

DATA CALL 1: GENERAL INSTALLATION INFORMATION

1. **ACTIVITY:** Follow example as provided in the table below (delete the examples when providing your input). If any of the questions have multiple responses, please provide all. If any of the information requested is subject to change between now and the end of Fiscal Year (FY) 1995 due to known redesignations, realignments/closures or other action, provide current and projected data and so annotate.

° Name

Official name	Naval Aviation Engineering Service Unit, Philadelphia, PA
Acronym(s) used in correspondence	NAESU Philadelphia
Commonly accepted short title(s)	NAESU

° Complete Mailing Address

Commanding Officer
 Naval Aviation Engineering Service Unit
 Philadelphia Naval Base
 Bldg. 76-4
 Philadelphia, PA 19112-5088

° PLAD

NAESU PHILADELPHIA PA

° PRIMARY UIC: N62849 (Plant Account UIC for Plant Account Holders)

Enter this number as the Activity identifier at the top of each Data Call response page.

° ALL OTHER UIC(s) - PURPOSE: To identify each detachment as a separate unit.

PLANT ACCOUNT HOLDER:

° Yes X No _____ (check one)

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 _____ No X (check one)

° 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: 61189
- Primary Host (as of 01 Oct 1995) UIC: 68335
- Primary Host (as of 01 Oct 2001) UIC: 68335

° 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)

4. 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
N/A		

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

Name	UIC	Location	Host name	Host UIC
NAESU ATLANTIC	30331	NORFOLK VA	NAS NORFOLK	00188
DET BEAUFORT	33203	BEAUFORT SC	MCAS BEAUFORT	60169
DET BRUNSWICK	30860	BRUNSWICK ME	NAS Brunswick	60087
DET CECIL FIELD	33205	CECIL FIELD	NAS CECIL FIELD	60200
DET CHERRY POINT	30340	CHERRY POINT NC	MCAS CHERRY POINT	68585
DET JACKSONVILLE	30340	JACKSONVILLE FL	NAS JACKSONVILLE	68585
DET MAYPORT	30340	MAYPORT FL	NAVSTA MAYPORT	60201
DET NEW RIVER	33206	JACKSONVILLE NC	MCAS NEW RIVER	65783
DET NORFOLK VA	30335	NORFOLK VA	NAS NORFOLK	00188
DET OCEANA	30328	VA BEACH	NAS OCEANA	60191
DET PATUXENT RIVER	30343	PATUXENT RIVER MD	NAWC-AD PATUXENT RIVER	00421
DET ROTA SPAIN	30868	ROTA SPAIN	NAVSTA ROTA	62863
DET SIGONELLA ITALY	30870	SIGONELLA ITALY	NAS SIGONELLA	62995
NAESU RESERVE	30338	NEW ORLEANS	NAS NEW ORLEANS	00206
DET ATLANTA		MARIETTA GA	NAS ATLANTA	00196
DET DALLAS		DALLAS TX	NAS DALLAS	00215
DET GLENVIEW		GLENVIEW IL	NAS GLENVIEW	00275
DET MEMPHIS TN		MILLINGTON TN	NAR MEMPHIS	00639
DET MOFFETT		MOFFETT FIELD CA	NAS MOFFETT	00296
DET NEW ORLEANS	30338	NEW ORLEANS LA	NAS NEW ORLEANS	00206

Name	UIC	Location	Host Name	UIC
DET SOUTH WEYMOUTH		SOUTH WEYMOUTH	NAS SOUTH WEYMOUTH	00101
DET WASHINGTON	30338	WASHINGTON DC	NAF WASHINGTON	00166
DET WILLOW GROVE		WILLOW GROVE PA	NAS WILLOW GROVE	00158
NAESU PACIFIC	30332	SAN DIEGO	NAS NORTH ISLAND	00246
DET NORTH ISLAND	30334	SAN DIEGO	NAS NORTH ISLAND	00246
DET ATSUGI	30329	ATSUGI JAPAN	NAF ATSUGI	62507
DET KANEOHE	33208	KANEOHE BAY	MCAS KANEOHE	00318

DET BARBERS POINT	30339	BARBERS POINT	NAS BARBERS POINT	00334
DET CAMP PENDLETON	33207	CAMP PENDLETON	MC BASE	00681
DET EL TORO	33207	SANTA ANA CA	MCAS EL TORO	60050
DET LEMOORE	31225	LEMOORE CA	NAS LEMOORE	63042
DET MIRAMAR	30342	SAN DIEGO CA	NAS MIRAMAR	60259
DET WHIDBEY ISLAND	30333	OAK HARBOR	NAS WHIDBEY	00620
DET IWAKUNI	30864	IWAKUNI JA	MCAS IWAKUNI	62613
DET POINT MUGU	32904	POINT MUGU	NAWC-WD POINT MUGU	63126
DET CHINA LAKE	35482	CHINA LAKE	NAWS CHINA LAKE	60530
DET YUMA	42076	YUMA AZ	MCAS YUMA	62974
DET OKINAWA	30867	OKINAWA	MCAS FUTEMA	62026
DET GUAM	32097	GUAM	NAS AGANA	61577
NAESU OFFICE INDIANAPOLIS		INDIANAPOLIS	NAWC INDIANAPO LIS	00163
NAESU OFFICE TINKER		TINER AFB OKLAHOMA	TINKER AFB	

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.

NAESU PHILADELPHIA (BRAC 91):

-Must relocate due to closure of Naval Station.

NAESU DET GLENVIEW (BRAC 93):

-Host activity affected by BRAC.

NAESU DET CHINA LAKE (BRAC 91):

-Host activity affected by BRAC.

NAESU DET GUAM (BRAC 93):

-Host activity affected by BRAC. Target disestablishment of

DET.

NAESU DET MEMPHIS (BRAC 93):

-Host activity affected by BRAC.

NAESU DET LEMOORE (BRAC 93):

-Transfer of squadrons.

NAESU DET KANEOHE BAY (BRAC 93):

-Transfer of squadrons.

NAESU DET DALLAS (BRAC 93):

-Transfer of aircraft Fleet/Reserve.

NAESU DET WHIDBEY (BRAC 91 AND 93):

-Received squadrons relocated from NAS Moffett (BRAC 91).

-Relocation of VQ-1 (EP-3) component from Guam.

Possible transfer of P-3 squadrons from NAS Barbers Pt (BRAC 93).

NAESU DET CECIL FIELD (BRAC 93):

-Must relocate due to closure of Naval Base.

NAESU DET EL TORO (BRAC 93):

- Host activity affected by BRAC.
NAESU DET BARBERS POINT (BRAC 93):
- Host activity affected by BRAC.
NAESU DET CAMP PENDLETON (BRAC 93):
- Host activity affected by BRAC.
NAESU DET MIRAMAR (BRAC 93):
- Host activity affected by BRAC.

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

- °Support, manage and maintain aviation ETS program.
- °Perform logistic element management of aviation ETS.
- °Manage aviation FMS ETS programs.
- °Prepare budgetary information for the NAVAIR ETS program.
- °Act as central procurement activity for all aviation CETS and CMS.
- °Collect, evaluate and publish technical information originated by/or developed from ETS.
- °Provide tailored, on-site training on all aspects of systems equipment (formal, informal and OJT).
- °Provide expertise, information and assistance on the application, use, theory, trouble-shooting and repair of systems/equipment.
- °Develop work-arounds, procedures and methods for maintenance of systems/equipment.
- °Identify system deficiencies and recommend solutions.
- °Review, evaluate and contribute to new and updated technical publications.
- °Assist, evaluate and report on installation and/or changes to systems/equipment.
- °Provide tech assists to operating forces:
 - in response to maintenance difficulties;
 - logistics meetings and conferences
- °Produce technical reports.
- °Assist customer identifying training needs.

Projected Missions for FY 2001

°Total current mission above, plus:

°Perform analysis and information flow for the total equipment life cycle related to:

(1) Design interface (relationship of logistics related design parameters to readiness and support resource requirements).

(2) Maintenance planning (evolve, establish, and revise maintenance concepts and requirements).

°Procuring Contracting Officer with unlimited authority.

°(In order to be more efficient and economical in providing Contracting Engineering and Technical Services, Contractor Maintenance Services and other related services to our customers).

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 N/A

Projected Unique Missions for FY 2001

N/A

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>NAVAL AIR SYSTEMS COMMAND</u>	<u>N00019</u>
° Funding Source	UIC
<u>NAVAL AIR SYSTEMS COMMAND</u>	<u>N00019</u>

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)			
° NAESU HQ and DETS	<u>28</u>	<u>45</u>	<u>630</u>
° Tenants (total)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian
(Appropriated)			
**NAESU HQ AND DETS	<u>28</u>	<u>45</u>	<u>665*</u>
° Tenants (total)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

*94 End Strength FTE as of the Congressional Budget

**Breakdown between Headquarters and field will be based upon changes in workload and fleet infrastructure.

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>CDR J. D. Van Sickle (CO)</u>	<u>215-897-5620</u>	<u>215-897-5602</u>	<u>609-354-0975</u>
<u>CDR C. R. Engelbert (XO)</u>	<u>215-897-5620</u>	<u>215-897-5959</u>	<u>302-656-1214</u>
° Duty Officer			[N/A]
<u>Rotates Weekly</u>	<u>215-805-1716</u>		

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	Enlisted	Civilian
N/A				

° Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
N/A				

° 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	Enlisted	Civilian
N/A					

° Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
N/A					

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.)
U. S. NAVAL FLEET, RESERVE; NAWC AD AND WD, DEPOTS, SPAWARS, FAA, U. S. COAST GUARD AND NADOC	WORLDWIDE	Provide ETS via government and contracted technicians. Provide centralized contracting (instructions and direct funding citations)
Foreign Governments	FMS Program	Centralized contracting function for Engineering and Technical Services and Contractor Maintenance Services (direct funding citations)

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, 8"x 11".)

° Air Installations Compatible Use Zones (AICUZ) Map. (Provide 12 copies.)

AVAILABLE MAPS PROVIDED AS ENCLOSURES.

NAESU PHILADELPHIA PA:

Local area map
Installation map
Aerial photo

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."

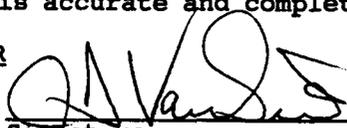
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

J. D. VAN SICKLE
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

12/3/94
Date

NAVAL AVIATION ENGINEERING
SERVICE UNIT
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)

CAPT ROBERT W. SMITH
NAME (Please type or print)

Robert W. Smith
Signature

ASST CDR FOR LOGISTICS & FLEET SUPPORT
Title

4 Feb 94
Date

NAVAL AIR SYSTEMS COMMAND (AIR-04)
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

W.C. BOWES, VADM USN
NAME (Please type or print)
COMMANDER, NAVAL AIR
SYSTEMS COMMAND
Title

W.C. Bowes
Signature
9 Feb 94
Date

NAVAL AIR SYSTEMS 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)

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

J. B. Greene, Jr
Signature

ACTING
Title

16 FEB 94
Date

Document Separator

139 Revision
Pg. 10, 10a, 10b,

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief. 10c

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.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

W.C. BOWES, VADM USN

NAME (Please type or print)

Signature

COMMANDER

Title

Date

NAVAL AIR SYSTEMS COMMAND

Activity

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

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

W.A. EARNER

NAME (Please type or print)

Signature

Title

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

W.C. BOWES, VADM USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR SYSTEMS COMMAND
Activity


Signature
20 Sep 92
Date

BRAC-95 CERTIFICATION

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

Karrie Ciavattone
NAME (Please type or print)

Karrie Ciavattone
Signature

BRAC 95 Coordinator
Title

20 September 1994
Date

AIR-09B
Division

Base Realignment & Closure Program Office
Department

Naval Air Systems Command
Activity

NAVAIR HQ
Changes to 10R, 10aR, 10bR and 10cR

Table 2.3 Class 2 Space Utilized/Leased by NAESU HQ (UIC 62849)

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	26			26
Housing & Community	700				
Utilities & Grounds	800				
Other					
Totals		26			26

As a result of BRAC-91 NAESU is scheduled to relocate to NAWC Lakehurst, NJ in Sep 95. MILCON Project number is P-232S, the Project Title is ENGINEERING MANAGEMENT FACILITY, and the Project Cost is \$1,770,000. This is to rehab a gym/weight room into 19,910 sqft. of office space. Construction should commence Jul 94 and be completed Jul 95. ASD, Philadelphia (CNO Htr 11000 Ser N444C/44594736 of 19 Jul 94). CNO Htr 16102 R. BRACON Project P232S cancelled. CINELANTFLT 36 major claimant for Naval Station, Philadelphia, to advise of any BRAC 91 funding needed to implement move. 10BR is ASD Htr of 11 Jul 94. 10CR is Cost Analysis Sheet. 10R (9/20/94)

Page 14 of 29
UIC 62849



DEPARTMENT OF THE NAVY
 CHIEF OF NAVAL OPERATIONS
 2000 NAVY PENTAGON
 WASHINGTON, DC 20350-2000

IN REPLY REFER TO

11000
 Ser N444C/4U594736
 19 Jul 94

From: Chief of Naval Operations
 To: Commander in Chief, U.S. Atlantic Fleet
 Commander, Naval Air Systems Command

Subj: REQUEST AUTHORITY TO MOVE THE NAVAL AVIATION ENGINEERING
 SERVICE UNIT (NAESU) TO THE AVIATION SUPPLY OFFICE (ASO)
 COMPOUND

Ref: (a) Commanding Officer, Naval Aviation Engineering Service
 Unit ltr 11000 Ser 00/090113 16 Jun 94 w/ends

1. Reference (a) request to move NAESU to the ASO Compound, Philadelphia is approved.
2. By copy of this letter, request COMNAVFACENGCOM cancel BRACON project P-232S. Request CINCLANTFLT, as BRAC major claimant for Naval Station Philadelphia, advise of any BRAC 91 funding needed at this time to implement the move.

P. W. DRENNON
 By direction

AIR-00
AIR-09
AIR-03
AIR-00A
AIR-00B

CC: [Redacted]
 71043
 07
 04

Copy to:
 COMNAVFACENGCOM
 NORTHNAVFACENGCOM
 ASO PHILADELPHIA
 COMNAVBASE PHILADELPHIA
 NAVSTA PHILADELPHIA
 NAESU PHILADELPHIA

102R (9/20/94)



DEPARTMENT OF THE NAVY

NAVAL AVIATION SUPPLY OFFICE
700 ROBBINS AVENUE
PHILADELPHIA, PA 19111-5098

AIR-00
AIR-09
AIR-03
AIR-00A
AIR/00B

IN REPLY REFER TO
11 JUL 1994

From: Commanding Officer, Naval Aviation Supply Office
To: Commander, Naval Air Systems Command (AIR-00)

07
11043 04

Subj: PROPOSED RELOCATION OF THE NAVAL AVIATION ENGINEERING SERVICE UNIT (NAESU) TO THE AVIATION SUPPLY OFFICE COMPOUND

1. In the development of the subject proposal, ASO was requested to provide data relative to the estimated cost and timeframe required to accommodate NAESU on the ASO Compound. This correspondence confirms the data previously provided on an informal basis.
2. NAESU would be housed in Building 2A on the ASO Compound placing them in proximity to ASO and the Naval Aviation Technical Services Facility. Building 2A is currently administrative space and would need to be vacated to accommodate NAESU. The realignment of existing personnel and the space redesign/renovation could be completed for NAESU occupancy by May 1995. The estimated design and renovation cost to prepare the space for NAESU is estimated at \$285K. Other costs associated with this move, i.e., furniture, ADP cabling transportation, have been calculated by NAESU.
3. ASO agrees with the synergism obtained by co-locating NAESU with NATSF and ASO would pay substantial dividends to the Naval Air Systems Team. If approved, ASO will do everything needed to ensure a smooth transition of NAESU to the ASO Compound.

J. P. Davidson
J. P. DAVIDSON

Copy to:
NAVAIR (04B)
NAESU

106R (9/20/94)

COST ANALYSIS SHEET

MOVE TO ASO:

Planning, design and rehab	285,000
Systems furniture	225,000
Computer room air conditioner	21,000
ADP cabling	35,000
Movers	25,000
Relocate/Disconnect Phones	<u>25,000</u>
	616,000

MILCON/Rehab cost is less than previously anticipated because Administrative space is available; therefore, the warehouse conversion is not required.

MOVE TO LAKEHURST:

FY-94 (funded):

MILCON	1,770,000
Equipment (file system)	<u>96,000</u>
	1,866,000

FY-95 (funded):

Civilian PCS	1,695,000
Lump Sum Leave	137,000
Relocate/Disconnect Phones	25,000
Moving Costs	51,000
Administrative Costs	165,000
Systems furniture	225,000
Computer room air conditioner	21,000
ADP cabling	<u>35,000</u>
	2,354,000

FY-96 (unfunded):

RIF Costs	604,682
Extended Health Benefit Costs	<u>48,960</u>
	653,642

FY-97 (unfunded):

Extended Health Benefit Costs	8,160
-------------------------------	-------

GRAND TOTAL	4,881,802
--------------------	------------------

Enclosure (3)

10eR (9/20/94)

MILITARY VALUE DATA CALL

TECHNICAL CENTERS

Category	Weapon System and material support
Technical Center Site	Naval Aviation Engineering Service Unit (Tenant Activity)
Location/Address	NAS, Philadelphia, PA

	Page
<u>Mission</u>	
1. Mission Statement	1
2. Joint Service Missions	1
<u>Technical Functions</u>	
3. Technical Functions Resource Allocations	2
<u>Manpower</u>	
4. Work Breakdown Structure	3
5. Technical Staff Qualifications	7
<u>Facilities and Equipment</u>	
6. Special Facilities/Equipment Resources	12
7. General Facilities/Equipment Resources	12
<u>Location</u>	
8. Geographic Location	14
<u>Features and Capabilities</u>	
9. Computational Facilities	15
10. Mobilization Responsibility and Capability	15
11. Range Resources	16
<u>Quality of Life</u>	

14. Base Family Support Facilities	28
15. Metropolitan Areas	29
16. VHA	30
17. Off-base Housing Rental and Purchase	31
18. Sea Intensive Ratings	33
19. Commute	33
20. Educational Opportunities	33
21. Employment Opportunities	37
22. Medical/Dental	37
23. Crime Rate	38

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.

To provide field engineering assistance and instruction to Naval Aviation activities in the installation, maintenance, repair, and operation of all types of aviation systems and equipment.

Ref: NAVAIR Instruction 5451.36D

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

page 1 of 45
UIC 62849

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.

page 2 of 15
UIC 62849

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.

page 3 of 45
UIC 62849

**Table 4.1, General Support Resources for
(Activity: NAESU) (UIC: 62849)**

Function	Space allocated (Gross SQFT)	Work Years	Civilian Personnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/TD/etc.)	.9	4	2	0	2	0
Comptroller	3	13	13	0	0	0
Admin	8	35	33	0	1	1
Human Resources	.5	2	1	0	0	1
OPERATIONS SUPPORT						
Supply Management	.5	2	1	0	0	1
Consolidated Computational Computer Support						
Information Systems and Communications	1.6	7	6	0	0	1
Safety/OSH/Environmental	.2	1	1	0	0	0
INFRASTRUCTURE						
Physical Security	.5	2	1	0	1	0
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations			20	0	0	0
Totals	15.2	66	78	0	4	4

page 4 of 45
UIC 62849

**Table 4.2, General Support Resources for all Detachments
(Activity: NAESU) (UIC: 62849)**

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		85	35	0	12	37
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			510	311	0	18
Totals		85	545	311	12	55

page 5 of 45
UIC 62849

DETACHMENTS WHOSE DATA IS INCLUDED IN TABLE 4.2 (GENERAL SUPPORT RESOURCES FOR ALL DETACHMENTS)

DET NAME	UIC	CIV	MIL
NAESU PACIFIC	30332	4	2
NAESU DET NORTH ISLAND	30334	33	2
NAESU DET KANEOHE	33208	5	2
NAESU DET LEMOORE	31225	27	2
NAESU DET MIRAMAR	30342	49	4
NAESU DET WHIDBEY ISLAND	30333	31	8
NAESU DET BARBERS POINT	30339	10	3
NAESU DET ATSUGI	30329	23	2
NAESU DET GUAM	32097	7	2
NAESU DET IWAKUNI	30864	9	3
NAESU DET OKINAWA	30867	10	1
NAESU DET EL TORO	33207	33	2
NAESU DET CAMP PENDLETON	33207	1	0
NAESU DET YUMA	42076	6	2
NAESU DET PONT MUGU	32904	1	1
NAESU DET CHINA LAKE	35482	1	1
NAESU ATLANTIC	30331	3	2
NAESU DET NORFOLK	30335	30	2
NAESU DET PATUXENT RIVER	30343	2	1
NAESU DET JACKSONVILLE	30340	33	3
NAESU DET MAYPORT	30340	10	1
NAESU DET CECIL FIELD	30861	46	3
NAESU DET OCEANA	30328	50	4
NAESU DET BRUNSWICK	30860	17	2
NAESU DET ROTA	30868	5	2
NAESU DET SIGONELLA	30870	5	2
NAESU DET CHERRY POINT	33205	27	2
NAESU DET BEAUFORT	33203	13	2
NAESU DET NEW RIVER	33206	20	2
NAESU RESERVE	30338	4	1
NAESU DET NEW ORLEANS		6	0
NAESU DET ATLANTA		5	0
NAESU DET DALLAS		2	0
NAESU DET GLENVIEW		3	0
NAESU DET MEMPHIS		2	0
NAESU DET WASHINGTON		3	0
NAESU DET WILLOW GROVE		3	0
NAESU DET SOUTH WEYMOUTH		1	0
NAESU DET NASA AMES		5	1

**Table 4.3, Previous BRAC Impact to General Support Resources for
(Activity: NAESU) (UIC: 62849)**

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						

page 7 of 45
UIC 62849

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: NAESU HQ) (UIC: 62849)

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		2	2	3	6	13
B.A./B.S					5	5
M.A./M.S					2	2
Ph.D./ M.D.						
Total	0	2	2	3	13	20

page 8 of 45
UIC 62849

**Table 5.2, Technical Staff Education Level for all Detachments
(Parent Activity: NAESU) (UIC: 62849)**

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					1	1
High School	1	21	50	42	319	433
B.A./B.S		10	6	7	44	67
M.A./M.S		1		2	6	9
Ph.D./M.D.						
Total	1	32	56	51	370	510

page 9 of 45
UIC 62849

DETACHMENTS WHOSE DATA IS INCLUDED IN TABLE 5.2 (TECHNICAL STAFF
EDUCATION LEVEL FOR ALL DETACHMENTS)

NAESU DET NORTH ISLAND
NAESU DET KANEOHE
NAESU DET LEMOORE
NAESU DET MIRAMAR
NAESU DET WHIDBEY ISLAND
NAESU DET BARBERS POINT
NAESU DET ATSUGI
NAESU DET GUAM
NAESU DET IWAKUNI
NAESU DET OKINAWA
NAESU DET EL TORO
NAESU DET CAMP PENDLETON
NAESU DET YUMA
NAESU DET NORFOLK
NAESU DET PATUXENT RIVER
NAESU DET JACKSONVILLE
NAESU DET MAYPORT
NAESU DET CECIL FIELD
NAESU DET OCEANA
NAESU DET BRUNSWICK
NAESU DET ROTA
NAESU DET SIGONELLA
NAESU DET CHERRY POINT
NAESU DET BEAUFORT
NAESU DET NEW RIVER
NAESU DET NEW ORLEANS
NAESU DET ATLANTA
NAESU DET DALLAS
NAESU DET GLENVIEW
NAESU DET MEMPHIS
NAESU DET WASHINGTON
NAESU DET WILLOW GROVE
NAESU DET SOUTH WEYMOUTH
NAESU DET NASA AMES

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: NAESU HQ) (UIC: 62849)**

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

page 11 of 45
UIC 62849

**Table 5.4, Technical Staff Academic Fields for all Detachments
(Parent Activity: NAESU) (UIC: 62849)**

Academic field	Number
Physics	
Chemistry	
Biology	
Mathematics/Statistics/ Operations Research	
Engineering	5
Medical	
Dental	
Computer Science	1
Social Science	
Other Science	
Non-Science	3
Total	9

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

N/A

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.

N/A

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.

N/A

f. Identify any Nobel laureates employed at this activity.

N/A

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

N/A

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

N/A

page 12 of 45
UIC 62849

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

N/A

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

N/A

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

N/A

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

N/A

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

N/A

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

N/A

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.

N/A

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.

b. What MILCON projects are currently programmed to be completed by the end of FY1995? 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

page 14 of 45
UIC 62849

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? For each project provide:

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

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

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

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

(5) CWE & planned BOD.

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.

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?

page 15 of 45
UIC 02849

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.

NAESU Headquarters is currently located on the Naval Station in Philadelphia. As a result of BRAC-91 NAESU is currently scheduled to relocate to NAWC Lakehurst, NJ. Remaining in the Philadelphia area would allow ready access to commercial air and rail transportation required to travel to the command's numerous field sites (located throughout the U.S. and overseas in Europe and Asia), Washington, D.C., and other customer sites. This would result in less time required for TDY and lower costs.

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

NONE.

page 16 of 45
UIC 62849

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.

10. Mobilization Responsibility and Capability.

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)

page 17 of 45
UIC 62849

(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.

page 18 of 45
UIC 62849

QUALITY OF LIFE

12. Military Housing

(a) Family Housing:

(1) Do you have mandatory assignment to on-base housing? (circle) yes 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				
Officer	1 or 2				
Enlisted	4+				
Enlisted	3				
Enlisted	1 or 2				
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?

page 19 of 45
 UIC 62849

(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		
	4+		
O-4/5	1	NA	
	2		
	3		
	4+		
O-1/2/3/CWO	1	NA	
	2		
	3		
	4+		
E7-E9	1		
	2		
	3		
	4+		
E1-E6	1		
	2		
	3		
	4+		

¹As of 31 March 1994.

page 20 of 45
UIC 62849

(5) What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? If so provide details.

Top Five Factors Driving the Demand for Base Housing	
1	
2	
3	
4	
5	

(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)?

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

Type of Quarters	Utilization Rate
Adequate	
Substandard	
Inadequate	

(8) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason?

page 21 of 45
 UIC 62849

(b) BEQ:

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

Type of Quarters	Utilization Rate
Adequate	
Substandard	
Inadequate	

(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:

$$\text{AOB} = \frac{(\# \text{ Geographic Bachelors} \times \text{average number of days in barracks})}{365}$$

(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.)			
Spouse Employment (non-military)			
Other			
TOTAL		100	

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

page 22 of 45
UIC 62849

(c) BOQ:

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

Type of Quarters	Utilization Rate
Adequate	
Substandard	
Inadequate	

(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:

AOB = (# Geographic Bachelors x average number of days in barracks)

365

(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.)			
Spouse Employment (non-military)			
Other			
TOTAL		100	

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

page 23 of 45
UIC 62849

(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

(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?

page 24 of 45
UIC 62849

(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

(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?

page 25 of 45
 UIC 62849

(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	

(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?

page 26 of 45
UIC 62849

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

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?

page 27 of 45
 UIC 62849

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 _____ **DISTANCE** _____

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		
Library	Books		
Theater	Seats		
ITT	SF		
Museum/Memorial	SF		
Pool (indoor)	Lanes		
Pool (outdoor)	Lanes		
Beach	LF		
Swimming Ponds	Each		
Tennis CT	Each		

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

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

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

page 29 of 45
 UIC 62849

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.

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:

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.

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

e. Are there other military child care facilities within 30 minutes of the base? State owner and capacity (i.e., 60 children, 0-5 yrs).

page 30 of 45
UIC 62849

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	SF	
Gas Station	SF	
Auto Repair	SF	
Auto Parts Store	SF	
Commissary	SF	
Mini-Mart	SF	
Package Store	SF	
Fast Food Restaurants	Each	
Bank/Credit Union	Each	
Family Service Center	SF	
Laundromat	SF	
Dry Cleaners	Each	
ARC	PN	
Chapel	PN	
FSC Classrm/Auditorium	PN	

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

City	Distance (Miles)

page 31 of 45
 UIC 62849

16. Standard Rate VHA Data for Cost of Living:

Paygrade	With Dependents	Without Dependents
E1		
E2		
E3		
E4		
E5		
E6		
E7		
E8		
E9		
W1		
W2		
W3		
W4		
O1E		
O2E		
O3E		
O1		
O2		
O3		
O4		
O5		
O6		
O7		

page 32 of 45
 UIC 62849

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			
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)			

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

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)	

page 33 of 45
 UIC 62849

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)	
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

(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.

Month	Number of Bedrooms		
	2	3	4+
January			
February			
March			
April			
May			
June			
July			
August			
September			

page 34 of 45
 UIC 62849

October			
November			
December			

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

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

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)

page 35 of 45
 UIC 62849

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 t Cost per Student	1993 Avg SAT/ACT Score	% HS Grad to Higher Educ	Source of Info

page 36 of 45
 UIC C2849

(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	
	Day					
	Night					
	Day					
	Night					
	Day					
	Night					
	Day					
	Night					

page 37 of 45
 UIC 62849

(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	
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					

page 38 of 45
 UIC 62849

21. Spousal Employment Opportunities.

Provide the following data on spousal employment opportunities.

Skill Level	Number of Military Spouses Serviced by Family Service Center Spouse Employment Assistance			Local Community Unemployment Rate
	1991	1992	1993	
Professional				
Manufacturing				
Clerical				
Service				
Other				

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.

b. Do your military dependents 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.

23 Crime Rate. Complete the table below to indicate the crime rate for your air station 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)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
2. Blackmarket (6C)			
Base Personnel - military		N/A	
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
3. Counterfeiting (6G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
4. Postal (6L)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

page 40 of 45
 UIC 62849

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

page 41 of 45
UIC 62849

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

page 42 of 45
UIC 62849

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

page 43 of 45
UIC 62849

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

page 44 of 45
UIC 62849

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

page 45 of 45
UIC 62847

*Revised
page*

Activity: Naval Aviation Engineering Service Unit (NAESU)
UIC: 62849

DATA CALL 5, Question 23 (Clarification Requested by BSAT)

To clarify ambiguities in responses to the above question, please provide the CRIME RATES for your surrounding community or county/township/parish/city in these three categories:

Violent Crime Rate:	6,103.7
Property Crime Rate:	4,880.2
Drug Crime Rate:	* 618

*Based on the number of arrests

Disregard previous format in Question #23. This page replaces pages 38 through 43 in the previous submission.

Rates are based on City of Philadelphia population for 1993, at 1.6 million. The rate is per 100,000 population.

Source of Data: Phone conversation between Karen Deery (NAESU) and Chief George Criag of the Philadelphia Police Department on 12 September 1994.

TAB A
TECHNICAL OPERATIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

**TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM**

Technical Center Site	Naval Aviation Engineering Service Unit, Philadelphia, PA
Functional Support Area	1. Platforms 1.2 Aircraft
Life Cycle Work Area	Life Time Support 11. Maintenance

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. 499 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) 30,927

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) 67,305

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 86

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

TAB A

Page 1 of 2
UIC: 62849

(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
Page 2 of 2
UIC: 62849

TAB B
SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM

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

Technical Center Site	
Facility/Equipment Nomenclature or Title	

1. State the primary purpose(s) of the facility/equipment.
2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.
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.
4. Provide the gross weight and cube of the facility/equipment.
5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.
6. Indicate any special budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.).
7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).
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.
9. Indicate how and when the facility/equipment was transported and or constructed at the site.
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.

TAB B
Page 1 **of** 2
UIC: 62849

11. Provide the historical utilization average for the past five fiscal years (1989-1993). Define the unit of measure used.
12. Provide the projected utilization data out to FY1997.
13. What is the approximate number of personnel used to operate the facility/equipment?
14. What is the approximate number of personnel needed to maintain the equipment?
15. Provide one 8 1/2 x 11 black and white photo of the facility/equipment.

TAB B
Page 2 **of** 2
UIC: 62849

TAB C
RANGE RESOURCES
RANGE CAPABILITY FORM

**RANGE RESOURCES
RANGE CAPABILITY FORM**

Technical Center Site	
Range Nomenclature or Title	

1. List all the ranges that your activity maintains and operates. Provide the following information on each range:

- a. A brief statement of what the range is used for.
- b. Geographic location of the range.
- c. Distance from the range to the activity's headquarters facility (main site).
- d. Range size in square miles.
- e. Scheduling authority.
- f. Air space available/restrictions.
- g. Maximum water depth available/restrictions.
- h. Instrumentation capability.
- i. Accuracy of tracking.
- j. Data collection/replay capability.

k. What are the maximum hours per year that this range is available to support activities? Provide the actual hours that the range was up and capable of providing services. Do not count "down time" due to maintenance, reconfiguration, or administrative activities (i.e., Holiday shutdowns).

1. What were the actual hours this range was utilized per year for the last five years (FYs 1989-1993)?

TAB C
Page 1 of 2
UIC: 62849

- m. What were the actual hours that this range was utilized in FY1993?
 - n. Who are the customers of the range?
 - o. Of the actual hours utilized what percentage of utilization time was provided to which customers?
 - p. Provide a sketch, drawing or map of the range.
2. Are any of your ranges part of the DoD Major Range and Test Facility Base (MRTFB)? (yes/no) If yes, which ones?
3. Are there any limiting (current or future) environmental and/or encroachment characteristics that are associated with this range.

TAB C
Page 2 of 2
UIC: 62849

APPENDIX A

I. FUNCTIONAL SUPPORT AREAS

1. PLATFORMS

- 1.1 Undersea
- 1.2 Aircraft
- 1.3 Surface Ship
- 1.4 Space Satellites
- 1.5 Ground Vehicles

2. WEAPONS SYSTEMS

- 2.1 Gun Systems
- 2.2 Guided Missiles
- 2.3 Free Fall Weapons and Rockets
- 2.4 Torpedoes
- 2.5 Mines
- 2.6 Directed Energy Systems
- 2.7 Explosives
- 2.8 Launchers
- 2.9 Fire Control
- 2.10 Weapons Data Links
- 2.11 Weapons Fuzing
- 2.12 Weapons Propulsion
- 2.13 Other Ordnance
- 2.14 Explosive Ordnance Disposal

3. COMBAT SYSTEM INTEGRATION

- 3.1 Subsurface
- 3.2 Air
- 3.3 Surface
- 3.4 Multiplatform

4. SPECIAL OPERATIONS SUPPORT

- 4.1 Landing Force Equipment and Systems
- 4.2 Coastal/Special Warfare Support

5. SENSORS & SURVEILLANCE SYSTEMS

- 5.1 Sonar Systems
- 5.2 Radar Systems
- 5.3 Special Sensors
- 5.4 Space Sensor/Surveillance Systems
- 5.5 Ocean Surveillance

6. NAVIGATION

- 6.1 Submarine Navigation Systems
- 6.2 Aircraft Navigation Systems
- 6.3 Surface Ship Navigation Systems
- 6.4 Weapons Navigation Systems
- 6.5 Satellite Navigation Systems

7. COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE (C³I)

- 7.1 Submarine
- 7.2 Airborne
- 7.3 Shipboard
- 7.4 Land-Based
- 7.5 Space Communications Systems
- 7.6 Non-Tactical Data Systems
- 7.7 Air Traffic Control Systems
- 7.8 Intelligence Information Systems

8. DEFENSE SYSTEMS

- 8.1 Ballistic Missile Defense
- 8.2 Countermeasures (CM)
- 8.3 Electronic Warfare (EW) Systems

9. STRATEGIC PROGRAMS

- 9.1 Navy Strategic Systems
- 9.2 Nuclear Weapons and Effects

10. GENERAL MISSION SUPPORT

- 10.1 Personnel and Training
 - 10.1.1 Submarine-Related Training Systems
 - 10.1.2 Aircraft-Related Training Systems
 - 10.1.3 Surface Ship-Related Training Systems
 - 10.1.4 Weapons-Related Training Systems
 - 10.1.5 Human Resources Research and Development
- 10.2 Logistics Planning and Implementation
- 10.3 Facilities Engineering
- 10.4 Diving, Salvage and Ocean Engineering
- 10.5 Environmental Description, Prediction, and Effects
- 10.6 Crew Equipment and Life Support
 - 10.6.1 Submarine
 - 10.6.2 Aircraft
 - 10.6.3 Surface Ship
 - 10.6.4 Medical Research and Combat Casualty Care
 - 10.6.5 Clothing and Textiles
- 10.7 Major Range Development and Operation
- 10.8 Other Subsidiary Systems or Components
- 10.9 Activity Mission and Function Support

11. GENERIC TECHNOLOGY BASE. [Includes basic research and exploratory development (Budget Categories 6.1 & 6.2) projects that do not fit under the more warfare-focused functional support areas.]

- 11.1 Computers.
- 11.2 Software.
- 11.3 Communications Networking.
- 11.4 Electronic Devices.
- 11.5 Materials and Processes.
- 11.6 Energy Storage.
- 11.7 Propulsion and Energy Conversion.

- 11.8 Design Automation.
- 11.9 Human-System Interfaces.
- 11.10 Other Technology Base Programs.

II. LIFE-CYCLE WORK AREAS

RDT&E

- 1. BASIC RESEARCH
- 2. EXPLORATORY DEVELOPMENT
- 3. ADVANCED DEVELOPMENT
- 4. ENGINEERING AND MANUFACTURING DEVELOPMENT
- 5. RDT&E MANAGEMENT SUPPORT
- 6. OPERATIONAL SYSTEMS DEVELOPMENT

ACQUISITION

- 7. PRODUCTION
- 8. ACCEPTANCE TESTING
- 9. MODERNIZATION
- 10. PROGRAM SUPPORT

LIFE -TIME SUPPORT

- 11. MAINTENANCE
- 12. REPAIR
- 13. TESTING
- 14. IN-SERVICE ENGINEERING
- 15. PROGRAM SUPPORT
- 16. RETIREMENT

GENERAL

- 17. TRAINING/OPERATIONAL SUPPORT
- 18. SIMULATION, MODELING AND ANALYSIS

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS

1. PLATFORMS. Those self-propelled, boosted or towed conveyances used for the strategic and tactical deployment of forces, weapons, materials and supplies in support of naval warfare. Projects within this area are limited to those in which the principal objective is to provide technological wherewithal to develop Navy aerospace craft, ships, submarines, boats, and amphibians.

1.1 Undersea. Self-propelled, boosted, or towed conveyances for transporting a burden under the sea.

The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are submarines and other submersibles including their application as unmanned autonomous vehicles (UAV) and targets.

1.2 Aircraft. Self-propelled, boosted, or towed conveyances for transporting a burden through the air. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and control systems and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are all air vehicles including their application as UAVs and targets.

1.3 Surface Ship. Self-propelled, boosted, or towed conveyances for transporting a burden on land or sea. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are ships and craft including their application as UAVs and targets.

1.4 Space Satellites. A device or spacecraft in orbit. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, and control systems, inherent in its construction and operation.

1.5 Ground Vehicles. Self-propelled, boosted, or towed conveyances for transporting a burden on land. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems.

2. WEAPONS SYSTEMS. A system that provides the capability to defeat naval and military targets by destructive means. Included are counter-countermeasures and other design features to reduce the susceptibility of the weapon to counter actions, but excluded are those projects in which the principal objective is to counter a weapons system or those efforts to make a system (other than weapons) less vulnerable to enemy weapons.

2.1 Gun Systems. Ordnance which fires projectiles; includes related ammunition (guided projectiles are included in "guided missiles". Included are gun systems aboard aircraft and ships, and gun systems used by personnel.

2.2 Guided Missiles. Weapons, either self-propelled, (i.e., reaction launched) or impulse driven (i.e., gun/tube impulse launched) capable of homing on, or following a beam or command signals through the air to a target (includes guided projectiles). Included are missiles that are launched by submarine, aircraft, and ship.

2.3 Free Fall Weapons and Rockets. Free fall weapons are those air-delivered weapons, including components and subsystems, which follow a ballistic trajectory after gravity launch without any guidance other than that from the initial orientation and velocity of the launching aircraft. A rocket is a self-propelled airborne vehicle whose trajectory or course, while in flight, cannot be controlled.

2.4 Torpedoes. Self-propelled, guided or unguided underwater weapons. Included are torpedoes launched by submarine, aircraft, and ship.

2.5 Mines. Self-activating standoff or contact explosive devices that are designed to destroy or damage ground vehicles, boats, ships, or aircraft, or designed to wound, kill, or otherwise incapacitate personnel.

2.6 Directed Energy Systems. Devices and techniques for generating and focusing high-intensity beams of electromagnetic energy or charged particles upon targets with lethal effects.

2.7 Explosives. Metastable compounds which can rapidly release large quantities of energy mostly in the form of hot, high-pressure gases. Explosives are used in naval munitions such as mines, torpedoes, missiles, etc., and also in other Navy products such as aircraft escape systems, fuse trains, etc.

2.8 Launchers. That group of devices, components, or subsystems needed to support, hold, and launch expendable weapons, countermeasure devices, or other stores; the control systems for managing these systems and the stores they carry.

2.9 Fire Control. Those platform-based systems which provide data for and/or control the launch platform/weapon/weapon-target interaction in all phases required by a weapons system (e.g., acquisition, track, commit-to-fire-pre-launch, post-launch, mid-course, terminal intercept, and assessment). Included are systems that are based undersea, aboard aircraft, shipboard, and on land.

2.10 Weapons Data Links. Efforts include the data links that are part of the weapon's command, control and communications systems.

2.11 Weapons Fuzing. Efforts leading to the design of systems to sense a target or the result of other prescribed conditions such as time, barometric pressure, command, etc., and initiate a train of fire. Safing and arming are primary functions performed by a fuse to preclude initiation of the ammunition before the desired position or time.

2.12 Weapons Propulsion. Included are propellants, subsystems and systems that comprise the means by which a weapons system moves through the air or sea.

2.13 Other Ordnance. Includes efforts that do not fit in the above categories (e.g., pyrotechnics, gas generators, CAD/PAD/AEPS).

2.14 Explosive Ordnance Disposal. Efforts relating to the technical support of explosive ordnance disposal technology and training.

3. COMBAT SYSTEM INTEGRATION. That effort required to introduce a new system into the operating forces. It involves the integration and evaluation of a new hardware or software subsystem installed in a Navy platform. It includes the mating, installation, and operational support of the resulting higher level system to

ensure optimum operating performance.

3.1 Subsurface. The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into undersea platforms.

3.2 Air. The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into air platforms.

3.3 Surface. The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into surface platforms.

3.4 Multiplatform. The integration of multiplatform hardware and software subsystems to make up a higher level system, including the mating, installation, and operational support (including training systems) of this higher level system.

4. SPECIAL OPERATIONS SUPPORT. Those efforts which are in support of amphibious landing, Marine Corps operations, special warfare and other unique operations. It includes weapons, countermeasures, surveillance and a command support which are developed specifically for the projection of forces ashore and that do not have an application by the Navy general forces in the role of sea control.

4.1 Landing Force Equipment and Systems. Involved is that RDT&E effort which is not functionally a part of the amphibious platform. Specifically, this includes reconnaissance of amphibious objective areas, environmental support of amphibious operations, amphibious logistics and the integration of the amphibious and Marine Corps systems required to land amphibious forces on a hostile shore and establish a beachhead. (Contingency facilities in support of forces ashore are included in "facilities".)

4.2 Coastal/Special Warfare Support. Techniques and systems required to defend coastal, inshore and harbor facilities as well as those needed to conduct operations such as reconnaissance, deception, coastal or offshore interdiction and assault, counterinsurgency, intelligence gathering, remote sensor operation and waterborne intrusion detection. Special warfare systems include systems, techniques, and concepts utilized by specifically cross-trained personnel in unconventional warfare and coastal/riverine operations.

5. SENSORS & SURVEILLANCE SYSTEMS. Those systems used to systematically observe air, space, surface and subsurface areas to detect, classify, localize and identify real or potential military targets. Excluded are those projects in which the principal objective is navigation, weapon fire control or broadbased investigation of the properties of the media or the propagation of energy therein.

5.1 Sonar Systems. Those sonar systems and devices used to conduct search, reconnaissance, and surveillance operations to detect, classify, locate, and/or track targets. Included are those systems and devices that are mobile aboard undersea, air, and surface platforms, and those that are fixed.

5.2 Radar Systems. Those radar systems and devices used to conduct search, reconnaissance, or surveillance operations to detect, classify, locate, and/or track targets. Included are those systems and devices that are mobile aboard undersea, air, and surface platforms, and those that are fixed.

5.3 Special Sensors. Those systems and devices which utilize unique phenomena or methods or

combinations of methods to conduct search, reconnaissance, or surveillance operations to detect, classify, locate, and/or track targets. Included are active sensors, passive sensors (e.g., thermal imagers, low light level TV, and infrared search and track systems), and the associated signal and image processing.

5.4 Space Sensor/Surveillance Systems. Those devices and systems in Earth orbit that are used to conduct search, reconnaissance, or surveillance operations to detect, classify, locate and/or track targets.

5.5 Ocean Surveillance. Systems and equipment for systematic observation of ocean areas for identification and localization of ships, submarines, and aircraft from fixed and mobile platforms including operational software development, and integration of multi-sensor, coordinated detection data and its display at appropriate sites.

6. NAVIGATION. Those systems which utilize electromagnetic, acoustic, or inertial means to guide or navigate surface, subsurface, or aerospace platforms. Included are those systems deployed aboard submarines, aircraft, surface ships and satellites, as well as those used in weapons systems.

6.1 Submarine Navigation Systems. Navigation systems deployed aboard submarines, or other undersea vehicles.

6.2 Aircraft Navigation Systems. Navigation systems deployed aboard aircraft.

6.3 Surface Ship Navigation Systems. Navigation systems deployed aboard surface ships.

6.4 Weapons Navigation Systems. Navigation systems installed within weapon systems, such as guided missiles.

6.5 Satellite Navigation Systems. Navigation systems deployed aboard satellites.

7. COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE (C³I). The acquisition, processing and dissemination of information required to plan, direct, and control operations. Included are those projects in command and control, communications and intelligence. Excluded are surveillance systems, and guidance and control of vehicles and weapons. These C³ systems may be internal or external to submarine, airborne, surface, and land-based platforms.

7.1 Submarine. C³ systems deployed aboard submarines, or other undersea vehicles.

7.2 Airborne. C³ systems deployed aboard aircraft.

7.3 Shipboard. C³ systems deployed aboard surface ships.

7.4 Land-Based. C³ systems deployed at shore facilities.

7.5 Space Communications. Communications systems in Earth orbit used to convey information.

7.6 Non-Tactical Data Systems. Data systems utilized aboard the Navy's operating forces and at shore sites that support ship, submarine and aircraft maintenance, configuration and asset management, supply, inventory, finance, medical, dental, manpower management, administration, food services (ship's mess), and resale operations (ship's stores).

7.7 Air Traffic Control Systems. Systems used to promote the safe, orderly, and expeditious

movement of air traffic.

7.8 Intelligence Information Systems. The systems necessary to conduct the naval warfare task of intelligence. This task involves the assessment and management of information obtained via surveillance, reconnaissance, and other means to produce timely indications and warning, location, identification, intentions, technical capabilities, and tactics of potential enemies and other countries of interest.

8. DEFENSE SYSTEMS. Those systems that are principally designed to defeat a particular weapon system; those systems that are designed to reduce the effectiveness of an enemy's surveillance, communications, navigation and command and control; as well as those efforts directed toward gathering information on the emissions of enemy systems. It does not include those projects in which the principal objective is to incorporate design features in vehicles, surveillance, communication, navigation and other support systems which reduce their vulnerability to enemy action. It also does not include chemical/biological defense for personnel.

8.1 Ballistic Missile Defense. Systems designed to protect civilian population centers, military forces, and territory from ballistic missile attack.

8.2 Countermeasures (CM). Those systems that are principally designed to defeat a particular weapon system; reduce the effectiveness of an enemy's surveillance, communications, navigation and command and control; as well as gather information on the emissions of enemy systems. Included are those projects to develop systems deployed aboard submarine, aircraft, and surface ship, and those for countering enemy mine warfare through the destruction or neutralization of minefields.

8.3 Electronic Warfare (EW) Systems. Those systems, techniques, and devices utilized to determine, exploit, reduce, or prevent hostile use of the electromagnetic spectrum. Included are those projects to develop systems deployed aboard submarine, aircraft, and surface ship, as well as those to develop EW simulators.

9. STRATEGIC PROGRAMS. Programs conducted to support the deployment and use of the Navy's strategic deterrence force, as well as those programs conducted on nuclear weapons and effects.

9.1 Navy Strategic Systems. Those ships and weapon systems, subsystems, devices, techniques, trainers and facilities required specifically for the deployment and use of the Navy's strategic deterrence force.

9.2 Nuclear Weapons and Effects. Nuclear weapons effects and countermeasures, including thermal and nuclear radiation effects and the hardening of components and of weapons systems both nuclear and non-nuclear.

10. GENERAL MISSION SUPPORT. Those major areas of support required by Navy general forces that are not included under platforms, weapons systems, combat system integration, special operations support, sensors and surveillance systems, navigation, C³I, defense systems, strategic programs, and technology base programs.

10.1 Personnel and Training. Human resources research and development for the areas of manpower, personnel, education, and training and its support and service functions for human factors effort in system design, development and acquisition. Included are those systems related to submarine, aircraft, surface ship and weapons training, as well as human resources research.

10.1.1 Submarine-Related Training Systems

10.1.2 Aircraft-Related Training Systems

10.1.3 Surface Ship-Related Training Systems

10.1.4 Weapons-Related Training Systems

10.1.5 Human Resources Research and Development

10.2 *Logistics Planning and Implementation.* Projects for those aspects of military operations which deal with the movement, maintenance, supply, and support of Naval forces afloat and ashore, including underway replenishment, warehousing and mobile logistics maintenance and repair activities; material acquisition, control, handling, distribution and disposal processes; and logistics planning, control, and information processing functions.

10.3 *Facilities Engineering.* Products for (a) ocean facilities including the siting, design, construction/implant, and maintenance of facilities attached to the sea floor such as cable structures, pipelines, communications/power cables and Fleet moorings; (b) contingency facilities and equipment to support Navy and Marine Corps forces ashore in amphibious objective areas and at advanced naval bases; (c) permanent shore facilities such as buildings, piers, drydocks, airfields, POL and weapons storage, and utilities; (d) energy systems ashore including conservation, synthetic fuels, energy self-sufficiency; and (e) environmental protection systems ashore such as industrial wastewater treatment plants, air and noise pollution control devices, and solid waste management systems.

10.4 *Diving, Salvage and Ocean Engineering.* Those support systems and equipment that are required by the Navy in the performance of ocean bottom search, diving, rescue, recovery, salvage operations, and siting, design, construction/implantment, inspection, maintenance and recovery of underwater facilities and associated systems.

10.5 *Environmental Description, Prediction, and Effects.* The study, modeling, and simulation of atmospheric, oceanic, terrestrial, and space environmental effects, both natural and man-made, including the interaction of a weapon system with its operating medium and man-produced phenomena such as obscurants found on the battlefield.

10.6 *Crew Equipment and Life Support.* Techniques, equipment and devices to provide protection for and support of Navy operating personnel, including chemical/biological defense. Included are systems aboard submarines, aircraft, and surface ships, as well as medical research and combat casualty care, and clothing and textiles.

10.6.1 Submarine

10.6.2 Aircraft

10.6.3 Surface Ship

10.6.4 Medical Research and Combat Casualty Care

10.6.5 Clothing and Textiles

10.7 *Major Range Development and Operation.* The design, equipping, and operation of ranges offering diverse and accurate measurement and reconstruction capabilities to establish performance profile data on newly designed, as well as existing, naval vehicles and systems operating in a realistic environment.

10.8 *Other Subsidiary Systems or Components.* Subsidiary systems or components that do not fit within the above product areas (e.g., batteries).

10.9 *Activity Mission and Function Support.* Efforts that clearly support the Activity's responsibilities but which cannot be uniquely assigned to a specific functional area.

11. GENERIC TECHNOLOGY BASE. Includes basic research and exploratory development (Budget Categories 6.1 & 6.2) projects that do not fit under the more warfare-focused functional support areas. These areas include computers, software, communications networking, electronic devices, materials and processes, energy storage, propulsion and energy conversion, design automation, human-system interfaces, and other technology base areas.

11.1 *Computers.* High performance computing systems (and their software operating systems) providing orders-of-magnitude improvements in computational and communications capabilities as a result of improvements in hardware, architectural designs, networking, and computational methods.

11.2 *Software.* The tools and techniques that facilitate the timely generation, maintenance, and enhancement of affordable and reliable applications software, including software for distributed systems, data base software, artificial intelligence, and neural nets.

11.3 *Communications Networking.* The timely, reliable, and secure production and worldwide dissemination of information, using shared communications media and common hardware and applications software from originators to DoD consumers, in support of joint-Service mission planning, simulation, rehearsal, and execution.

11.4 *Electronic Devices.* Ultra-small (nanoscale) electronic and optoelectronic devices, combined with electronic packaging and photonics, for high speed computers, data storage modules, communications systems, advanced sensors, signal processing, radar, imaging systems, and automatic control.

11.5 *Materials and Processes.* Development of man-made materials (e.g., composites, electronic and photonic materials, smart materials) for improved structures, higher temperature engines, signature reduction, and electronics, and the synthesis and processing required for their application.

11.6 *Energy Storage.* The safe, compact storage of electrical or chemical energy, including energetic materials for military systems.

11.7 *Propulsion and Energy Conversion.* The efficient conversion of stored energy into usable forms, as in fuel efficient aircraft turbine engines and hypersonic systems.

11.8 *Design Automation.* Computer-aided design, concurrent engineering, simulation, and modeling; including the computational aspects of fluid dynamics, electromagnetics, advanced structures, structural dynamics, and other automated design processes.

11.9 *Human-System Interfaces.* The machine integration and interpretation of data and its presentation in a form convenient to the human operator; displays; human intelligence emulated in computational devices; and simulation and synthetic environments.

11.10 *Other Technology Base Programs.* All technology base programs (Budget Categories 6.1 and 6.2 only) that do not fit into the above warfare-focused functional support areas (#1 - #10), or within the above generic technology base areas (#11.1 - #11.9).

II. LIFE-CYCLE WORK AREA DEFINITIONS

RDT&E

1. **BASIC RESEARCH.** (Budget Category 6.1 only) This area includes scientific study and experimentation to increase knowledge and understanding in the physical, engineering, environmental and life sciences related to long-term national security needs.
2. **EXPLORATORY DEVELOPMENT.** (Budget Category 6.2 only) This area includes efforts to solve specific military problems, short of major development. Exploratory development may vary from fairly fundamental applied research to sophisticated breadboard hardware, study programming and planning efforts.
3. **ADVANCED DEVELOPMENT.** (Budget Category 6.3 only) This area includes efforts on projects which have moved into the development of hardware for test. The prime objective is proof of design concept rather than the development of hardware for service use.
4. **ENGINEERING AND MANUFACTURING DEVELOPMENT.** (Budget Category 6.4 only) This area includes programs in full scale development, but which have not received approval for production or had production funds included in the DoD budget submission for the budget or subsequent fiscal year.
5. **RDT&E MANAGEMENT SUPPORT.** (Budget Category 6.5 only) This area includes support of installations or operations required for general research and development use. Included would be test ranges, military construction, maintenance support of laboratories, operations and maintenance of test aircraft and ships, and studies and analyses in support of the R&D program.
6. **OPERATIONAL SYSTEMS DEVELOPMENT.** (Budget Category 6.6 only) This area includes projects still in full-scale development, but which have received approval for production through Defense Acquisition Board or other action, or for which production funds have been included in the DoD budget submission for the budget or subsequent fiscal year. All work in this area is identified by major line item projects that appear as "RDT&E Costs of Weapon System Elements" in other programs.

ACQUISITION

7. **PRODUCTION.** During this phase, the system, including training equipment, spares, etc., is produced for operational use.
8. **ACCEPTANCE TESTING.** This phase involves the test and evaluation of production items to demonstrate that the items procured fulfill the requirements and specifications of the procuring contract on agreement
9. **MODERNIZATION.** This phase of the work involves the modification, upgrade, or improvement of a system or subsystem.
10. **PROGRAM SUPPORT.** This phase involves all work not fully under the category of production (#7), acceptance testing (#8), or modernization (#9), that occurs during the acquisition of new systems or subsystems.

LIFE-TIME SUPPORT

11. **MAINTENANCE.** This phase of work involves the maintenance of systems and subsystems.
12. **REPAIR.** This phase of work involves the repair of systems or subsystems.
13. **TESTING.** This phase is typically funded from Budget Category 6.5 or procurement program elements. Work in this area supports developmental and/or operational testing and focuses on the evaluation of system safety, technical performance, environmental (climatic, electromagnetic, etc.) effects, sustainability and operational suitability, maturity of production processes, and compliance with the specifications and quality standards.
14. **IN-SERVICE ENGINEERING.** This phase is typically funded from Budget Category 6.6 or operations and maintenance (O&M) program elements. In-service engineering tends to focus on system peculiar capabilities in order to conduct check-out of the system and/or subsystem after they have undergone a modification, upgrade or improvement.
15. **PROGRAM SUPPORT.** This phase involves all work not falling under the categories of maintenance (#11), repair (#12), testing (#13), in-service engineering (#14) and retirement (#16) that occur during the life-time support of new systems and/or subsystems.
16. **RETIREMENT.** This phase includes the retirement and disposal of obsolete systems and/or subsystems.

GENERAL

17. **TRAINING/OPERATIONAL SUPPORT.** Efforts in this area, involve the training of operational forces in the use of new techniques, equipment and systems, tactics or doctrine. Training and operational support is typically funded from O&M program elements.
18. **SIMULATION, MODELING AND ANALYSIS.** This phase of work provides a simulated test environment or representation of systems, components and platforms. This work can be carried out throughout the development and test process as analytical tools, as well as tools to drive or control electronic and other environmental stimuli.

FOR OFFICIAL USE ONLY - BRAC '95 WORKING PAPERS

REQUESTS FOR CLARIFICATION

From the Base Structure Analysis Team (BSAT)

Control #: 020
To: NAVAIRSYSCOM, CAPT COOK

Activity: NAESU, PHILADELPHIA

Date sent: 1 Nov 94

Fax: (703)604-1859

Voice: (703) 604-1857

CLARIFICATION/CORRECTION REQUESTED for Data Call #5, Tab A, Quesion #1:

Please review the entry of 499 work years.

The amount of work years does not appear to be consistent with the number of personnel onboard the activity.


Maj W. A. Cone, USMC
(703) 681-0477

NOTE: This information is needed urgently. Request you respond with clarification comments (below) or corrected page(s) witin 24 hours after receipt at the activity. FAX a preliminary response directly to the BSAT at (703) 756-2174. Then, send your official response, properly certified, through your chain of command for certification and further forwarding to the BSAT. Official documentation must be retained to support your response and be available for validation by the Naval Audit Service.

Reply: All 499 work years were performed at NAESU field locations, not at NAESU HO in Philadelphia. The Window for Tab A is FY-93. As of 31 March 1994, 20 technical civilian personnel onboard were at NAESU HO and 510 technical civilian personnel on board were at NAESU field locations. (See pages 4 & 5, Tables 4.1 and 4.2.) The NAESU HO facility primarily provides administrative support to the field locations which in turn carry out the mission stated on page 1 per NAVAIRINST 5451.36D.


Name

AIR-09B3
Code

703-604-1857
Commercial Phone#

2 Nov 94
Date

FOR OFFICIAL USE ONLY - BRAC '95 WORKING PAPERS

159

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.

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

W.C. BOWES, VADM USN _____ NAME (Please type or print)	 _____ Signature
COMMANDER _____ Title	3 Nov 92 _____ Date
NAVAL AIR SYSTEMS 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)	 _____ Signature
_____ Title	11/7/94 _____ 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

W.C. BOWES, VADM USN

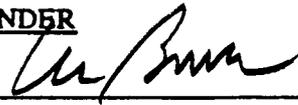
NAME (Please type or print)

COMMANDER

Title

NAVAL AIR SYSTEMS COMMAND

Activity


Signature

3 Nov 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

J. D. VAN SICKLE
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title
NAVAL AVIATION ENGINEERING
SERVICE UNIT
Activity

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)

WILLIAM J. TINSTON, JR. RADM USN

NAME (Please type or print)

ASSISTANT COMMANDER FOR LOGISTICS AND FLEET SUPPORT

Title

NAVAL AIR SYSTEMS COMMAND

(AIR-04)

Activity

Signature

Date

William J. Tinston Jr.
16 Sept 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)

~~COMMANDER~~

Title

~~NAVAL AIR SYSTEMS COMMAND~~

~~(AIR-00)~~

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

W.C. BOWES, VADM USN

NAME (Please type or print)

COMMANDER

Title

NAVAL AIR SYSTEMS COMMAND

Activity

Signature

Date

W.C. Bowes
19 Sept 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)

W. A. EARNER

NAME (Please type or print)

Title

Signature

Date

W. A. Earner
9/26/94

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

J. D. VAN SICKLE
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title
NAVAL AVIATION ENGINEERING
SERVICE UNIT
Activity

9-14-94
Date

159

**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

Activity Name:	Naval Aviation Engineering Service Unit
UIC:	N62849
Host Activity Name (if response is for a tenant activity):	Naval Aviation Supply Office, Phila.
Host Activity UIC:	N00383

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

**DATA CALL 66
INSTALLATION RESOURCES**

lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: Naval Aviation Engineering Service Unit		UIC: N62849	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	0	0	0
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	0	0	0
2. Other Base Operating Support Costs:			
2a. Utilities	187	0	187
2b. Transportation	9	0	9
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	0	0	0
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	0	0
2j. Other (Specify) CONTRACTS	192	0	192
2k. Sub-total 2a. through 2j:	388	0	388
3. Grand Total (sum of 1c. and 2k.):	388	0	388

**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:

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

One appropriation only.

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**

NOT APPLICABLE

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: Naval Aviation Engineering Service Unit		UIC: N62849	
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)			
1c. 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			
4. Grand Total (sum of 1c., 2m., and 3.) :			

**DATA CALL 66
INSTALLATION RESOURCES**

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: Naval Aviation Engineering Service Unit	UIC: N62849
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	2,466
Material and Supplies (including equipment):	0
Industrial Fund Purchases (other DBOF purchases):	0
Transportation:	590
Other Purchases (Contract support, etc.):	*20,715
Total:	23,771

*\$19,435k is for 163 workyears of Contractor Engineering Technical Services - none of these workyears are performed on the base where NAESU HQ is located.

**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.

NOT APPLICABLE

Table 3 - Contract Workyears	
Activity Name: Naval Aviation Engineering Service Unit	UIC: N62849
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	

* **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)):

NOT APPLICABLE

2) Estimated number of workyears which would be eliminated:

NOT APPLICABLE

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):

NOT APPLICABLE

**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):

NOT APPLICABLE

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

NOT APPLICABLE

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

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

NEXT ECHELON LEVEL (if applicable)

WILLIAM J. TINSTON, JR RADM USN

NAME (Please type or print)

ASSISTANT COMMANDER FOR LOGISTICS AND FLEET SUPPORT

Title

NAVAL AIR SYSTEMS COMMAND

(AIR-04)

Activity

Signature

Date

[Handwritten Signature]
7/22/94

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)

~~COMMANDER~~

Title

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
NAVAL AIR SYSTEMS COMMAND~~

~~(AIR-00)~~

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

W. C. BOWES, VADM USN

NAME (Please type or print)

COMMANDER

Title

NAVAL AIR SYSTEMS COMMAND

Activity

Signature

Date

[Handwritten Signature]
22/94

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]
15 AUG 1994

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

J. D. VAN SICKLE
NAME (Please type or print)

J. D. Van Sickle
Signature

COMMANDING OFFICER
Title
NAVAL AVIATION ENGINEERING
SERVICE UNIT
Activity

7-12-94
Date