | 65 | 30 | | 35 |

d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? 0 Acres. Explain. ALL 35 ACRES AVAILABLE FOR EXPANSION ARE UNDEVELOPED AND 30 ACRES ARE CURRENTLY BEING LEASED OUT AS FARM LAND BY NASA/WFF. HOWEVER ACSC HAS A USE PERMIT FOR THIS LAND IF IT SHOULD BE REQUIRED.

5. Base Infrastructure Capacity. Provide base infrastructure data as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions driven by previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD.

a. Utilize Table 5.1 below to provide information on your activity's base infrastructure capacity and load. Do not report this information if you are a tenant activity. N/A ACSC IS A TENANT TO NASA. NASA/WFF HAS THE RESPONSIBILITY FOR PROVIDING UTILITIES WITHIN THEIR EXISTING CAPACITIES. ACSC REQUIREMENTS THAT EXCEED THOSE CAPACITIES MUST BE FUNDED BY THE NAVY.

Table 5.1 Base Infrastructure Capacity & Load

| | On Base Capacity | Off base long term contract | Normal Steady State Load | Peak Demand |
|-------------------------|------------------|-----------------------------|--------------------------|-------------|
| Electrical Supply (KWH) | | | | |
| Natural Gas (CFH) | | | | |
| Sewage (GPD) | | | | |
| Potable Water (GPD) | | | | |
| Steam (PSI & lbm/Hr) | | | | |
| Long Term Parking | | | | |
| Short Term Parking | | | | |
| | | | | |

b. Maintenance, Repair & Equipment Expenditure Data: Use Table 5.2 below to provide data on facilities and equipment expenditures at your activity. Project expenditures to FY 1997. Do not include data on Detachments who have received this Data Call directly. Do not report this information if you are a tenant activity. The following definitions apply:

Maintenance of Real Property (MRP) Dollars: MRP is a budgetary term used to gather the expenses or budget requirements for facility work including recurring maintenance, major repairs & minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call MRP includes all M1/R1 and M2/R2 expenditures.

Current Plant Value (CPV) of Class 2 Real Property: The hypothetical dollar amount to replace a Class 2 facility in kind with today's dollars. Example: the cost today to replace a wood frame barracks with a wood frame barracks.

Acquisition Cost of Equipment (ACE): The total cumulative acquisition cost of all "personal property" equipment maintained at your activity which includes the cost of installed equipment directly related to mission execution, such as lab test equipment. Class 2 installed capital equipment that is an integral part of the facility will not be reported as ACE.

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Table 5.2 Maintenance, Repair & Equipment Expenditure Data
for AEGIS COMBAT SYSTEMS CENTER (UIC: 45534)

NOTE 1: ACSC RECEIVES NO SPECIFIC MRP MONEY FROM NAVSEA (OR ANY OTHER MAJOR CLAIMANT) BECAUSE THE AEGIS PROGRAM OFFICE (PMS 400) RECEIVES OM,N MONEY AS A DIRECT REPORTING PROGRAM MANAGER (DRPM) AND IN TURN PROVIDES ACSC WITH A PORTION OF THE PROGRAM FUNDS FOR MAINTENANCE OF REAL PROPERTY. REPORTED BELOW ARE THE PROGRAM FUNDS SPENT ON "MRP LIKE" FUNCTIONS.

NOTE 2: PRIOR TO 1989 ACSC DID NOT EXIST AS A SEPARATE ENTITY WITH DISCERNABLE ACCOUNTS. IT WAS NOT POSSIBLE TO PROVIDE ACCURATE MRP OR CPV DATA PRIOR TO 1989.

| Fiscal Year | MRP (\$M) NOTE 1 | CPV (\$M) | ACE (\$M) |
|-------------|------------------|----------------------|-----------|
| 1985 | 0 | 0 | 155.6 |
| 1986 | 0 | 0 | 233.4 |
| 1987 | 0 | 0 | 246.3 |
| 1988 | 0 | 0 | 258.3 |
| 1989 NOTE 2 | .7 | 22.0 18.7 | 282.8 |
| 1990 | 1.0 | 29.9 27.3 | 331.7 |
| 1991 | 1.2 | 30.3 29.2 | 374.3 |
| 1992 | 1.1 | 30.9 | 446.2 |
| 1993 | 1.1 | 35.3 | 499.7 |
| 1994 | 1.2 | 36.6 | 507.7 |
| 1995 | 1.2 | 38.0 | 510.5 |
| 1996 | 1.3 | 39.4 | 528.7 |
| 1997 | 1.3 | 46.7 | 530.8 |

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**Table 5.2 Maintenance, Repair & Equipment Expenditure Data
for AEGIS COMBAT SYSTEMS CENTER (UIC: 45534)**

NOTE 1: ACSC RECEIVES NO SPECIFIC MRP MONEY FROM NAVSEA (OR ANY OTHER MAJOR CLAIMANT) BECAUSE THE AEGIS PROGRAM OFFICE (PMS 400) RECEIVES OM,N MONEY AS A DIRECT REPORTING PROGRAM MANAGER (DRPM) AND IN TURN PROVIDES ACSC WITH A PORTION OF THE PROGRAM FUNDS FOR MAINTENANCE OF REAL PROPERTY. REPORTED BELOW ARE THE PROGRAM FUNDS SPENT ON "MRP LIKE" FUNCTIONS.

NOTE 2: PRIOR TO 1989 ACSC DID NOT EXIST AS A SEPARATE ENTITY WITH DISCERNABLE ACCOUNTS. IT WAS NOT POSSIBLE TO PROVIDE ACCURATE MRP OR CPV DATA PRIOR TO 1989.

| Fiscal Year | MRP (\$M) NOTE 1 | CPV (\$M) | ACE (\$M) |
|-------------|------------------|-----------|-----------|
| 1985 | 0 | 0 | 155.6 |
| 1986 | 0 | 0 | 233.4 |
| 1987 | 0 | 0 | 246.3 |
| 1988 | 0 | 0 | 258.3 |
| 1989 NOTE 2 | .7 | 18.7 | 282.8 |
| 1990 | 1.0 | 27.3 | 331.7 |
| 1991 | 1.2 | 29.2 | 374.3 |
| 1992 | 1.1 | 30.9 | 446.2 |
| 1993 | 1.1 | 35.3 | 499.7 |
| 1994 | 1.2 | 36.6 | 507.7 |
| 1995 | 1.2 | 38.0 | 510.5 |
| 1996 | 1.3 | 39.4 | 528.7 |
| 1997 | 1.3 | 46.7 | 530.8 |

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c. Training Facilities:

(1) By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. A formal school is a programmed course of instruction for military and/or civilian personnel that has been formally approved by an authorized authority (ie: Service Schools Command, Weapons Training Battalion, Human Resources Office). Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-xx, 179-xx CCN's.

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| Type of Training Facility/CCN | School | Type of Training | FY 1993 Requirements | | | FY 2001 Requirements | | |
|-------------------------------|--------|------------------|----------------------|-----|---------------------------|----------------------|-----|-------|
| | | | A | B | C | A | B | C |
| CLASSROOM/171-10 | | OPERATOR | 269 | 80 | 21,520 | 570 | 80 | 45600 |
| CLASSROOM/171-10 | | MAINTENANCE | 5747 | 120 | 6,840 5,640 | 70 | 120 | 8400 |
| LAB/171-35 | | OPERATOR | 269 | 80 | 21,520 | 570 | 80 | 45600 |
| LAB/171-35 | | MAINTENANCE | 5747 | 120 | 6,840 5,640 | 70 | 120 | 8400 |

A = STUDENTS PER YEAR
 B = NUMBER OF HOURS EACH STUDENT SPENDS IN THIS TRAINING FACILITY FOR THE TYPE OF TRAINING RECEIVED
 C = A x B



c. Training Facilities:

(1) By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. A formal school is a programmed course of instruction for military and/or civilian personnel that has been formally approved by an authorized authority (ie: Service Schools Command, Weapons Training Battalion, Human Resources Office). Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-xx, 179-xx CCN's.

| Type of Training Facility/CCN | School | Type of Training | FY 1993 Requirements | | | FY 2001 Requirements | | |
|-------------------------------|--------|------------------|----------------------|-----|--------|----------------------|-----|-------|
| | | | A | B | C | A | B | C |
| CLASSROOM/171-10 | | OPERATOR | 269 | 80 | 21,520 | 570 | 80 | 45600 |
| CLASSROOM/171-10 | | MAINTENANCE | 57 | 120 | 6,840 | 70 | 120 | 8400 |
| LAB/171-35 | | OPERATOR | 269 | 80 | 21,520 | 570 | 80 | 45600 |
| LAB/171-35 | | MAINTENANCE | 57 | 120 | 6,840 | 70 | 120 | 8400 |

A = STUDENTS PER YEAR

B = NUMBER OF HOURS EACH STUDENT SPENDS IN THIS TRAINING FACILITY FOR THE TYPE OF TRAINING RECEIVED

C = A x B

(2) By Category Code Number (CCN), complete the following table for all training facilities aboard the installation. Include all 171-xx and 179-xx CCN's.

For example: in the category 171-10, a type of training facility is academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours a day for 300 days a year, the capacity in student hours per year would be 600,000.

| Type Training Facility/CCN | Total Number | Design Capacity (PN) ¹ | Capacity (Student HRS/YR) |
|----------------------------|--------------|-----------------------------------|---------------------------|
| 171-10 | 6 | 120 | 1,051,200 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

(3) Describe how the Student HRS/YR value in the preceding table was derived. 120 (DESIGN CAP) * 24 (HRS/DAY) * 365 (DAYS/YR)

¹ Design Capacity (PN) is the total number of seats available for students in spaces used for academic instruction; applied instruction; and seats or positions for operational trainer spaces and training facilities other than buildings, i.e., ranges. Design Capacity (PN) must reflect current use of the facilities.

6. Ship Berthing Capacity. If your activity has the capacity to berth ships fill out the data sheets provided at TAB A.

7. Operational Airfield Capacity. If your activity owns and operates an operational airfield fill out the data sheets provided at TAB B.

8. Depot Level Maintenance Capacity. Fill out the data sheets provided at TAB C if you or your subordinate activities perform depot level maintenance on a piece of equipment or system.

9. Ordnance Storage Capacity. If your activity has the capability to store or maintain weapons and ordnance fill out the data sheets provided at TAB D. **SEE TAB D.**

N/A TO AEGIS COMBAT SYSTEMS CENTER
UIC: 45534

TAB A

SHIP BERTHING CAPACITY

Note: Question numbers in []'s are for internal BSAT purposes.

N/A TO AEGIS COMBAT SYSTEMS CENTER
UIC: 45534

TAB B
OPERATIONAL AIRFIELD CAPACITY

Note: Question numbers in []'s are for internal BSAT purposes.

N/A TO AEGIS COMBAT SYSTEMS CENTER
UIC: 45534

TAB C
DEPOT LEVEL MAINTENANCE CAPACITY

TAB D
ORDNANCE STORAGE CAPACITY

ORDNANCE STORAGE CAPACITY

Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodities types:

| ORDNANCE COMMODITY TYPES | | |
|--------------------------|-------------------|---|
| Mines | Expendables | LOE: Rockets |
| Torpedoes | INERT | LOE: Bombs |
| Air Launched Threat | CADS/PADS | LOE: Gun Ammo (20mm-16") |
| Surface Launched Threat | Strategic Nuclear | LOE: Small Arms (up to 50 cal.) |
| Other Threat | Tactical Nuclear | LOE: Pyro/Demo Grenades/Mortars/Projectiles |

1. Ordnance Stowage and Support

1.1 Provide present and predicted inventories (coordinate with inventory control manager) and maximum rated capability of all stowage facilities at each weapons storage location controlled by this activity. In predicting the out year facility utilization, distribute overall ordnance compliment to the most likely configuration. The maximum rated capability is also an out year projection taking into account any known or programmed upgrades that may increase current stowage capacity. When listing stowage facilities, group by location (e.g. main base, outlying field, special area).

Table 1.1: Total Facility Ordnance Stowage Summary

| Facility Number | PRESENT INVENTORY | | PREDICTED INVENTORY FY 2001 | | MAXIMUM RATED CAPABILITY | |
|-----------------|-------------------|-------|--------------------------------|-------|-----------------------------|-------|
| | TONS | SQ FT | TONS | SQ FT | TONS | SQ FT |
| 1 | .6775 | 168 | .6775 | 168 | .6775 | 168 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| TOTAL | .6775 | 168 | .6775 | 168 | .6775 | 168 |

TAB D

Page 1 of 5

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1.2 For each Stowage facility identified in question 1.1 above, identify the type of facility (specify if "igloo", "box", etc.). Identify the type of ordnance commodity (from the list above) which are currently stowed in that facility and all other ordnance types which, given existing restrictions, could be physically accommodated in that stowage facility. Specify below if such additional accommodation would require a modification of the facility (e.g. enhanced environmental controls, ESQD waiver).

- Identify the reason(s) for which this ordnance is stored at your facility from the following list: own activity use (training); own activity use (operational stock); Receipt/Segregation/Stowage/Issue (RSSI); transshipment/awaiting issue; deep stow (war reserve); deep stow (awaiting Demil); other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 1.2: Total Facility Ordnance Stowage Summary

| Facility Number/Type | Currently Stowed Commodity Type(s) | Reason for Stowage at your Activity | Commodity Type(s) Which Can Be Stowed |
|----------------------------|------------------------------------|---|---------------------------------------|
| #1/CONCRETE REINFORCED BOX | LOE: SMALL ARMS | OWN ACTIVITY USE (TRAINING) OWN ACTIVITY USE (OPERATIONAL) | LOE: SMALL ARMS |
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Additional comments: FACILITY IS REINFORCED CONCRETE RELOCATABLE SMALL ARMS READY SERVICE LOCKER (12'X14'X14'), USED FOR RIOT SHOT GUNS, M-14 RIFLES, AND .45 CAL HANDGUNS FOR COMMAND'S SECURITY FORCE TO PERFORM PHYSICAL SECURITY FUNCTIONS CONSISTENT WITH OPNAVINST 5530.14B.

TAB D
Page 3 of 5
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1.3 Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Table 1.3: Facility Rated Status

| Facility Number / Type | Hazard Rating (1.1-1.4) | Rated NEW | ESQD Arc | | |
|------------------------|-------------------------|-----------|---------------------|----------------|------------------------|
| | | | Established (Y / N) | Waiver (Y / N) | Waiver Expiration Date |
| N/A | N/A | N/A | N/A | N/A | N/A |
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1.4 Identify any restrictions which prevent maximum utilization of your facilities. If restrictions are based on facility conditions, specify reason, the cost to correct the deficiency, and identify any programmed projects that will correct the deficiency and/or increase your capability.

1.5 Identify if your activity performs any of the following functions on any of the ordnance commodities previously listed. Technical support includes planning, financial, administrative, process engineering and SOP support. Within each related function identify each ordnance commodity type for which you provide these services and the total Direct Labor Man Hours (DLMHs) expended (FY 1994); identify only those DLMHs expended by personnel under your command.

Table 1.5: Related Ordnance Support

| Related Functions | Performed? (Y / N) | Type of Commodity | DLMHs |
|--------------------------------|-----------------------|-------------------|-------|
| Maintenance (specify level) | N | N/A | - |
| Testing | N | N/A | - |
| Manufacturing | N | N/A | - |
| Outload | N | N/A | - |
| Technical Support | N | N/A | - |

TAB D
Page 5 of 5
UIC: 45534

ACTIVITY CERTIFIED: AEGIS CSC WALLOPS IS.
DATA CAW # 4

JL
SEA OGR
5/12/94

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

NEXT ECHELON LEVEL (if applicable)

J. J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MGR
Title
AEGIS PROGRAM OFFICE
Activity

Signature

Date

J. J. Kuesters
5/12/94

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)~~

~~Signature~~

~~Title~~

~~Date~~

~~Activity~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER

NAME (Please type or print)

Signature

Commander
Naval Sea Systems Command

Date

Activity

G. R. Sterner
5-13-94

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR
NAME (Please type or print)

Signature

ACTING
Title

Date

J. B. Greene Jr.
2 JUN 94



BRAC-95 CERTIFICATION

DATA CALL #4

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT. USN
NAME (Please type or print)

R.B. Moore
Signature

COMMANDING OFFICER
Title

10 May 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity



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AEGIS CSC
DATA CAR #4 REVISION #1

pg 2
12
14
JL
SEA OX
8/12/94
26

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MANAGER
Title
AEGIS PROGRAM MANAGER
Activity

[Signature]
Signature
7/14/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Commander
Title
Naval Sea Systems Command
Activity

[Signature]
Signature
8-11-94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)
ACTING
Title

[Signature]
Signature
17 AUG 1994
Date



pg 2, 4, 12, 14, 26

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

13 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (6)



AEGIS CSC Pg 2, 4, 5
DATA CALL #4 REVISION #2

J2
SEA 09X
8/12/94

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MANAGER
Title
AEGIS PROGRAM MANAGER
Activity

John J. Kuesters
Signature
7/27/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Commander
Title Sea Systems Command
Activity

G. R. Sterner
Signature
8-11-94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME (Please type or print)
ACTING
Title

J. B. Greene, Jr.
Signature
17 AUG 1994
Date



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

22 July
Date

AEGIS COMBAT SYSTEMS CENTER
Activity



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT, USN

NAME (Please type or print)

COMMANDING OFFICER

Title

AEGIS COMBAT SYSTEMS CENTER

Activity

R. B. Moore

Signature

8 AUG 94

Date

ENCL (2)



Document Separator

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Department of Defense

**1995 Base Realignment and Closure
T&E Joint Cross-Service Group Data Guidance**

March 31, 1994

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T&E JOINT CROSS-SERVICE GROUP DATA GUIDANCE

SECTION 1: GUIDANCE, STANDARDS, AND ASSUMPTIONS

- 1.1 GUIDANCE**
- 1.1.A Guidance for Identification of Test and Evaluation (T&E) Facilities/Capabilities**
- 1.1.B Guidance for Military Department Data Collection**
- 1.1.C Guidance for Military Department Data Analysis**
- 1.2 ASSUMPTIONS**
- 1.3 FUNCTIONAL AREAS**
- 1.3.A Air Vehicles**
- 1.3.B Electronic Combat (EC) Systems**
- 1.3.C Armaments/Weapons**

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- 2.1.A Historical Workload**
- 2.1.B Forecasted Workload**
- 2.2 UNCONSTRAINED CAPACITY**
- 2.3 TECHNICAL RESOURCES**

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- 3.4.A Directed Energy**
- 3.4.B Rocket/Missile/Bomb Systems**

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T&E JOINT CROSS-SERVICE GROUP

SECTION 1: GUIDANCE, STANDARDS, AND ASSUMPTIONS

The Military Departments will use the following information for data collection on each facility that has performed T&E and is still capable of performing T&E within the three functional areas of air vehicles, electronic combat, and armaments/weapons for any component (hardware or software), subsystem, system, or platform. Guidance is provided on conducting a cross-service analysis.

1.1 GUIDANCE

1.1.A Guidance for Identification of Test and Evaluation (T&E) Facilities / Capabilities

1.1.A.1 Scope

All DoD installations will be examined to identify facilities that have and are still capable of performing T&E within the three functional areas of air vehicles, electronic combat, and armaments/weapons.

All facilities (tenant and host on the installation) owned by DoD are within scope of this examination.

The Military Departments and Defense Agencies are responsible for submitting the data.

The scope of this examination will include T&E facilities that are funded from any funding source and appropriation (RDT&E, procurement, O&M, training, etc.).

1.1.A.2 T&E Facilities / Capabilities

The definition of a T&E facility/capability to be used for purposes of data collection will be a set of DoD-owned or controlled property (air/land/sea space) or any collection of equipment, platforms, ADPE or instrumentation that can conduct a T&E operation and provide a deliverable T&E product.

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The T&E facility can support T&E of components through systems platforms or missions in the following functional areas: air, land, sea, space, C4I, armaments/weapons, electronic combat, nuclear effects, chem/bio, propulsion, environmental effects, guidance, and materials.

The T&E facilities will be grouped under one of the following test facility categories: modeling and simulation, measurement, integration laboratory, hardware-in-the-loop, installed systems, or open air (See Appendix A for definitions). It will typically consist of all of the following components:
data collection sensors and instrumentation, data reception and storage, data processing, and data display and reporting.

The scope will include T&E operations from all funding sources (RDT&E, procurement, O&M, training, etc.).

1.1.B Guidance for Military Department Data Collection

The Military Departments will use the T&E facility/capability definitions included within this data call package. In your descriptions of facility technical capabilities include programmed investments/upgrades in Military Department or Defense Agency 1995 Future Years Defense Plan (FY95 FYDP) in support of the President's Budget (PB95). When calculating capacity data, use the guidelines/definitions included in this package.

Data will be collected on all facilities/capabilities that are within the scope defined in section 1.1.A. Data will be collected using Appendix A, Data Forms and Instructions

1.1.C Guidance for Military Department Data Analysis

The Military Departments will use the 95 FYDP as the baseline to calculate costs and savings. Address closure/realignment opportunities at the functional T&E and facility levels. Retain essential technical capabilities for core competencies and technologies. Consider consolidation of subfunctions such as centralized maintenance of common platforms, instrumentation, data processing. Consider retention of difficult-to-replace essential geographic assets (e.g. airspace, ground/terrain, climates, seaports) without regard to "ownership". Recognize adaptability to future technologies. Do not consider environmental cleanup costs/difficulties for closure or downsizing a facility/capability.

1.2 ASSUMPTIONS

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Cross-service analyses will use the following assumptions:

1.2.A T&E workload is not a direct function of force structure, but is related to the RDT&E budget and acquisition funding.

1.2.B The FYDP is considered certified data. Information from non-DoD activities will not be used as a basis for analyses.

1.2.C At least one test facility/capability will be required to address any technology in use or nearing maturation. Geographic assets (airspace, ground space, sea space, terrain, climate, physical security) must be adequate. Closure or realignments of laboratories, maintenance depots, and training activities could necessitate consolidation with T&E facilities/capabilities.

1.2.D Evaluation of developing technologies and systems will follow a process that involves a progression of test facilities/capabilities ranging from modeling and simulation, measurements, through hardware-in-the-loop, system integration laboratories, installed-systems, to open air/range testing.

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1.2.E Potential for internetting facilities/capabilities can be considered in workload projections if investments to provide internetting capability are programmed.

1.2.F With regard to outsourcing, it will be assumed that work currently performed in-house will remain in-house and that work currently outsourced will remain outsourced.

1.2.G With regard to foreign military sales (FMS), it will be assumed that the FMS workload will continue at FY93 levels into the future (straight-lined).

1.3 FUNCTIONAL AREAS

Three functional areas of T&E facilities/capabilities were selected for specific emphasis during cross-service analyses following analysis of the T&E Reliance study areas. These three areas -- air vehicles, electronic combat, and armament/weapons -- show the greatest potential for cross-service consolidation opportunities; others are predominately or nearly Military Department unique.

Over-arching measures of merit have been developed that are applicable to many T&E facilities/capabilities across the three functional areas. These measures generally relate to the overall demographics of the facility/capability at an installation and are important to evaluating a facility/capability for: overall condition; potential to support current or future contingency, mobilization and future missions; additional workload; and overall Mission Essentiality. Additional data specific to the three functional areas will also be collected. For the purpose of this data collection, the three functional areas are defined as follows:

1.3.A Air Vehicles N/A

This functional area includes facilities involved in the testing of all air vehicles/subsystems/components whether fixed wing or rotary wing and test of major sub-systems (e.g., avionics, engines, and sensors). This includes flight testing and the testing involving pre- and post-flight preparation and processing of the air vehicle. Unmanned air vehicles and cruise missiles are included.

1.3.B Electronic Combat (EC) Systems

This functional area includes facilities involved in the testing of stand-alone electronic combat systems and electronic combat subsystems that are normally integrated into other weapon systems. It includes the testing of systems or subsystems that have as their

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primary mission threat warning, testing of systems that provide countermeasures in the RF (radio frequency) spectrum against radars and other RF sensors, systems that provide countermeasures that are used against sensors in the electro-optical or infrared spectrum as well as testing of electronic and C3 countermeasures. - **This is the functional area I have selected to include all of ACSC's work. ACSC replicates the AEGIS Combat Systems of operational CG-47 and DDG-51 ships. This does include the associated fire control systems and to some degree associated weapons systems. However, ACSC does no ordnance testing. Therefore, all ACSC's work is deemed better to fit into 1.3.B vice 1.3.C.**

1.3.C Armaments / Weapons N/A

This functional area includes facilities involved in the testing of the weapons portion of a weapon system. In those cases where the weapon system is composed almost exclusively of the weapon, it may include system-level and platform integration testing. In other cases, it addresses just the weapon subsystem (e.g., guidance and control, propulsion, warheads, and airframe), while the testing of the weapon system's vehicle is in another functional area.

SECTION 2: CAPACITY & TECHNICAL RESOURCES

Use the forms and accompanying instructions in appendix A to provide answers for this section.

2.1 WORKLOAD

Annual workload will be reported in units as follows: for open air ranges involving flight testing, report test hours and missions. For all other T&E facilities direct labor hours and test hours must be reported; if available, missions must be reported. If an estimation of test hours based on direct labor hours is necessary, refer to the instructions for Determination of Unconstrained Capacity on page 28.

2.1.A Historical Workload SEE ATTACHED FORM

-2.1.A.1 What amount of workload have you performed each year from FY86-93? Use the Historical Workload Form provided in Appendix A of this package.

Revised pg

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2.1.B Forecasted Workload - ASSUMPTION: Testing, as it applies to this data call, is taken to mean the test and evaluation (RDT&E) efforts related to a new piece of equipment or system(s) which would eventually involve participation of an organization similar to an Operational Test and Evaluation Force. Testing in the context of this data call is not taken to mean the routine testing of an upgraded version of an existing combat systems baseline computer program or a piece of existing equipment that has been modified by an ordnance alteration (ORDALT) or field change. ~~Testing and evaluation is viewed within the acquisition process as defined in DOJ instruction 5000.1 series.~~

RAM
C.O.
13 Jul 94

-2.1.B.1 Identify all appropriations (by program element) that generated a requirement for testing or test support, or are expected to generate a requirement for testing/test support in your Military Department (by functional areas of air vehicles, electronic combat (EC), armament/ weapons, and other test) for FY92, FY93, and each year in the FY95 FYDP. The Military Departments will provide total funding amounts appropriated for all PEs identified in each functional area shown above. - Appropriations: R&D (6.1, 6.3, 6.4) Military Department: Navy

-2.1.B.2 What amount of test work was performed at your facility (in workyears by functional areas of air vehicles, electronic combat, armament/weapons, other tests, and other) in FY92 & FY93? - Test work (work years) in EC: Assumption 2078 hrs = 1 work year

- FY92: 1.6
- FY93: 2.3

2.2 UNCONSTRAINED CAPACITY

-2.2.A Unconstrained capacity is the maximum capacity of this facility, assuming manpower and consumable supplies (excluding utilities) are unlimited, but allowing for expected downtime (maintenance, weather, darkness (daylight), holidays, etc.). Provide your response by filling out the Determination of Unconstrained Capacity Form in accordance with the instructions in

Appendix A. ASSUMPTION: ACSC's primary mission is to support training of replacement and commissioning ship crews, and supporting inservice and lifetime support engineering for the AEGIS combat systems on operational AEGIS ships. As such ACSC has set aside each day 5 hours to support training and 5 hours to support inservice engineering and lifetime support engineering (ISE/LSE). Therefore, 10 hours out of 24 hours are reserved for these efforts and only if other activities can "piggyback" onto these activities are other events scheduled. However, for purposes of determining unconstrained capacity for this data call, downtime has been defined to

ENCLOSURE



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2.1.B Forecasted Workload - ASSUMPTION: Testing, as it applies to this data call, is taken to mean the test and evaluation (RDT&E) efforts related to a new piece of equipment or system(s) which would eventually involve participation of an organization similar to an Operational Test and Evaluation Force. Testing in the context of this data call is not taken to mean the routine testing of an upgraded version of an existing combat systems baseline computer program or a piece of existing equipment that has been modified by an ordnance alteration (ORDALT) or field change. Testing and evaluation is viewed within the acquisition process as defined in DOD instruction 5000.1 series.

-2.1.B.1 Identify all appropriations (by program element) that generated a requirement for testing or test support, or are expected to generate a requirement for testing/test support in your Military Department (by functional areas of air vehicles, electronic combat (EC), armament/weapons, and other test) for FY92, FY93, and each year in the FY95 FYDP. The Military Departments will provide total funding amounts appropriated for all PEs identified in each functional area shown above. - Appropriations: R&D (6.1, 6.3, 6.4) Military Department: Navy

-2.1.B.2 What amount of test work was performed at your facility (in workyears by functional areas of air vehicles, electronic combat, armament/weapons, other tests, and other) in FY92 & FY93? - Test work (work years) in EC: Assumption 2078 hrs = 1 work year

- FY92: 1.6
- FY93: 2.3

2.2 UNCONSTRAINED CAPACITY

-2.2.A Unconstrained capacity is the maximum capacity of this facility, assuming manpower and consumable supplies (excluding utilities) are unlimited, but allowing for expected downtime (maintenance, weather, darkness (daylight), holidays, etc.). Provide your response by filling out the Determination of Unconstrained Capacity Form in accordance with the instructions in

Appendix A. **ASSUMPTION:** ACSC's primary mission is to support training of replacement and commissioning ship crews, and supporting inservice and lifetime support engineering for the AEGIS combat systems on operational AEGIS ships. As such ACSC has set aside each day 5 hours to support training and 5 hours to support inservice engineering and lifetime support engineering (ISE/LSE). Therefore, 10 hours out of 24 hours are reserved for these efforts and only if other activities can "piggyback" onto these activities are other events scheduled. However, for purposes of determining unconstrained capacity for this data call, downtime has been defined to

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consist only of: Maintenance: 8hrs/day; government holidays - 10 days; NASA space launches - 1 day per year. The computation of unconstrained capacity for RDT&E, therefore, assumes, ACSC would not necessarily be required to fulfill other necessary requirements. Weather and darkness are not factors in ACSC's mission accomplishment. - Based on the above assumption, see attached form.

**-2.2.B Is this capacity limited by the physical characteristics of the facility itself, safety or health considerations, commercial utility availability, etc?
No, capacity is limited by ACSC mission.**

2.3 TECHNICAL RESOURCES

-2.3.A Does the facility have a specified war-time or contingency role established in approved war plans? Yes/no. No.

**-2.3.B Does the facility provide a T&E product or service, without which irreparable harm would be imposed on the test mission of the host installation?
No.**

-2.3.B.1 On the test mission of any other activity? No.

-2.3.B.2 On any other mission deemed critical to the operational effectiveness of the armed forces of the United States? No.

SECTION 3: MEASURES OF MERIT

This section relates the measures of merit and the required data to the four criteria that have been established for Military Value. The four military value (MV) criteria are:

CRITERION 1: The current and future mission requirements and the impact on operational readiness of the Department of Defense's total force.

CRITERION 2: The availability and condition of land, facilities and associated airspace at both the existing and potential receiving locations.

CRITERION 3: The ability to accommodate contingency, mobilization, and future total force requirements at both the existing and potential receiving locations.

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CRITERION 4: The cost and manpower implications.

3.1 OVER-ARCHING MEASURES OF MERIT

The over-arching measures of merit are listed with accompanying questions (or data requirements) intended to elicit standard information upon which the cross-service analyses can be based, and on which the Joint Cross-Service Groups can base their reviews of the Military Department analyses. Additional specific measures of merit are shown under individual functional areas. The numbers in parentheses () before each measure of merit indicate the BRAC selection criteria for military value.

3.1.A. Interconnectivity (MV I) - Measure of Merit: *Extent of linkage of this facility with other facilities and assessment of single-node failure potential.*

-3.1.A.1 What percentage of total test workload in FY93 involved the real-time or near real time exchange of data or control with another facility? List the facilities you interconnect to for test and identify how many are simultaneous activities. Identify these as to whether they are internal and external to the site. **50%**

| <u>Project</u> | <u>Facility Connected To</u> |
|----------------|---|
| JTIDS | NATC Patuxent River, MD Fleet Combat Direction Systems Support Activity Dam Neck, VA Naval Command Control and Surveillance Center, Systems Integration Facility, San Diego, CA |
| CEC | Fleet Combat Direction Center, Dam Neck, VA |

In addition, ACSC can exchange real time data with the Naval Surface Warfare Center, Dahlgren, VA.

-3.1.A.2 If your facility were to be closed, would there be an impact on other facilities to which you are connected? Yes/no. If yes, explain. **Yes.**
Computer program development and equipment performance tests for all the above listed facilities would be impacted.

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3.1.B Facility Condition (MV II) - Measure of merit: *Current and planned status of the T&E facilities for supporting assigned test missions.*

Fill out the Facility Condition Form in Appendix A in accordance with the instructions.

- SEE ATTACHED FORM.

3.1.C Environmental and Encroachment Carrying Capacity (MV II) - Measure of Merit: *Extent of current and future potential environmental and encroachment impacts on air, land, and sea space for testing.*

- 3.1.C.1 Do you have limiting (current or future) environmental and/or encroachment characteristics associated with the installation/facility?

Yes/no. If yes, explain. **While ACSC is located on a barrier island, a fragile ecosystem, there exist no inherent limits to performance of existing mission activities.**

- 3.1.C.2 How much could workload be increased before this limit would be reached? Express your answer as a percentage of your current workload.

N/A

- 3.1.C.3 Do you currently operate under temporary permits of an environmental nature, or voluntary agreements (including treaties) of any sort that deal with the environment? If so, when do they expire? Please describe.

No. NASA, as our host, is the land owner and is responsible for environmental matters.

- 3.1.C.4 What is the total population within a 50 mile radius? 100 mile radius? 150 mile radius? 200 mile radius?

| <u>Distance (Radius)</u> | <u>Total Population</u> |
|--------------------------|-------------------------|
| 50 miles | 250,000 |
| 100 " | 2,800,000 |
| 150 " | 6,250,000 |
| 200 " | 12,250,000 |

- 3.1.C.5 Identify the commercial air/land/sea traffic routes, public use of air/land/sea space, and frequency of use for each that affects or could affect mission accomplishment in your air, land, or sea space. **Airspace used by ACSC for T&E events is controlled by FACSFAC VACAPES OCEANA Virginia and NASA Wallops Island Flight Facility.**

Commercial air, land, and sea traffic routes are normally outside of controlled areas.

- 3.1.C.5.A How many test missions per year are canceled due to commercial or public use? **None**

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- **3.1.C.6** What is the number of test missions that have been canceled due to encroachment in each of the last two years? **None**

3.1.D Specialized Test Support Facilities and Targets (MV I) - Measure of Merit:
Extent to which specialized test support facilities and targets are available.

-**3.1.D.1** Do you have specialized facilities are required to support you in conducting your test operations at your facility (e.g. Aerial delivery load build-up facilities; parachute drying towers/packing facilities; paratroop support facilities; specialized fuel storage and delivery systems; mission planning facilities; corrosion control, painting, washing facilities; and specialized maintenance facilities such as avionics intermediate shops)? Yes/no. If yes, please describe. **Four complete CIC's and associated computers and sensors capable of replicating any operational CG 47 and DDG 51. Two Computer Aided Submode Training (CAST) labs to provide operator training in use of shipboard tactical consoles.**

-**3.1.D.2** Are specialized targets required to support this facility? Yes/no. If yes, explain. **No.**

-**3.1.D.2.A** Have the specialized targets been validated? Yes/no. If yes, by whom?
N/A

3.1.E Expandability (MV III) - Measure of Merit: *Extent to which an installation/facility is able to expand to accommodate additional workload or new missions.*

-**3.1.E.1** Other than the expandability inherent in unconstrained capacity, discussed earlier, are there any special aspects of this facility that enhance its ability to expand output within each T&E functional area? Yes/no. If yes, explain. **No.**

-**3.1.E.1.A** Can you accept new T&E workload different from what you are currently performing? Yes/no. If yes, identify by T&E functional area and test type. **ACSC mission activities are solely driven by the AEGIS Program Manager (PMS400). If PMS400 sponsors the project at ACSC, we will attempt to accomplish the work. If the project is not sponsored by PMS400, it does not come to ACSC.**

-**3.1.E.2** Are airspace, land, and water areas--adjacent to areas under DoD control--available and/or suited for physical expansion to support new missions or increased footprints? Yes/no. If yes, please explain. **Yes, as designated by controlling authority.**

-**3.1.E.3** Is the facility equipped to support secure operations? Yes/no. If yes, to what

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level of classification (Confidential, Secret, Top Secret, Special Access Required)? **Yes.**
Equipment capability: Top Secret; limited by keying material to Secret.

-3.1.E.4 Are there any capital improvements underway or programmed in the 95 FYDP, that would change your capacity/capability? **Yes/no.** If yes, explain. **Yes, activation for AEGIS Combat Systems baseline 5 and 6.**

3.1.F Uniqueness (MV I) - Measure of Merit: *Extent to which the facility is one-of-a kind.*

-3.1.F.1 Is this a one-of-a-kind facility within the DoD? **Yes/no.** If yes, describe. **Yes. The AEGIS Combat Systems Center (ACSC) is unique in DOD. There exists no other facility capable of supporting the Combat Systems of the operating AEGIS fleet with the fidelity resident at ACSC. The only alternative to ACSC is to use an operating AEGIS ship as a test unit; thereby taking it out of the fleet operating tempo.**

-3.1.F.1.A Within the US Government? **Yes/no.** If yes, describe.
Yes, see above.

-3.1.F.1.B Within the US? **Yes/no.** If yes, describe. **Yes, see above.**

-3.1.F.2 Are you currently providing support to DoD users outside your Military Department? **Yes/no.** If yes, indicate percentage of total workload in FY92 and FY93 by Military Department. **No.**

3.1.G Available Air, Land, and Sea Space (MV II) - Measure of Merit: *Extent to which controlled test ranges satisfy weapon system test requirements.*

-3.1.G.1 How many square miles of air, land, and sea space are available to support test operations? **22,133 square miles**

-3.1.G.2 Who owns and or controls the land under the restricted airspace you use?
FACSFAC VACAPES AND NASA WALLOPS

-3.1.G.3 How much of this is Restricted Airspace, and what altitude limits are associated with the restricted areas? **Restricted areas are designated and assigned by controlling authority.**

-3.1.G.4 Do you have special use airspace other than supersonic airspace? **Yes/no.** If yes, for what types of test (e.g. terrain following radar)? **Dimensions? Will it support**

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simultaneous users? Yes/no. **Special use airspace designated and assigned by controlling authority.**

-3.1.G.5 Is the airspace over land or water? List the number of square miles over each.

22,111 over water, 15 over land

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C.O.
12 Jun 94 / 22, 118

-3.1.G.6 Identify known or projected airspace problems that may prevent accomplishing your mission. None

-3.1.G.7 What is the maximum straight line segment in your airspace in nautical miles?

225 nautical miles

-3.1.G.8 What public airspace have you used for overflight of weapons systems in the past? What was the nature of those tests? Do you anticipate being able to use that same public airspace for similar tests in the future? Yes/no. None

3.1.H Geographic/Climatological Features (MV II) - Measure of Merit: *Extent to which types of climatic/geographic conditions represent world-wide operational conditions.*

-3.1.H.1 Describe the topography and ground cover/vegetation within your test airspace (include nap-of-the-earth capability). Identify all of the following that apply: mountains, forest/jungle, cultivated lowland, swamp/riverine, desert, and sea. State the area of each in square miles. ACSC has no test airspace of its own. As previously stated, ACSC utilizes primarily FACSAC VACAPE operating areas which are all over water.

-3.1.H.2 Are there features of the local geology or soil conditions that enhance or inhibit any types of test? No

-3.1.H.3 Did you have to go to other geographical locations to satisfy test requirements? Yes/no and explain. If yes, provide as a percent of overall workload per year for the past 8 years. No

-3.1.H.4 What is the number of days per year the average temperature is below 32 degrees F? Between 32 and 95 degrees? Above 95 degrees?

<32 F: 71 days; >95 F: 5 days; 32-95F: 289 days

-3.1.H.5 What is the number of days per year the average relative humidity is below 30%? Between 30 and 80%? Above 80%? <30%: 57 days;

>80%: 83 days; 30-80%: 225 days

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simultaneous users? Yes/no. **Special use airspace designated and assigned by controlling authority.**

-3.1.G.5 Is the airspace over land or water? List the number of square miles over each. 22,111 over water, 15 over land

-3.1.G.6 Identify known or projected airspace problems that may prevent accomplishing your mission. None

-3.1.G.7 What is the maximum straight line segment in your airspace in nautical miles? 225 nautical miles

-3.1.G.8 What public airspace have you used for overflight of weapons systems in the past? What was the nature of those tests? Do you anticipate being able to use that same public airspace for similar tests in the future? Yes/no. None

3.1.H Geographic/Climatological Features (MV II) - Measure of Merit: *Extent to which types of climatic/geographic conditions represent world-wide operational conditions.*

-3.1.H.1 Describe the topography and ground cover/vegetation within your test airspace (include nap-of-the-earth capability). Identify all of the following that apply: mountains, forest/jungle, cultivated lowland, swamp/riverine, desert, and sea. State the area of each in square miles. ACSC has no test airspace of its own. As previously stated, ACSC utilizes primarily FACSFAC VACAPE operating areas which are all over water.

-3.1.H.2 Are there features of the local geology or soil conditions that enhance or inhibit any types of test? No

-3.1.H.3 Did you have to go to other geographical locations to satisfy test requirements? Yes/no and explain. If yes, provide as a percent of overall workload per year for the past 8 years. No

**-3.1.H.4 What is the number of days per year the average temperature is below 32 degrees F? Between 32 and 95 degrees? Above 95 degrees?
<32 F: 71 days; >95 F: 5 days; 32-95F: 289 days**

**-3.1.H.5 What is the number of days per year the average relative humidity is below 30%? Between 30 and 80%? Above 80%? <30%: 57 days;
>80%: 83 days; 30-80%: 225 days**

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-3.1.H.6 What is the number of test missions per year (1985 - 1993) canceled due to weather? **3**

-3.1.H.7 What is the number of test days per year (1985 - 1993) canceled due to weather? **2**

-3.1.H.8 What is the number of days per year the visibility is less than 1 mile? Between 1 and 3 miles? Greater than 3 miles? **<1 mile: 25 days;**
>3 miles: 310 days: 1-3 miles: 30 days

-3.1.H.9 What is the average number of flying days available per year for flight test? Provide historical average from the past eight years.
340 days

-3.1.H.10 What percentage of the time are your test operations restricted due to weather? **<1%**

3.2 AIR VEHICLES N/A

This functional area includes facilities involved in the testing of all air vehicles/subsystems/components whether fixed wing or rotary wing and test of major subsystems (e.g., avionics, engines, and sensors). This includes flight testing and the testing involving pre- and post-flight preparation and processing of the air vehicle. Unmanned air vehicles and cruise missiles are included.

3.2.A Supersonic Airspace (MV II) - Measure of Merit: *Extent of range size to support weapon system requirements.*

-3.2.A.1 Do supersonic corridors or areas exist? Yes/no.

-3.2.A.2 Where are they located relative to your airfield?

-3.2.A.3 At what altitude (upper and lower altitude)?

-3.2.A.4 Over land or water? What size and shape (length and width)?

-3.2.A.5 Are there restrictions you must observe to use this space? Yes/no. If yes, explain.

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-3.2.A.6 What is the maximum number of simultaneous users?

-3.2.B Airfield and Facility Characteristics (MV II) - Measure of Merit: *Extent of air vehicle infrastructure to support T&E operations.*

-3.2.B.1 Provide a brief description of your airfield and support facilities, to include the following: number and azimuth of runways, elevation, runway length (excluding overrun), overrun length, terminal and/or landing aids, arresting cable (yes/no, type), ramp area (in square feet), construction material (runway and ramps), load capability, and hangar space.

-3.2.B.2 How close and how many emergency runways or airfields are in your area of operation?

-3.2.B.3 Where is your airfield situated relative to working areas (airspace) for supporting test operations?

-3.2.B.4 What makes your airfield unique or at least suited for supporting test operations?

-3.2.B.5 Is there a size, weight, maintenance or mission limitation that would affect test operations? If so, describe the limitation(s).

-3.2.B.6 Including hangers and ramp space, how many fighter size aircraft could you support? Large multi-engine aircraft? Rotary wing? UAV? Cruise missiles?

-3.2.C Test Operations (MV II) - Measure of Merit: *Extent of T&E operations that the airspace can accommodate.*

-3.2.C.1 What types of air vehicle testing (fixed wing, rotary wing, unmanned vehicles, and cruise missiles) can be supported? (e.g. performance, handling qualities, fatigue life, static, wheels and brakes, physical integration with external stores or avionics)

-3.2.C.2 Do ground support facilities exist for pre-flight checkout or rehearsal of test missions?

-3.2.C.3 What kinds, numbers of aircraft and mix can be supported (manned and unmanned)?

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-3.2.C.4 Does UAV and or rotary wing operations pose any limitation on other types of missions? If yes, explain.

-3.2.C.5 What sorts of missions (e.g. air-to-air, air-to-ground and refueling) can be flown within local airspace?

-3.2.C.6 What is the maximum number of simultaneous missions you can support that require telemetry?

-3.2.C.7 What is the largest number of simultaneous test missions you have supported in your airspace?

-3.2.C.8 Identify the number, types, and owners of aircraft at your installation.

3.3 ELECTRONIC COMBAT

This functional area includes facilities involved in the testing of stand-alone electronic combat systems and electronic combat subsystems that are normally integrated into other weapon systems. It includes the testing of systems or subsystems that have as their primary mission threat warning, testing of systems that provide countermeasures in the RF (radio frequency) spectrum against radars and other RF sensors, systems that provide countermeasures that are used against sensors in the electro-optical or infrared spectrum as well as testing of electronic and C3 countermeasures.

3.3.A Threat Environment (MV I) - Measure of Merit: *Extent to which the capability satisfies weapon system requirements.*

-3.3.A.1 What is the number of threats simulated? **Kinetics of up to 1024 surface, air and subsurface targets and jamming parameters. Electronic emissions of threats currently recognized by SLQ-32 threat library.**

-3.3.A.2 How many simultaneous threats can be simulated? What type (e.g. AI, AAA, SAM)? What is maximum signal density? Average density? What power level? What band? Radiated or injected? **80 platform based threats, injected.**

-3.3.A.3 Are the threat software models and simulators (software/hardware) validated? Yes/no. If yes, by whom? **Yes, PMS400**

-3.3.A.4 Do you conduct open loop testing? Reactive? Closed loop? Yes/no for each.

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Yes, Yes, Yes

-3.3.A.5 What is the threat representation (fidelity) and density?

Kinematics - High, density to 1024

Electronic - High

-3.3.A.6 Are you capable of simulating land threats? Sea threats? Combined land/sea threats? Yes/no. If yes, describe. *YES, YES, YES, VIDEO REPRESENTATION AND EMISSION SIMULATION.*

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12 Jul 94*

-3.3.A.7 What geographic dispersion can be simulated?

-3.3.A.7.A Threat lay down? **Yes**

-3.3.A.7.B Representative distance? **Yes**

-3.3.A.8 Are the threats moveable (i.e.dynamic) within a test scenario? relocatable to new scenarios? yes/no **Yes**

-3.3.A.9 Is the facility interlinked with off-site threats? Yes/no. If yes, how are you linked? **No**

-3.3.A.10 Is there a limit on simultaneous users? Yes/no. If no, explain.

Yes

3.3.B Test Article Support (MV II) - Measure of Merit: *Extent to which test support satisfies weapon system test requirements.*

-3.3.B.1 Is there a size, weight, or other limitation on test operations the facility can support? Yes/no. If so, identify the limits and measures to remove them. **No**

-3.3.B.2 What is the number of simultaneous countermeasures that can be evaluated?
N/A

-3.3.B.3 What range of spectra can be tested and evaluated? **N/A**

-3.3.B.4 What are the available spectra? **N/A**

-3.3.B.5 Do you have a scene generation capability? Yes/no. If yes, describe. **No**

3.4 ARMAMENTS / WEAPONS **N/A**

This functional area includes facilities involved in the testing of the weapons portion of a

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Yes, Yes, Yes

-3.3.A.5 What is the threat representation (fidelity) and density?

Kinematics - High, density to 1024

Electronic - High

-3.3.A.6 Are you capable of simulating land threats? Sea threats? Combined land/sea threats? Yes/no. If yes, describe.

-3.3.A.7 What geographic dispersion can be simulated?

-3.3.A.7.A Threat lay down? **Yes**

-3.3.A.7.B Representative distance? **Yes**

-3.3.A.8 Are the threats moveable (i.e.dynamic) within a test scenario? relocatable to new scenarios? yes/no **Yes**

-3.3.A.9 Is the facility interlinked with off-site threats? Yes/no. If yes, how are you linked? **No**

-3.3.A.10 Is there a limit on simultaneous users? Yes/no. If no, explain.

Yes

3.3.B Test Article Support (MV II) - Measure of Merit: *Extent to which test support satisfies weapon system test requirements.*

-3.3.B.1 Is there a size, weight, or other limitation on test operations the facility can support? Yes/no. If so, identify the limits and measures to remove them. **No**

-3.3.B.2 What is the number of simultaneous countermeasures that can be evaluated?
N/A

-3.3.B.3 What range of spectra can be tested and evaluated? **N/A**

-3.3.B.4 What are the available spectra? **N/A**

-3.3.B.5 Do you have a scene generation capability? Yes/no. If yes, describe. **No**

3.4 ARMAMENTS / WEAPONS **N/A**

This functional area includes facilities involved in the testing of the weapons portion of a

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weapon system. In those cases where the weapon system is composed almost exclusively of the weapon, it may include system-level and platform integration testing. In other cases, it addresses just the weapon subsystem (e.g., guidance and control, propulsion, warheads, and airframe), while the testing of the weapon system's vehicle is in another functional area.

3.4.A Directed Energy (MV II) - Measure of Merit: *Extent to which the facility satisfies directed energy weapon system test requirements.*

This includes testing of all types of directed energy weapons.

-3.4.A.1 Do you currently test directed energy weapon systems? Yes/no.

If yes, explain. Describe the power source(s) you have available. What is your maximum downrange distance?

3.4.B Rocket / Missile / Bomb Systems (MV II) - Measure of Merit: *Extent capability satisfies weapon system test requirements.*

This includes the testing of all types of rocket, missile, and bomb systems at the system/subsystem/component level, both stand alone and integrated into the launch platform. This includes testing of air-to-air, air-to-surface, and surface-to-air missiles.

-3.4.B.1 Ground Space

-3.4.B.1.A What is the area in square miles of the land and water space which you can use to conduct tests of live rocket, missile, or bomb systems?

-3.4.B.1.B How many separate and distinct land and water test areas are available to conduct tests of live weapons? List them and the size of each in acres.

-3.4.B.1.C What are the maximum ranges (nautical miles) you can test, by type weapon?

3.4.B.2 Test Operations

-3.4.B.2.A For each of your land and water ranges, how many test missions were scheduled in FY92 and FY93 that were required to use safety footprints comparable to those required for the following types of weapons:

--Unguided 2000 pound-class ballistic weapon

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- live?
- inert?
- Guided weapon (e.g., GBU-24 class)
 - live?
 - inert?
- Stand-off weapon (e.g., AGM-130 class)
 - live?
 - inert?
- Short-range missile (e.g., AIM-9)
 - below 5000 feet MSL
 - between 5000 and 20,000 feet MSL
 - above 20,000 feet MSL
- Long-range missile (e.g., AIM-120)
 - below 5000 feet MSL
 - between 5000 and 20,000 feet MSL
 - above 20,000 feet MSL

-3.4.B.2.B Were flight termination systems required? Yes/no.

-3.4.B.2.C If no missions were scheduled in a category, give the reason(s).

-3.4.B.2.D Were any scheduled missions canceled before the mission, or terminated/aborted during the mission because of encroachments into the safety footprint? Yes/no. If yes, how many per year.

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APPENDIX A - DATA FORMS AND INSTRUCTIONS

1. Form, General Information

Facility/Capability: Enter the descriptive title for the facility/capability. Avoid using acronyms and abbreviations unless the title defines the acronym. Example: Guided Weapons Evaluation Facility (GWEF).

Origin date: Enter today's date in the format MM/DD/YY.

Military Department: Allowable entries include "N" for Navy, "A" for Army, and "AF" for Air Force. If the facility/capability is managed by an "Other Government Agency" (e.g. ARPA, DNA, ACC) enter the appropriate Agency name.

Organization/Activity: Enter the name (with acronym) for the field activity. Example: White Sands Missile Range (WSMR).

Location: Enter the location where the facility/capability is physically located (installation, city or other common name).

Unit Identification Code (UIC): Enter the UIC.

T&E Functional Area: Enter the single area this facility/capability primarily supports: Air Vehicles, Armament/Weapons, Electronic Combat, or Other.

T&E Test Facility Category: Enter the facility category based on the following definitions:

(1) **Digital Models and Computer Simulations (DMS)**- Those models and simulations which either provide a simulated test environment or representations of systems, components, and platforms. DMSs are used throughout the development and test process, as analytical tools, as well as tools to drive or control electronic and other environmental stimuli provided, the test articles on Open Air Ranges (OARs), Installed Systems Test Facilities (ISTFs), Hardware in the Loop Test Facilities (HITLs), Integration Laboratories (ILs), and Measurement Facilities (MFs).

(2) **Measurement Facilities (MF)**- Those facilities used to provide a specialized test environment and/or data collection capability. MFs may be ground based laboratories or open air facilities (often located at or part of OARs).

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(3) Integration Laboratories (IL)- Those facilities designed to support the integration and test of various systems and components that will be installed in a host platform. ILs are generally platform specific or unique. However, the simulated stimuli and data collection capabilities required by ILs are often common with those required by HITLS and ISTFs.

(4) Hardware-In-The-Loop (HITL)- Those facilities which provide capabilities to test systems or their components at various stages of development (e.g., brassboard, breadboard, prototype, preproduction, production). HITLs provide stimuli and data collection capabilities to permit test and evaluation of a system/component independent of the host platform.

(5) Installed Systems Test Facilities (ISTF)- Ground based test facilities (usually chambers) that allow test of systems and weapons as installed in the combat platform. ISTFs provide simulated test environments and stimuli and data collection capabilities for the test article(s).

(6) Open Air Ranges (OAR)- Those facilities which consist of controlled or restricted areas to support the test of platforms/systems in a real world, dynamic environment. They are instrumented with data collection, time-space-position information, positive control of test participants, and real or simulated targets and threats as appropriate.

Percentage Use: Enter percentage of time, based on hours, the facility is used to support each of the following (total must sum to 100%):

(1) Test and Evaluation (T&E)- Any facility that is accountable to Military Department and/or OSD T&E management oversight. Operation and sustainment of these facilities are typically funded from 6.5 or procurement program elements. Facilities in this category were developed to support developmental and/or operational test and evaluation and focus on the evaluation of system safety, technical performance, environmental (climatic, electromagnetic, etc.) effects, sustainability and operational suitability, maturity of production processes, and compliance with system specifications and quality standards.

(2) Science & Technology (S&T)- Any facility that is accountable to Military Department and/or OSD S&T management oversight. Operation and sustainment of these facilities are typically funded from 6.1, 6.2, and 6.3a program elements. Facilities in this category were developed to support experimental studies leading to enhanced understanding of new phenomena for new military applications as well as efforts directed toward the solution of problems in the physical, behavioral, and social sciences.

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(3) **Developmental Engineering (DE)**- Any facility that is accountable to Military Department and/or OSD Research, Development and Engineering or acquisition management oversight. Operation and sustainment of these facilities are typically funded from 6.3b through 6.4 or procurement program elements. Facilities in this category were developed to support proof-of-principle and engineering development of systems.

(4) **In-Service Engineering (IE)**- Any facility that is accountable to Military Department and/or OSD logistics management oversight. Operation and sustainment of these facilities are typically funded from 6.7 or Operations and Maintenance (O&M) program elements. Facilities in this category were developed to support the maintenance facilities. These facilities tend to be system peculiar capabilities to conduct checkouts of the system/subsystems after they have undergone a modification, upgrade or improvement.

(5) **Training and Doctrine (T&D)**- Any facility that is accountable to Military Department and/or OSD training and doctrine management oversight. Operation and sustainment of these facilities are typically funded from O&M program elements. Facilities in this category were developed to support the training and proficiency of operational forces and/or the development of new tactics, doctrine or force structure concepts.

(6) Other - Any work outside the above.

Breakout by T&E Functional Area: For each of the above categories (T&E, S&T, DE, IE, T&D, Other) enter percentage of time facility is used to support Air Vehicles, Armament/Weapons, Electronic Combat, or Other. Total of breakout areas must sum to top line percentage.

2. Form, Technical Information

Facility Description: Enter a brief description of the facility, including the mission statement.

Interconnectivity/Multi-Use of Facility: Describe any linking/interconnectivity with other T&E facilities. Include physical and/or data linkages (bandwidth, data rate, etc.). Describe any unique characteristics or multiple use of the resource (e.g., operating by rotating crew, availability of resource dependent on ..., equipment will be obsolete by ..., etc.)

Type Tests Supported: Enter specific types of tests accomplished by the Facility (e.g., electromagnetic compatibility, radar cross section, missile miss distance, air-to-air radar simulation, etc).

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Summary of Technical Capabilities: Describe technical capabilities at your facility to include:

Instrumentation/Assets: Enter instrumentation and other assets (e.g., jammers, target generators, recording equipment, computer support equipment) associated with the resource.

Provide fact sheets, not to exceed two pages.

Keywords: Enter any keywords (spelled-out with acronyms) associated with functions and capabilities of the facility (e.g., electromagnetic interference/electromagnetic compatibility (EMI/EMC), anechoic chamber, radar cross section (RCS)).

3. Form, Additional Information

Additional Information Form. Enter facility name. Provide personnel numbers for FY93, FY94, and each year in the FY95 FYDP broken out according to officers, enlisted, civilians and contractors. Enter total area square footage of indoor space, test area square footage of indoor space used for T&E purposes, and list office space square footage separately. Tonnage of equipment is the weight of all equipment associated with this facility. Volume of equipment is the volume of all equipment associated with this facility. Annual maintenance cost is self explanatory. Moving costs are estimates for packing equipment at the losing site and reassembly, calibration, etc at the receiving site, not including transportation costs. Capital equipment investments are the current improvement and modernization funds as well as any programs funds earmarked for equipment purchase.

4. Form, Facility Condition

Facility/Capability: Enter the descriptive title for the facility/capability.

Age: Indicate the age of the facility/capability as of the date on the General Information Form.

Replacement Value: Enter the replacement value for the facility/capability. Indicate whether this includes the replacement cost for the equipment.

Maintenance and Repair Backlog: Enter the total dollar amount of the backlog for maintenance and repair items.

Date of Last Upgrade: Date of the last major upgrade to the facility.

FOR OFFICIAL USE ONLY

Nature of Last Upgrade: Describe the purpose and capability increase from the last major upgrade. Indicate the date this upgrade became available for use.

Major Upgrades Programmed: Enter information on each of the major upgrades that are programmed. Indicate the total programmed amount and provide a summary description of the upgrade.

5. Form, Historical Workload

Use this form to report the workload performed at this facility each year from FY86-93.

Facility/Capability Title: Enter the descriptive title for the facility/capability. Avoid using acronyms and abbreviations unless the title defines the acronym. Example: Guided Weapons Evaluation Facility (GWEF).

T&E Functional Area: For each of these functional areas (Air Vehicles, Armament/Weapons, Electronic Combat, Other Test, and Other), enter direct labor hours, test hours, and/or missions for FY86 through FY93. For open air ranges involving flight testing, report test hours and missions. For all other T&E facilities direct labor hours and test hours must be reported; if available, missions must be reported. If an estimation of test hours based on direct labor hours is necessary, refer to the instructions for Determination of Unconstrained Capacity on page 28.

6. Form, Determination of Unconstrained Capacity

Annual Hours of Downtime, 1: If the facility were required to operate continuously for 24 hours a day, seven days a week, 52 weeks a year, determine the number of hours per day the facility can reasonably operate if it is not constrained by personnel strength? Consider your facilities, equipment, and instrumentation fixed at current levels.

1. Add up the total hours of downtime per year for maintenance, weather, darkness (daylight), holidays, etc. Enter in line 1.

Average Downtime Per Day, 2: Divide line 1 by 365 to get the average downtime per day. Fill in at line 2.

Average Hours Available Per Day, 3: Subtract line 2 from 24 hours to get the average number of hours per day the facility is available for test. Fill in at line 3.

FOR OFFICIAL USE ONLY

Analyze your historic workload mix to determine the average number and type of tests that have been run simultaneously at your facility. Determine the maximum number of tests that can be run simultaneously if there is no limit to personnel authorizations. Enter the following data from your analysis

Test Types, 4: Enter in column 4 the name of the type of test.

Tests at One Time, 5: List the number of each type of test that can be conducted simultaneously in column 5.

Workload Per Test

Per Facility Hour, 6: List the workload (reported in units as follows: For open air range flight testing, report workload in flight hours and numbers of missions. For all other test facility categories, including open air range other than flight testing, report workload in direct labor hours) represented by each hour the test is run. Do this at line 6.

From the historic workload analysis, determine the average workload per facility hour represented by the average or "typical" test. In the row titled "TYPICAL", in column 5, enter the number of these "typical" tests that can be run in addition to those already listed above. Enter the workload per "typical" test per facility hour in column 6. To estimate test hours from direct labor hours for the Historic Workload Form, divide the facility workload by this number (the number of direct labor hours per "typical" test per facility hour) and enter in the test hour block on the Historic Workload Form.

Workload Per

Facility Hour, 7: Multiply column 5 by column 6. Enter in column 7. Total column 7.

Unconstrained

Capacity Per Day, 8: Multiply the total from column 7 by line 3 to get the unconstrained capacity per average day. Enter in line 8.

Annual

Unconstrained

Capacity, 9: Multiply line 8 by 365 to get the unconstrained capacity per year for the facility. Enter on line 9.

GENERAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser and Destroyer Bldgs only - V10/V20)

Origin Date: 05/10/94

| | | | |
|---|------------------------------------|-------------------------------------|-------------------|
| Service: <u>N</u> | Organization/Activity: <u>ACSC</u> | Location: <u>WALLOPS ISLAND, VA</u> | |
| T&E Functional Area: <u>ELECTRONIC COMBAT</u> | UIC = <u>45534</u> | | |
| T&E Test Facility Category: <u>ISTF</u> | | | |
| PERCENTAGE USE: | T&E <u>0.5%</u> | S&T <u>8.4%</u> | D&E <u>22.6%</u> |
| | <i>16 SEP 94</i> | <i>16 SEP 94</i> | <i>16 SEP 94</i> |
| BREAKOUT BY T&E FUNCTIONAL AREA (%) | IE <u>20.4%</u> | T&D <u>23.8%</u> | OTHER <u>100%</u> |
| Air Vehicles | <u>N/A</u> | <u>22%</u> | <u>24.2%</u> |
| Armanent/Weapons | <u>N/A</u> | <u>22%</u> | <u>26% (LISE)</u> |
| EC | <u>N/A</u> | <u>100%</u> | <u>100%</u> |
| Other | <u>100%</u> | <u>100%</u> | <u>100%</u> |

180

R

Total in Breakout Must Equal "Percentage Use" On First Line

BASED ON FY93 INFORMATION

ENCL (1)



16 SEP 94

16 SEP 94

GENERAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser and Destroyer Bldgs only - V10/V20)

Origin Date: 05/10/94

| | | | | | | |
|---|------------------------------------|-------------------------------------|----------------|-------------|----------------|--------------------|
| Service: <u>N</u> | Organization/Activity: <u>ACSC</u> | Location: <u>WALLOPS ISLAND, VA</u> | | | | |
| T&E Functional Area: <u>ELECTRONIC COMBAT</u> | UIC = <u>45534</u> | | | | | |
| T&E Test Facility Category <u>ISTF</u> | | | | | | |
| PERCENTAGE USE: | <u>T&E</u> | <u>S&T</u> | <u>D&E</u> | <u>IE</u> | <u>T&D</u> | <u>OTHER</u> =100% |
| | <u>8.4%</u> | <u>8.7%</u> | <u>22.6%</u> | <u>21%</u> | <u>22%</u> | <u>24.2%</u> |
| | | | | | | <u>28% (LSE)</u> |
| BREAKOUT BY T&E FUNCTIONAL AREA (%) | | | | | | |
| Air Vehicles | <u>N/A</u> | | | | | |
| Armanent/Weapons | <u>N/A</u> | | | | | |
| EC | <u>N/A</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> |
| Other | | | | | | |
| Total in Breakout Must Equal "Percentage Use" On First Line | | | | | | |

BASED ON FY93 INFORMATION

ENCL (5)

RBM
C.O.
13JUL94

Revised P9

GENERAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser and Destroyer Bldgs only - V10/V20)

Origin Date: 05/10/94

| | | | | | | |
|---|------------------------------------|-------------------------------------|-------------------|-------------------|-------------------|--------------------|
| Service: <u>N</u> | Organization/Activity: <u>ACSC</u> | Location: <u>WALLOPS ISLAND, VA</u> | | | | |
| T&E Functional Area: <u>ELECTRONIC COMBAT</u> | | UIC = <u>45534</u> | | | | |
| T&E Test Facility Category <u>ISTF</u> | | | | | | |
| | <u>T&E</u> | <u>S&T</u> | <u>D&E</u> | <u>IE</u> | <u>T&D</u> | <u>OTHER =100%</u> |
| PERCENTAGE USE: | <u> </u> | <u>8.4%</u> | <u>22.6%</u> | <u>21%</u> | <u>22%</u> | <u>26% (LSE)</u> |
| BREAKOUT BY T&E FUNCTIONAL AREA (%) | | | | | | |
| Air Vehicles | <u>N/A</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Armanent/Weapons | <u>N/A</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| EC | <u>N/A</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> | <u>100%</u> |
| Other | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Total in Breakout Must Equal "Percentage Use" On First Line | | | | | | |

BASED ON FY93 INFORMATION

TECHNICAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC)

Facility Description; Including mission statement: ACSC is an Echelon III Navy command under the AEGIS Program Manager (PMS400). ACSC consists of a cruiser building, a destroyer building, a command life support facility, 28 family housing units, a galley, a BOQ and a BEQ. **Mission statement:** To affordably replicate the combat systems of all AEGIS ships; so that a combined AEGIS Program team of military, civil service and contract personnel can: install prototype upgrades to verify they are effective and ready for fleet introduction, train commissioning and replacement crews, participate in fleet ops, R&D and major test exercises in a maritime environment, fully test revised versions of AEGIS weapons systems computer programs, and investigate/correct reported problems.

Interconnectivity/Mult-Use of T&E Facility: ACSC can conduct UHF/HF LINK 11 operations with NSWC Dahlgren and Fleet Combat Direction Systems Support Activity (FCDSSA) Dam Neck. ACSC can conduct multi-frequency LINK 16 operations with NATC Patuxent River, FCDSSA and via a T-1 line to Naval Command Control and Surveillance Center, San Diego, CA. ACSC can also conduct LINK 11 operations with all capable ships in the VACAPE operating areas.

Type of Test Supported: Integration of R&D Equip/Systems with the AEGIS weapons systems.

Summary of Technical Capabilities: ACSC contains sufficient equipment to replicate the combat systems of all operational AEGIS ships.

For moe detailed analysis refer to attached ACSC Users Guide.

Keywords:

ADDITIONAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser & Destroyer Bldgs only - V10/V20)

PERSONNEL

| | FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Officer | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| Enlisted | 59 | 58 | 59 | 59 | 59 | 59 | 59 |
| Civilian | 17 | 16 | 16 | 16 | 16 | 16 | 16 |
| Contractor | 129 126 | 132 133 | 97 98 | 106 107 | 102 103 | 111 112 | 113 114 |
| Total | ²⁰⁵ 208 | ²¹² 211 | ¹⁷⁸ 177 | ¹⁸⁷ 186 | ¹⁸³ 182 | ¹⁹² 191 | ¹⁹⁴ 193 |

RBm
C.O.
13SEP94

Total Square Footage: 104,150 sq ft

Test Area Square Footage: 0 for T&E as defined in this data call; Office Space
Square Footage: 10,858 sq ft

however, approx 94,000 sq ft of equip space is used to support

ACSC's mission.

Tonnage of Equipment: 1,627 tons Volume of
Equipment: 70,512 cu ft

Annual Maintenance Cost: 3,324,500 Estimated
Moving Cost: \$134,000,000 #123,400,000

RBm
C.O.
12JUN94

CAPITAL EQUIPMENT INVESTMENT

| FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|------|----------------------|------|-------|------|------|-------|
| 18M | 8.6M 6.3M | 3.1M | 18.2M | 2.4M | 7.2M | 88.6M |
| | | | | | | |
| | | | | | | |

R

NOTE: This form is only for buildings V10/V20 (cruiser and destroyer buildings). It does not include the galley, BEQ, BOQ, family housing, and command life support facility.



ENCL (2)

ADDITIONAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser & Destroyer Bldgs only - V10/V20)

PERSONNEL

| | FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|--------------|------------|------------|------------|------------|------------|------------|------------|
| Officer | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| Enlisted | 59 | 58 | 59 | 59 | 59 | 59 | 59 |
| Civilian | 17 | 16 | 16 | 16 | 16 | 16 | 16 |
| Contractor | 129 | 132 | 97 | 106 | 102 | 111 | 113 |
| Total | 208 | 211 | 177 | 186 | 182 | 191 | 193 |

Total Square Footage: 104,150 sq ft

Test Area Square Footage: 0 for T&E as defined in this data call; Office Space
 Square Footage: 10,858 sq ft

ACSC's mission. however, approx 94,000 sq ft of equip space is used to support

Tonnage of Equipment: 1,627 tons Volume of
 Equipment: 70,512 cu ft

Annual Maintenance Cost: 3,324,500 Estimated
 Moving Cost: \$134,000,000 #123,400,000

CAPITAL EQUIPMENT INVESTMENT

| FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|------|-----------|------|-------|------|------|-------|
| 18M | 8.6M 6.3M | 3.1M | 18.2M | 2.4M | 7.2M | 88.6M |
| | | | | | | |
| | | | | | | |

NOTE: This form is only for buildings V10/V20 (cruiser and destroyer buildings). It does not include the galley, BEQ, BOQ, family housing, and command life support facility.

*R8m
C.O.
12 Jun 94*

ENCL (6)



Revised PG

ADDITIONAL INFORMATION

Facility/Capability Title: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser & Destroyer Bldgs only - V10/V20)

PERSONNEL

| | FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|------------|------|------|------|------|------|------|------|
| Officer | 3 | 5 | 5 | 5 | 5 | 5 | 5 |
| Enlisted | 59 | 58 | 59 | 59 | 59 | 59 | 59 |
| Civilian | 17 | 16 | 16 | 16 | 16 | 16 | 16 |
| Contractor | 129 | 132 | 97 | 106 | 102 | 111 | 113 |
| Total | 208 | 211 | 177 | 186 | 182 | 191 | 193 |

Total Square Footage: 104,150 sq ft

Test Area Square Footage: 0 for T&E as defined in this data call; Office Space Square Footage: 10,858 sq ft
 however, approx 94,000 sq ft of equip space is used to support ACSC's mission.

Tonnage of Equipment: 1,627 tons Volume of Equipment: 70,512 cu ft

Annual Maintenance Cost: 3,324,500 Estimated Moving Cost: \$134,000,000

CAPITAL EQUIPMENT INVESTMENT

| FY93 | FY94 | FY95 | FY96 | FY97 | FY98 | FY99 |
|------|------|------|-------|------|------|-------|
| 18M | 6.3M | 3.1M | 18.2M | 2.4M | 7.2M | 88.6M |
| | | | | | | |
| | | | | | | |

NOTE: This form is only for buildings V10/V20 (cruiser and destroyer buildings). It does not include the galley, BEQ, BOQ, family housing, and command life support facility.

FACILITY CONDITION

FACILITY/CAPABILITY TITLE: AEGIS COMBAT SYSTEMS CENTER (CRUISER & DESTROYER BUILDINGS ONLY - V10/V-20)

AGE: 7 YEARS

REPLACEMENT VALUE: IN EXCESS OF \$350 MILLION

MAINTENANCE AND REPAIR BACKLOG: NONE

DATE OF LAST UPGRADE: APR 94

NATURE OF LAST UPGRADE: ACTIVATED DDG-51 BASELINE 4 PHASE II CIC TO BE CAPABLE OF SUPPORTING AEGIS CG 65-73 AND DDG 54-63

MAJOR UPGRADES PROGRAMMED

1. UPGRADE TITLE: ACTIVATION OF BASELINE 5 PHASE III

TOTAL PROGRAMMED AMOUNT: 1,500,000

SUMMARY DESCRIPTION: PROVIDES EQUIP/COMPUTER PROGRAM CAPABILITY TO SUPPORT DDG 68-78

2. UPGRADE TITLE: ACTIVATION OF BASELINES 6 PHASE I AND PHASE II

TOTAL PROGRAMMED AMOUNT: 37,571,000

SUMMARY DESCRIPTION: PROVIDES EQUIP/COMPUTER PROGRAM CAPABILITY TO SUPPORT DDG 79-85 (PHASE I) AND DDG 86-96 (PHASE II)

IMPORTANT: Data is only for T&E, S&T and DE testing as defined on page 23 of this data call guidance. It does not include inservice engineering, training and lifetime support engineering workload.

HISTORICAL WORKLOAD

FACILITY/CAPABILITY TITLE: AEGIS COMBAT SYSTEMS CENTER (Cruiser and Destroyer Bldgs only - V10/V20)

| T&E FUNCTIONAL AREA | | FISCAL YEAR | | | | | | | |
|-------------------------|--------------|-------------|----|----|----|----|-----------------------|-------------------------|-------------------------|
| | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 |
| AIR VEHICLES N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| EC | DIRECT LABOR | | | | | | 2974 | 9932 | 8340 |
| | TEST HOURS | | | | | | 489 495 | 3293 3357 | 4777 4785 |
| | MISSIONS | | | | | | - | - | - |
| ARMAMENT/WEAPONS N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| OTHER T&E N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| OTHER N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |

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17 Jul 94

Revised 99

ENCL 04

NOTE: Accurate data is only available from 1991. ACSC was first opened to support training in FY87. Prior to 1991 the only significant R&D efforts were CEC Demo90 (a 2-1/2 week demo in Jul/Aug 1990 which basically required 24 hrs/day support from ACSC) and some work with JTIDS/AEGIS integration.

IMPORTANT: Data is only for T&E, S&T and DE testing as defined on page 23 of this data call guidance. It does not include inservice engineering, training and lifetime support engineering workload.

HISTORICAL WORKLOAD

FACILITY/CAPABILITY TITLE: AEGIS COMBAT SYSTEMS CENTER (Cruiser and Destroyer Bldgs only - V10/V20)

| T&E FUNCTIONAL AREA | | FISCAL YEAR | | | | | | | |
|-------------------------|--------------|-------------|----|----|----|----|------|------|------|
| | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 |
| AIR VEHICLES N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| EC | DIRECT LABOR | | | | | | 2974 | 9932 | 8340 |
| | TEST HOURS | | | | | | 489 | 3293 | 4777 |
| | MISSIONS | | | | | | - | - | - |
| ARMAMENT/WEAPONS N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| OTHER T&E N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |
| OTHER N/A | DIRECT LABOR | | | | | | | | |
| | TEST HOURS | | | | | | | | |
| | MISSIONS | | | | | | | | |

NOTE: Accurate data is only available from 1991. ACSC was first opened to support training in FY87. Prior to 1991 the only significant R&D efforts were CEC Demo90 (a 2-1/2 week demo in Jul/Aug 1990 which basically required 24 hrs/day support from ACSC) and some work with JTIDS/AEGIS integration.

DETERMINATION OF UNCONSTRAINED CAPACITY

FACILITY/CAPABILITY TITLE: AEGIS COMBAT SYSTEMS CENTER (ACSC) (Cruiser and Destroyer bldgs only - V10/V20)

| | | |
|---|---|-------------|
| ANNUAL HOURS OF DOWNTIME | 1 | <u>3184</u> |
| AVERAGE DOWNTIME PER DAY (LINE 1 ÷ 365) | 2 | <u>8.7</u> |
| AVERAGE HOURS AVAILABLE PER DAY (24 - LINE 2) | 3 | <u>15.3</u> |

| TEST TYPES | TESTS AT ONE TIME | WORKLOAD PER TEST PER FACILITY HOUR | WORKLOAD PER FACILITY HOUR | UNCONSTRAINED CAPACITY PER DAY (LINE 3 X TOTAL Σ) |
|--|----------------------|--|-------------------------------|---|
| 4 | 5 (NOTE 1) | 6 | 7 | 8 <u>183.6</u> |
| <u>R&D EQUIP/ SYSTEMS INTEGRATION W/ AEGIS</u> | <u>2</u> | <u>6</u> | <u>12</u> | |
| _____ | _____ | _____ | _____ | ANNUAL UNCONSTRAINED CAPACITY |
| _____ | _____ | _____ | _____ | 9 <u>67,014</u> |
| _____ | _____ | _____ | _____ | |
| _____ | _____ | _____ | _____ | |
| <u>"TYPICAL"</u> | <u>N/A</u> | _____ | _____ | |

TOTAL Σ _____

NOTE 1: Only RDT&E events considered. This is assuming one project can utilize Baseline 1/2 AEGIS Weapon System (AWS) and other project can utilize B/L 3 and above AWS. ACSC has 4 complete CIC's and appropriate computer suites and sufficient associated combat systems equip (less ordnance launching systems other than CIWS) to be able to replicate AEGIS ships by use of an extensive switching system. This allows ACSC to have a significant capability to multiplex (have several users utilize common equip simultaneously) for routine training, ISE, and several LSE events. However, due to the unique requirements of the R&D projects that have been sponsored at ACSC, other users may or may not be able to co-exist while the R&D event is conducted. It must be looked at on a case by case basis.



BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief. T&E Joint Gross Service Group Data Call 13

ACTIVITY COMMANDER

R. B. MOORE, CAPT, USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

10 MAY 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R. B. MOORE, CAPT USN
NAME (Please type or print)

R. B. Moore
Signature

COMMANDING OFFICER
Title

13 Jul 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity

ENCL (7)





AEGIS CSC DATA CALL 13

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

NEXT ECHELON LEVEL (if applicable)

JOHN J. KUESTERS
NAME (Please type or print)
DEPUTY AEGIS PROGRAM MGR
Title
AEGIS PROGRAM OFFICE
Activity

J. J. Kuesters
Signature
9/21/94
Date

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

~~NEXT ECHELON LEVEL (if applicable)~~

~~NAME (Please type or print)
Title
Activity~~

~~Signature
Date~~

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

MAJOR CLAIMANT LEVEL

G. R. STERNER
NAME (Please type or print)
Commander
Title
Naval Sea Systems Command
Activity

G. R. Sterner
Signature
9.22.94
Date

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)
Title

W. A. Earner
Signature
9/29/94
Date



AEGIS CSC
DATA CALL 13

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

R.B. MOORE
NAME (Please type or print)

R.B. MOORE
Signature

COMMANDING OFFICER
Title

16 Sep 94
Date

AEGIS COMBAT SYSTEMS CENTER
Activity