

**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	<i>Naval Health Research Center, San Diego, CA</i>
Acronym(s) used in correspondence	<i>NAVHLTHRSCHCEN</i>
Commonly accepted short title(s)	<i>NHRC</i>

- Complete Mailing Address

Naval Health Research Center  
 P. O. Box 85122  
 San Diego, CA 92186-5122

- PLAD  
 NAVHLTHRSCHCEN SAN DIEGO CA

• PRIMARY UIC: 63116 (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): N/A PURPOSE: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_

2. 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  (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  No  (check one)

• Primary Host (current) UIC: 66001

• Primary Host (as of 01 Oct 1995) UIC: 66001

• Primary Host (as of 01 Oct 2001) UIC: 66001

• **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  (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
N/A				

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.

NAVHLTHRSCHCEN was affected by BRAC-93. With closure of the Naval Training Center, San Diego, BRAC-93 included a MILCON for relocation of our Psychophysiology Laboratory at Fleet Combat Training Center, Pacific on Pt. Loma. Completion of MILCON is expected in FY96. MILCON is funded at \$680K and \$629K for relocation of equipment.

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

- Medical Operations Research:  
Provide medical managers and planners the tools and information to project the requirements for beds, medical personnel, and supplies for theater-specific military operations.
- Operational Epidemiology:  
Provide comprehensive, health-related information which predicts disease and injury and develop the interventions that can be used to maintain force readiness.
- Medical and Performance Modeling:  
Model the impact of illnesses, injuries, or physiological factors on mission capabilities.
- Operational Performance Assessment and Enhancement (Special Operations)  
Develop biomedical aids and countermeasures to enhance critical task performance in projected operational environments.
- Medical Informatics:  
Application of computer technology to medical practices to expedite the capture and retrieval of medical information, develop expert systems for decision support, and enhance communication capabilities to provide mentoring and telemedicine support.
- \* Health Promotion:  
Describe the relationship between life-style factors and force readiness, and evaluate military programs designed to modify behaviors which will increase force readiness and decrease health-care costs.
- \* Readiness Standards:  
Determination of physical, behavioral, and cognitive profiles that predict optimal performance of military jobs.
- \* Effects of SUSOPS/CONOPS:  
Investigate the effects of sleep deprivation, circadian rhythms, and environmental stressors on physiology and behavior during sustained operations (SUSOPS)/continuous operations (CONOPS).

### Projected Missions for FY 2001

NHRC will build upon its current missions which will evolve into the following:

- **Product Evaluation and Transition:**  
Provide the facility, expertise, and experienced personnel essential to effect thorough evaluations and credible transitions of medical interventions and R&D products specific to Navy and Marine Corps personnel operating in maritime and littoral environments.
- **Medical Readiness Assessment:**  
Refine and develop comprehensive and robust measures to assess and assist the medical readiness of Navy and Marine Corps Forces to perform combat and humanitarian operations.
- **Human Performance Management:**  
Devise methods for obtaining peak performance during critical operational periods and extending human capacity and vigilance during combat operations.
- **Operational Epidemiology Interventions:**  
Conduct the monitoring needed to determine the amount and type of illness and injuries within military populations and to design and implement intervention strategies for reducing mortality and morbidity.
- **Medical System Optimization:**  
Develop methods and models to optimize the configuration of personnel, facilities, equipment, supplies, and communications for the promotion of health provision of medical care.

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

- **Medical Operations Research:**  
Medical Operations Research is a program developed at NHRC which provides medical planners with information and models generally not available in any other medical research facility in or outside the government.
- **Operational Epidemiology:**  
Operational Epidemiology provides the unique capability to assess illness rates within Navy and Marine Corps by accessing "DoD unique" in-house databases, e.g, HIV Central Registry, Navy and Marine Corps hospitalization records, historical ship movement employment files, etc, for the past 25 years. NHRC's location in San Diego gives unique access to the Pacific Fleet, Marine Corps populations, shore based military facilities, and viable access/interactions with local civilian academic and scientific communities.
- \* **Effects of SUSOPS/CONOPS:**  
A unique element of this mission is the development of alertness monitoring of Navy and U.S. Marine Corps unique systems.
- \* **Medical and Performance Modeling:**  
Modeling of effects of operational environments on human cognitive and physical performance is unique to DoD.

#### Projected Unique Missions for FY 2001

- **Product Evaluation and Transition:**  
NHRC is uniquely positioned to evaluate and transition medical R&D products, due to its proximity to Navy shore, surface, submarine, air, Special Operations, medical, and Marine Corps elements. Furthermore, current and past research at these facilities has earned NHRC a credibility with the fleet needed to achieve the cooperation for successful field test and evaluation and acceptance of final products. Downsizing will result in NHRC being the only remaining medical R&D facility strategically positioned with all branches of the Navy and USMC operational forces.

- **Medical Readiness Assessment:**  
Development of relevant measures of effectiveness requires the unique combination of knowledge and expertise of NHRC. NHRC personnel have both the knowledge and understanding of military medical requirements and operations, and expertise in medical research methodology.
  
- **Medical Monitoring and Interventions:**  
NHRC is the only agency where medical records are routinely combined with personnel data and ship movement data so that illness rates for Navy and Marine Corps populations can be determined.
  
- **Human Performance Management:**  
NHRC's unique human performance models improve the efficiency of human performance research programs by allowing investigators to focus their follow-on studies in areas where knowledge gaps exist.
  
- \* **Medical System Optimization:**  
With the down sizing of military forces, the introduction of new equipment and information technology, and the change in military threat, tools will be needed to evaluate the impact of new combinations of the above factors on clinical outcomes.

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 Medical Research and Development Command</u>	<u>00075</u>
• Funding Source	UIC
<u>Same</u>	<u>                    </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)
• Reporting Command	<u>14</u>	<u>12</u>	<u>58</u>
• Tenants (total)	<del>14</del>	<del>12</del>	<del>58</del>

MEB-826  
CSA  
6/27/94

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>12</u>	<u>7 10</u>	<u>61</u>
• Tenants (total)	<del>12</del>	<del>7</del>	<del>61</del>

MEB-835  
CSA  
6/27/94

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>CO CAPT Larry M. Dean</u>	(619) 553-8429	(619) 553-9389	(619) 226-0328 ex 6138
• Duty Officer N/A			[ N/A ]
•			
<u>XO CAPT Thomas J. Contreras</u>	(619) 553-8420	(619) 553-9389	(619) 672-1735
•			
_____			

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.)

**N/A NAVHLTHRSCHCEN is a tentant command.**

- Tenants residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian

- Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian

- 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

- Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian

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

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
<i>N/A NHRC is a Tenant Command</i>		

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

- Local Area Map. This map should encompass, at a minimum, a 50 mile radius of your activity. Indicate the name and location of all DoD activities within this area, whether or not you support that activity. Map should also provide the geographical relationship to the major civilian communities within this radius. (Provide 12 copies.)
- Installation Map / Activity Map / Base Map / General Development Map / Site Map. Provide the most current map of your activity, clearly showing all the land under ownership/control of your activity, whether owned or leased. Include all outlying areas, special areas, and housing. Indicate date of last update. Map should show all structures (numbered with a legend, if available) and all significant restrictive use areas/zones that encumber further development such as HERO, HERP, HERF, ESQD arcs, agricultural/forestry programs, environmental restrictions (e.g., endangered species). (Provide in two sizes: 36"x 42" (2 copies, if available); and 11"x 17" (12 copies).)
- Aerial photo(s). Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8½"x 11".)
- Air Installations Compatible Use Zones (AICUZ) Map. (Provide 12 copies.)

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

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

23 Jun 1994  
Date

Naval Health Research Center  
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.

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

D. F. HAGEN, VADM, MC, USN

NAME (Please type or print)

Signature

CHIEF BUMED/SURGEON GENERAL

Title

Date

BUREAU OF MEDICINE & SURGERY

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)  
ACTING

Signature

Title

Date

*D. F. Hagen*  
6-30-94

*J. B. Greene, Jr.*  
06 JUL 1994

DATA CALL 66  
INSTALLATION RESOURCES

182

**Activity Information:**

Activity Name:	Naval Health Research Center
UIC:	63116
Host Activity Name (if response is for a tenant activity):	Naval Command, Control and Ocean Surveillance Center, RDT+E Division, San Diego
Host Activity UIC:	66001

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

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

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

**DATA CALL 66  
INSTALLATION RESOURCES**

<b>Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)</b>			
<b>Activity Name:NAVHLTHRSCHCEN</b>			<b>UIC:63116</b>
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
<b>1. Real Property Maintenance Costs:</b>			
1a. Maintenance and Repair	100	0	100
1b. Minor Construction	142.6	0	142.6
<b>1c. Sub-total 1a. and 1b.</b>	242.6		242.6
<b>2. Other Base Operating Support Costs:</b>			
2a. Utilities	80	0	80
2b. Transportation	10	33.2	43.2
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	6	0	0
2i. Administration	510.	1369.8	1879.8
2j. Other (Specify) Telephones	165	0	165.0
<b>2k. Sub-total 2a. through 2j:</b>	765.0	1403.0	2168.0
<b>3. Grand Total (sum of 1c. and 2k.):</b>	1007.6	1403.0	2410.6

**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>
----------------------	-----------------------

N/A

**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**

<b>Table 1B - Base Operating Support Costs (DBOF Overhead)</b>			
<b>Activity Name: N/A</b>		<b>UIC:</b>	
<b>Category</b>	<b>FY 1996 Net Cost From UC/FUND-4 (\$000)</b>		
	<b>Non-Labor</b>	<b>Labor</b>	<b>Total</b>
<b>1. Real Property Maintenance Costs:</b>			
1a. Real Property Maintenance (>\$15K)			
1b. Real Property Maintenance (<\$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
<b>1c. Sub-total 1a. through 1d.</b>			
<b>2. Other Base Operating Support Costs:</b>			
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)			
<b>2m. Sub-total 2a. through 2l:</b>			
<b>3. Depreciation</b>			
<b>4. Grand Total (sum of 1c., 2m., and 3.) :</b>			

**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.

<b>Table 2 - Services/Supplies Cost Data</b>	
<b>Activity Name:</b>	<b>UIC:</b>
<b>Cost Category</b>	<b>FY 1996 Projected Costs (\$000)</b>
<b>Travel:</b>	350
<b>Material and Supplies (including equipment):</b>	1419
<b>Industrial Fund Purchases (other DBOF purchases):</b>	701
<b>Transportation:</b>	10
<b>Other Purchases (Contract support, etc.):</b>	4675
<b>Total:</b>	7155

**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.

<b>Table 3 - Contract Workyears</b>	
<b>Activity Name:</b>	<b>UIC:</b>
<b>Contract Type</b>	<b>FY 1996 Estimated Number of Workyears On-Base</b>
Construction:	0
Facilities Support:	0
Mission Support:	70
Procurement:	0
Other:*	0
<b>Total Workyears:</b>	<b>70</b>

\* **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)): 70

2) Estimated number of workyears which would be eliminated:

0

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

0

**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**): No

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

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

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."

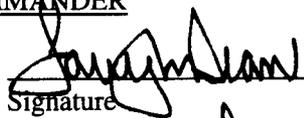
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

15 Jul 94  
Date

Naval Health Research Center  
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.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

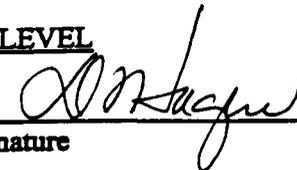
\_\_\_\_\_  
Activity

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

MAJOR CLAIMANT LEVEL

D. F. HAGEN, VADM, MC, USN

\_\_\_\_\_  
NAME (Please type or print)

x   
Signature

CHIEF BUMED/SURGEON GENERAL

7-25-94

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

BUREAU OF MEDICINE & SURGERY

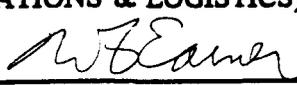
\_\_\_\_\_  
Activity

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

04 AUG 1994  
Date

## MILITARY VALUE DATA CALL

### TECHNICAL CENTERS

<b>Category</b>	<b>10.6.4 1-3</b>
<b>Technical Center Site</b>	<b>NAVHLTHRSCHCEN</b>
<b>Location/Address</b>	<b>P. O. Box 85122 San Diego, CA 92186- 5122</b>

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

12. Military Housing	17
13. MWR Facilities	26
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 support fleet operational readiness through research, development, test and evaluation on the biomedical, psychological, and physiological aspects of Navy and Marine Corps personnel health and performance; and to perform such other functions or tasks as may be directed by higher authority. NAVMEDCOMINST 5450.10 and 5450.1M**

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

**None.**

## 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.

**#10.6.4 #1-3.**

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

## 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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

**Table 4.1, General Support Resources for  
(Activity:NAVHLTHRSCHCEN) (UIC: 63116 \_\_\_\_\_)**

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
<b>ADMINISTRATION</b>						
Command (CO/XO/TD/etc.)	1115	5	2	0	2	1
Comptroller	286	2	2	0	0	0
Admin	1,822	4	3	0.5	1	0
Human Resources	100	1	1	0	0	0
<b>OPERATIONS SUPPORT</b>						
Supply Management	1,225	4	1	0	0	3
Consolidated Computational Computer Support	1,085	3	3	0	0	0
Information Systems and Communications	646	3	3	0	0	0
Safety/OSH/Environmental	0	0	0	0	0	0
<b>INFRASTRUCTURE</b>						
Physical Security	0	0	0	0	0	0
Public Works/Staff Civil Engr	0	0	0	0	0	0
Fire Protection	0	0	0	0	0	0
Medical/Dental	0	0	0	0	0	0
Military Support	0	0	0	0	0	0
Air/Waterfront Operations	NA	NA	NA	NA	NA	NA
Other	0	0	0	0	0	0
<b>TECHNICAL STAFF</b>						
Technical Operations			43	35	10	8

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

Totals	6279		58	35.5	13	12
--------	------	--	----	------	----	----

**Table 4.2, General Support Resources for all Detachments**  
 (Activity: NAVHLTHRSCHCEN ) (UIC: 63116 ) **NOT APPLICABLE**

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

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

Technical Operations						
<b>Totals</b>						

**Table 4.3, Previous BRAC Impact to General Support Resources for (Activity:NAVHLTHRSCHCEN ) (UIC: 63116 ) SAME AS TABLE 4.1**

Function	Space allocated (Gross SQFT)	Work Years	Civillan Peranel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
<b>ADMINISTRATION</b>						
Command (CO/XO/ TD/etc.)	1115	5	2	0	2	1
Comptroller	286	2	2	0	0	0
Admin	1822	4.5	3	0.5	1	0
Human Resources	100	1	1	0	0	0
<b>OPERATIONS SUPPORT</b>						
Supply Management	1225	4	1	0	0	3
Consolidated Computational Computer Support	1085	3	3	0	0	0
Information Systems and Communications	646	3	3	0	0	0
Safety/OSH/Environmental	0	0	0	0	0	0
<b>INFRASTRUCTURE</b>						
Physical Security	0	0	0	0	0	0
Public Works/Staff Civil Engr	0	0	0	0	0	0
Fire Protection	0	0	0	0	0	0
Medical/Dental	0	0	0	0	0	0
Military Support	0	0	0	0	0	0
Air/Waterfront Operations	0	0	0	0	0	0
Other	0	0	0	0	0	0

page \_\_\_\_ of \_\_\_\_  
UIC \_\_\_\_\_

TECHNICAL STAFF						
Technical Operations						
Totals						

**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: NAVHLTHRSCHEN ) (UIC: 63116 )

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	0	0	0	0	0	0
High School	0	1	0	0	7	8
B.A./B.S	0	3	1	1	3	8
M.A./M.S	0	8	3	1	3	15
Ph.D./ M.D.	0	5	1	1	5	12
<b>Total</b>	0	17	5	3	18	43

**Table 5.2, Technical Staff Education Level for all Detachments**

(Parent Activity: NAVHLTHRSCHCEN ) (UIC: 63116 ) **NOT APPLICABLE**

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

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: NAVHLTHRSCHCEN ) (UIC: 63116 )**

Academic field	Number
Physics	0
Chemistry	0
Biology	0
Mathematics/Statistics/ Operations Research	3
Engineering	0
Medical	9
Dental	0
Computer Science	1
Social Science	14
Other Science	0
Non-Science	0
<b>Total</b>	<b>27</b>

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

**Table 5.4, Technical Staff Academic Fields for all Detachments  
 (Parent Activity:NAVHLTHRSCHCEN ) (UIC: 63116 ) NOT APPLICABLE**

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

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

**San Diego is a large metropolitan community with highly regarded academic institutions (e.g., University of California at San Diego, Salk Institute, Scripps Institute, etc.), a substantial biotech research and high technology industrial presence, and an excellent climate. These factors may attract qualified people in general, and proximity to Navy and Marine Corps operational units may attract qualified people with specific interest in applied research.**

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. (This represents 52% of our Technical Reports).

NHRC Journal Publications For Years 1990-1994

Arnall, D., Goforth, H.W., Jr.

Glycerol ingestion does not enhance body water retention in divers during cold water immersion. Undersea Biomedical Research, 20(4), 1993.

Babkoff, H; TL Kelly, LT Matteson, SA Gomez, A Lopez, S Hauser, P Naitoh & J Assmus  
Pemoline and methylphenidate: Interaction with mood, sleepiness, and cognitive performance during 64 hours of sleep deprivation. Military Psychology, 4:235-256, 1992.

Bales, B., A.C. Hackney, J.T. Coyne, E. Shaw, A. Kramer, & R. Brownsberger.  
Mountaineering Sojourn: effects of prolonged exposure to altitude and cold on body composition. Journal of Wilderness Medicine, 4:32-37, 1993.

Banks, WW; TE Berghage, DL Kelleher, JA Hodgdon, & EKE Gunderson (1990) A222-541  
Proceedings of Joint Agency Meeting on Combat Simulation Issues (JAMCSI), 30 Nov-1  
Dec 88, Lawrence Livermore National Laboratory, Livermore, California  
(Center Publication)

Banta, GR & D Braun (1992) A259-174  
Heat Strain During At-sea Helicopter Operations and the Effect of Passive Microclimate Cooling. Aviation, Space & Environmental Medicine, 63, 881-885

Blood, CG & CB Nirona (1990) A211-210  
Outpatient Illness Incidence Aboard U.S. Navy Ships During and Following the Vietnam Conflict. Military Medicine, 155(10), 472-476. (1989, Center Publication)

Blood, CG & DK Griffith (1990)  
Ship Size as a Factor in Illness Incidence Among U.S. Naval Vessels. Military Medicine,

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

155(7), 310-314

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

- Blood, CG (1991) A259-268  
Analyses of Battle Casualties by Weapon Type Aboard U.S. Navy Warships  
Military Medicine, 157(3), 124-130 (1991 Center Publication, A252-892)
- Blood, CG; WM Pugh, ED Gauker, & DM Pearsall (1992)  
Comparisons of Wartime and Peacetime Disease and Non-battle Injury Rates Aboard Ships  
of the British Royal Navy. Military Medicine, 157(12), 641-644
- Blood, CG & ED Gauker (1993)  
The Relationship Between Battle Intensity and Disease Rates Among Marine  
Corps Infantry Units, Military Medicine, 158(5), 340-344.
- Brodine, SK; EC Oldfield, WA Blattner, et al. (1992)  
HTLV-I Among U.S. Marines Stationed in a Hyperendemic Area: Evidence for Female-to-  
Male Sexual Transmission. Journal of AIDS, 5, 158-162
- Burr, RG, Palinkas, & Banta, GR  
Psychological effects of sustained shipboard operations on U.S. Navy  
personnel. Current Psychology, 12(2), 113-129, 1993.
- Burr, RG; SI Woodruff, & GR Banta  
Associations between Mood and Specific Health Composites during Navy Persian Gulf  
Operations. Journal of Psychosomatic Research, 37(3), 291-297, 1993.
- Conway, SW & TL Conway (1990)  
Perceived Life Quality and Health-Related Correlates Among Men Aboard Navy Ships.  
Military Psychology, 2(2), 79-94
- Conway, TL & TA Cronan (1992)  
Smoking, Exercise and Physical Fitness. Preventive Medicine, 21, 723-734  
(1991 Center Publication, A234-658)
- Cross, ER; LA Hermansen, WM Pugh, MR White, C Hayes, KC Hyams  
Upper Respiratory Disease in Deployed U.S. Navy Shipboard Personnel,  
Military Medicine, 157(12), 649-51, 1992.

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

- Farrow, S; A Mers, G Banta, S Steigerwalt, & W Lockette (1990) A235-012  
 Effect of the  $\alpha_2$ -Adrenergic Antagonist Yohimbine on Orthostatic Tolerance  
Hypertension, 15(6)Part 2, 877-880
- Farrow, S; GR Banta, S Schallhorn, R May, A Mers, L Cadaret, L Rydstedt, & W Lockette  
 (1992). Vasopressin Inhibits Diuresis Induced by Water Immersion in Man  
Journal of Applied Physiology, 73(3), 932-936
- Fujikawa, J; JP Struewing, KC Hyams, EL Kaplan, AK Tupponce, & GC Gray  
 Streptococcal Prophylaxis for Recruits. Efficacy of Oral Erythromycin  
 in Prophylaxis of Streptococcal Infection for Penicillin-allergic  
 Military Recruits: A Randomized Double-blind Study. J Infect Dis, 1992,  
166, 162-5.
- Galambos, R & S Makeig  
 Studies of central masking I. Effects of noise on the steady-state  
 response, J Acoust Soc Amer, 92:2683-90, 1992.
- Galambos, R & S Makeig  
 Studies of central masking II. Use of tonal probes and the masking level  
 difference, J Acoust Soc Amer, 92:2691-97, 1992.
- Garland, FC; EK Shaw, ED Gorham, CF Garland, MR White, & PJ Sinsheimer (1990)  
 Incidence of Leukemia in Occupations With Potential Electromagnetic Field Exposure in  
 United States Navy personnel. American Journal of Epidemiology, 132(2), 293-303.
- Garland CF, Garland FC, Gorham ED  
 Could sunscreens increase melanoma risk (letter). American Journal of  
 Public Health 1992;82:614-5.
- Garland CF, Garland FC, Gorham ED  
 Rising trends in melanoma: an hypothesis concerning sunscreen effective-  
 ness. Annals of Epidemiology 1993;3:103-110.

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

Garland, FC; ED Gorham, CF Garland, MR Miller, SK Brodine, LL Balazs,  
& the Navy HIV Working Group (1993)  
Geographic Variation in Human Immunodeficiency Virus Seroconversion Rates  
in the U.S. Navy. Journal of Acquired Immunodeficiency Syndrome (JAIDS),  
(in press)

Garland, FC; CF Garland, ED Gorham, SK Brodine, PJ Weiss, & the Navy  
HIV Working Group (1993)  
Specific Western Blot Banding Patterns Are Associated With Initial CD4+  
Lymphocyte Counts in Human Immunodeficiency Virus Seroconverters. Annals  
of Epidemiology. (in press)

Garland FC, Garland CF, Gorham ED, Miller MR, Cunnion SO, Berg WS,  
Balazs, LL  
Lack of association of Human Immunodeficiency Virus (HIV) seroconversion  
with visits to foreign ports in U.S. Navy personnel. Archives of Internal  
Medicine 1993;153:2685-2691.

Garland, FC; ED Gorham, SO Cunnion, MR Miller, LL Balazs, & the Navy HIV Working  
Group (1992).  
Decline in Human Immunodeficiency Virus Seropositivity and Seroconversion in U.S.  
Navy Enlisted Personnel: 1986-1989  
American Journal of Public Health, 82(4), 581-584 A259-280

Gorham ED, Garland FC, Barrett-Connor E, Garland CF, Wingard DL, Pugh WM  
Incidence of insulin-dependent diabetes mellitus in young adults:  
experience of 1,587,630 U.S. Navy enlisted personnel. American Journal of  
Epidemiology 1993; 138:1-4.

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

Gorham ED, FC Garland, DL Mayers, RR Goforth, S Brodine, PJ Weiss, MS McNally,  
& The Navy Retroviral Working Group  
CD-4 Lymphocyte Counts within 24 Months of Human Immunodeficiency Virus (HIV)  
Seroconversion in U.S. Navy and Marine Corps Personnel  
Archives of Internal Medicine, 153, 869-876.

Gray, GC; LA Palinkas & PW Kelley (1990)  
Increasing Incidence of Varicella Hospitalizations in United States Army and Navy  
Personnel: Are Today's Teenagers More Susceptible? Should Recruits Be Immunized?  
Pediatrics, 86(6), 867-873.

Gray, GC; KC Hyams, SP Wang & JT Grayston  
Mycoplasma Pneumoniae and Chlamydia Pneumoniae Strain TWAR Infections in U.S.  
Marine Corps Recruits. Military Medicine (in press)

Gunderson, EKE (Ed.) (1990) A222-542  
Proceedings, The Combined Effects of Multiple Stressors on Operational Performance. 4-5  
April 1989, San Diego, California. (Center Publication)

Hackney, A.C., D.L. Kelleher, J.T. Coyne, & J.A. Hodgdon.  
Military operations at moderate altitude: Effects on physical performance.  
Military Medicine, 157:625-629, 1992.

Hackney, A.C., & J.A. Hodgdon  
Thyroid hormones changes during military field operations in the Arctic.  
Aviation, Space & Environmental Medicine, 65:606-611, 1992.

Hagan, RD; SE Weis, & PB Raven  
Effect of pedal rate on cardiorespiratory responses during continuous  
exercise. Med Sci Sports Exercise, 24(10), 1088-95, 1992.

Hoiberg, A & MS McNally (1991) A251-350  
Profiling Overweight Patients in the U.S. Navy: Health Conditions and Costs. Military  
Medicine, 156(2), 76-82 (1990 Center Publication)

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

Hurtado, SL, DS Nice, & MF Hovell

Efficacy of Health Promotion Videotapes in the U.S. Navy: A Lesson for Health Educators. Journal of Health Education, March/April 1993, 24(2), 107-112.

Hyams, KC; JP Struewing, & GC Gray

Seroprevalence of Hepatitis A, B, and C in a United States Military Recruit Population. Military Medicine, 1992, 157, 579-82.

Iaizzo, PA & RS Pozos

Analysis of multiple EMG and acceleration signals of various record lengths as a means to study pathological and physiological oscillations. Electromyography Clinical Neurophysiology, 1992, 32, 359-367.

Jacobs, I., Allsop, A., Goforth, H.W., Jr., Murray, N., Stroud, M., & Vogel, J.

A Compendium of Potential Ergogenic Aids for Elite Combat Personnel. The Technical Cooperation Program, Subgroup U-Action Group-12, 1993.

Johnson, LC; CR Freeman, CL Spinweber, & SA Gomez (1991)

Subjective and Objective Measures of Sleepiness: Effect of Benzodiazepines and Caffeines on Their Relationships. Psychophysiology, 28(1), 65-71.

Kilbourne, B; J Goodman, & SM Hilton (1990)

Predictors of Disability Discharge Disposition for Navy Personnel With a Mental Health Problem. Military Medicine, 155, 542-545

Kobus, DA & LJ Lewandowski

The Effects of Redundancy in Bimodal Word Processing. Human Performance,(in press)

Kristeva-Feige, R., Feige, B., Makeig, S., Ross, B., & Elbert, T.

Oscillatory brain activity during a motor task, NeuroReport, 4: 1291-94, 1993.

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

Lal, RB; SK Brodine, J Kazura, E Mbidde-Katonga, R Yanagihara, & CR Roberts (1992)

Sensitivity and Specificity of a Recombinant Transmembrane Glycoprotein (rgp21)-Spiked Western Immunoblot for Serological Confirmation of Human T-cell Lymphotropic Virus Type I and Type II Infections. Journal of Clinical Microbiology, 30(2), 292-299

Lal, RB; DL Rudolph, JE Coligan, SK Brodine, & CR Roberts (1992)

Failure to Detect Evidence of Human T-Lymphotropic Virus (HTLV) Type I and Type II in Blood Donors With Isolated GAG Antibodies to HTLV-I/II. Blood, 80(2), 544-550.

Licciardone, JC & RD Hagan

The physical fitness of first-year osteopathic medical students. J of Amer Osteopathic Assn, 92(3), 327-33, March 1992.

Leedham, CS & CG Blood (in press)

A Descriptive Analysis of Wounds Among U.S. Marines Treated at Second Echelon Facilities in the Kuwaiti Theater of Operations, Military Medicine.

Linenger, JM; S Flinn, B Thomas & CW Johnson

Epidemiology of Medical Conditions and Musculoskeletal Injuries Among U.S. Navy Seal Special Forces Trainees  
Clinical Journal of Sports Medicine (in press)

Linenger, JM & AF Shwayhat (1992)

A258-794

Epidemiology of Podiatry Injuries in U. S. Marine Recruits Undergoing Basic Training  
Journal of the American Podiatric Medical Association 82(5), 269-271

Linenger, JM & LA West (1992)

Epidemiology of Soft-Tissue/Musculoskeletal Injury among U.S. Marine Recruits Undergoing Basic Training. Military Medicine, 157(9), 491-493

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

- Linenger, JM & CP Christensen (1992) A251-569  
 Is Iliotibial Band Syndrome often overlooked?  
The Physician and Sports Medicine, 20(2), 98-108
- Linenger, JM; CV Chesson II, & DS Nice (1990) A249-769  
 Physical Fitness Gains Following Simple Environmental Change  
American Journal of Preventive Medicine, 7(5), 298-310  
 (1990 Center Publication, A223-781)
- Makeig, S & M Inlow  
 Lapses in Alertness: Coherence of Fluctuations in Performance EEG Spectrum  
EEG & Clinical Neurophysiology, 86, 23-35, 1993.
- Makeig, S  
 Auditory Event-related Dynamics of the EEG Spectrum and Effects of  
 Exposure to Tones  
Electroencephalography and Clinical Neurophysiology, 86, 283-93
- Makeig, S.  
 Event-related dynamics of the EEG spectrum and effects of exposure to  
 tones, Electroencephalography and Clinical Neurophysiology, 86:283-  
 293, 1993.
- Marshall, G; CB Wortman, JW Kusulas, LK Hervig & RR Vickers Jr. (1992)  
 Distinguishing Optimism from Pessimism: Relations to Fundamental Dimensions of Mood  
 and Personality. Journal of Personality & Social Psychology, 62(6), 1067-1074
- McKirnan, MD; CG Gray, & FC White (1991) A24-590  
 Effects of Feeding on Muscle Blood Flow During Prolonged Exercise in Miniature Swine.  
Journal of Applied Physiology, 70(3), 1097-1104
- Naitoh, P; T Kelly, & H Babkoff (1993) A256-602  
 Sleep Inertia: Is There a Worst Time to Wake-up? Chronobiological International, 10(2),  
 109-111 (Center Publication)

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

- Naitoh, P; TL Kelly, & CE Englund (1990) A223-916  
 Health Effects of Chronic Sleep Deprivation. Occupational Medicine: State of the Art Reviews, 5(2) Apr-Jun, 209-237
- Nice, DS & SM Hilton  
 Sex Differences and Occupational Influences on Health Care Utilization Aboard U.S. Navy Ships. Military Psychology, (in press)
- Nice, DS; GJ Tarquienio, & SM Hilton (1991)  
 Results of Dental Corps Officer Survey. Navy Medicine, 82(6), 26-30
- Nice, DS; SM Hilton, & T Malone (1994)  
 Perceptions of U.S. Navy Medical Reservists Recalled for Operation Desert Storm. Military Medicine, 159, 64-67
- Nice, DS; R Nuss, SM Hilton, & M Bourne  
 Total Force Response in Operations Desert Shield/Storm: Perceptions of U.S. Navy Medical Personnel in the Gulf War. U.S. Naval Institute Proceedings, (in press, Jan 94)
- Nice, DS & SM Hilton (1990) A212-997  
 Determinants of the Delegation of Health Care Aboard Ships With Women Assigned. Military Medicine, 155(11), 546-558. (1989, Center Publication)
- Nice, DS & SW Conway (1990) A212-897  
 Self-selection in Responding to a Health Risk Appraisal: Are We Preaching to the Choir? American Journal of Health Promotion, 4(5), 367-372. (1989, Center Publication)
- Oldfield, EC, Rodier GR, Gray GC  
 Endemic Infectious Diseases of Somalia. Clinical Infectious Diseases, 1993; 16 (suppl 3):s132-157.
- Palinkas, LA (1990) A186-605  
 Group Adaptation and Individual Adjustment in Antarctica: A Summary of Recent Research. In AA Harrison, YE Clearwater & CP McKay (Eds.) From Antarctica to Outer

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

Space. Life in Isolation and Confinement (pp 239-251). New York: Springer/Veglag.  
Forward by Dr. Gunderson. Based on the Proceedings of the Human Experience in  
Antarctica Applications to Life in Space. 17 Aug 87, Sunnyvale, CA.  
(1987, Center Publication)

Palinkas, LA; TS Pineda, KC Hyams, & RG Burr (1990) A210-899  
Ten-year Profile of Infectious and Parasitic Disease Hospitalizations in the U.S. Navy.  
Military Medicine, 155(9), 401-405. (1989 Center Publication)

Pantev, C; T Elbert, S Makeig, S Hampson, C Eulitz, & M Hoke  
Relationship of Transient and Steady-state Auditory Evoked Fields  
Electroencephalography and Clinical Neurophysiology, 88:389-96, 1993.

Pozos, RS & PA Iaizzo  
Effects of topical anesthesia on essential tremor. Electromyography  
Clinical Neurophysiology, 1992, 32, 369-372.

Prusaczyk, W.K., Jacobs, I., Bowden, T., McClellan, T.M.  
A Computational Method for Determination of the Individual Anaerobic  
Threshold. Computers in Biology and Medicine, 23(4), 327-331, 1993.

Prusaczyk, W.K.; KJ Cureton, RE Graham, & CA Ray  
Differential effects of dietary carbohydrate on RPE at the lactate and  
ventilatory thresholds. Med Sci Sports Exercise, 24(5), 568-75, 1992.

Prusaczyk, WK; RK Dishman, & KJ Cureton  
No effects of glycogen depleting exercise and altered diet composition  
on mood states. Med Sci Sports Exercise, 24(6), 708-13, 1992.

Roberts, CR; R Mitra, C Hyams, SK Brodine, & RB Lal (1992)  
Serological Differentiation of HTLV-I from HTLV-II Infection by Synthetic  
Peptide Immunoassays. Journal of Medical Virology, 36, 298-302.

Sawyer, MH; YN Wu, CJ Chamberlin, C Burgos, SK Brodine, WA Bowler, A  
LaRocco, EC Oldfield, & MR Wallace (1992)  
Detection of Varicella Zoster Virus DNA in the Oropharynx and Blood of  
Patients With Varicella. Journal of Infectious Diseases, 166, 885-888.

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

- Trent, LK, & LT Stevens (1993)  
 Survey of the Navy's Three-tiered Obesity Treatment Program. Military Medicine, 158(9), 614-618.
- Trent, LK (1992)  
 Nutrition Knowledge of Active-duty Navy Personnel A259-267  
Journal of the American Dietetic Association, 92(6), 724-728
- Vickers, RR Jr.; TL Conway & LK Hervig (1990) A211-920  
 Demonstration of Relicible Dimensions of Health Behaviors. Preventive Medicine, 19, 377-401. (1989 Center Publication)
- Wallace, MR; WA Bowler, NM Murray, SK Brodine, & EC Oldfield (1992)  
 Treatment of Adult Varicella With Oral Acyclovir: A Randomized, Placebo-controlled Trial. Annals of Internal Medicine, 117, 358-363
- Weinger, MB & CE Englund (1990) A245-588  
 Ergonomic and Human Factors Affecting Anesthetic Vigilance and Monitoring Performance in the Operating Room Environment. Anesthesiology, 73, 995-1021.
- Weiss, PJ; PE Olson, & SK Brodine  
 Navy Issue Condoms. Navy Medicine, Nov-Dec 1992, 6-7.
- Weiss, PJ; SK Brodine, RR Goforth, CA Kennedy, MR Wallace, PE Olson, FC Garland, FW Hall, SI Ito, & EC Oldfield  
 Initial Low CD4 Lymphocyte Counts in Recent HIV Infection and Lack of Association With Identified Coinfections. Journal of Infectious Diseases, 1992; 166, 1149-1153
- White, MR & MS McNally (1990) A213-067  
 Morbidity and Mortality in U.S. Navy Personnel From Exposures to Hazardous Materials, 1974-85. Military Medicine, 156(2), 70-73. (1989 Center Publication)
- Woodruff, SI & TL Conway (1992)  
 Impact of Health and Fitness-related Behavior on Quality of Life  
Social Indicators Research, 25, 391-405 (1992 Center Publication, A232-811)

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

Woodruff, SI, TL Conway, JM Linenger (1992)  
An Assessment of Pre- and Post-fitness Measures in Two Remedial Conditioning  
Programs. Military Medicine, 157(1), 25-30 (1991 Center Publication, A230-365)

Woodruff, SI & TL Conway (1992) A259-366  
A Longitudinal Assessment of the Impact of Health/Fitness Status and Health Behavior On  
Perceived Quality of Life. Perceptual and Motor Skills, 75, 3-15

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.

#### NHRC Books and Book Chapters For Years 1990-1994

Angus, J  
Computer Assisted Improvement of Mean Squared Error in Statistical Estimation  
Mathematics and Computers in Simulation, (In press)

Brodine, SK & RJ Thomas  
The Neuroepidemiology of HTLV-I In CA Molgaard (Ed.), Neuroepidemiology: Theory  
and Method. Academic Press, Inc. (In press)

Molgaard, CA & SK Brodine (1992)  
Epidemiologic Concepts. In: Lederberg J (Ed.), Encyclopedia of Microbiology, (95-105).  
Academic Press, 1992.

Gray, GC  
Bartonellosis in Infectious Diseases Hoepflich PD (ed.), 5th edition. Philadelphia, J.B.  
Lippincott Company, 1993.

Makeig, S., Pantev, C., Schwartz, B., Inlow, M., Hampson, S., and Gallen, C. The  
complex event-related field to omitted steady-state probes, in: Biomagnetism: Clinical  
Aspects, M. Hoke, S.N. Erne, Y. Okada, and G.L. Romani, eds., pp. 165-169, 1992.

Pantev, C., Makeig, S., Hoke, M., Galambos, R., Hampson, S., & Gallen, C.  
Evidence of gamma-band oscillations in the transient human auditory evoked magnetic  
field, in Biomagnetism: Clinical Aspects, M. Hoke, S.N. Erne, Y. Okada, and G.L.  
Romani, eds., pp. 153-157, 1992.

Merrill, L., & Isolabella, C.  
Study guide to accompany F.J. McGuigan's Biological Psychology. Psychology.  
Englewood Cliffs: Prentice Hall (in press).

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

Nice DS

The Military Family and the Health Care System. In Koslow (Ed.) The Military Family in Peace and War. New York: Springer Publishing Co. pp. 191-213.

Pozos, RS, PA Iaizzo, & DF Danzl

Hypothermia. In Arctic Sports Medicine and Cold Weather Exertion.

Pozos, RS; PA Iaizzo, DF Danzl & WJ Mills, Jr.

Limits of Tolerance to Hypothermia. In Handbook on Adaptation to the Environment.

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

g. List all non-governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990. **Louis Weinstein Award for best clinical paper in clinical Infection Diseases (1993), Who's Who in Science and Engineering, Distinguish Scientist Award by the Sleep Research Society (1993)**

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990. **Navy Unit Commendation in support of Desert Storm/Shield; Albert Leary Gihon Award and Medal for outstanding service in support Navy Preventive Medicine**

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

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

**Wearable Electronic Data Collection and Storage Device - patent applied for in 1994.  
Flexible, Multielectrode Array for Recording of Bioelectrical Signals - patent applied for in 1993.**

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

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

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

**Two CRDAs have been signed by this activity.**

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

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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.

**Navy Occupational Health Information Management System (NOHIMS), renamed the Occupational Safety and Health Recordkeeping System (OSHRKS). Reference: Pearsall & Hall (1988) "Initial Software and Data Load Procedures for the Navy Occupational Health Information Management System (NOHIMS)," NHRC Technical Report Number 88-16.**

**Shipboard studies of Independent Duty Hospital Corpsmen led to requirements for the SNAP Automated Medical System (SAMS) and contributed significantly to the development of OPNAVINST 6400.1A (Certification, Training, and Use of Independent Duty Hospital Corpsmen, IDCs).**

**Shipboard Medical Information System needs were surveyed as input to determining the structure and design of the SNAP Automated Medical System (SAMS). Information system needs were compiled into report format (NHRC Technical Report 87-18) and NHRC personnel served on the Level I Functional Description Working Group and as part of the Test Site Evaluation Team.**

**Studies of health care requirements for women aboard ship led to new Bureau of Medicine and Surgery (BuMed) policies such as pre-assignment pregnancy tests and medical screens for chronic genitourinary disorders, changes in the authorized medical allowance list, and medical staffing. (NHRC Technical Report Number 90-2).**

**Studies of reservists and active duty health care providers in Operation Desert Shield/Storm contributed substantially to BuMed policies derived from the lessons learned task force and provided the first accurate projections that the Navy reserves would not be significantly depleted through post-war attrition. (NHRC Technical Report Number 92-35).**

**Body fat equations developed by this laboratory are currently in use in the Navy (OPNAVINST 6110.1D) and the Air Force.**

**Physical readiness test score standards developed by this laboratory are used as Physical Readiness Classification scores throughout the Navy (OPNAVINST 6110.1D).**

**Disease and Non-Battle Injury rates developed by this laboratory are used by BuMed medical planners and were used by Office of the Secretary of Defense (PA&E) in the 733 study. (NHRC Technical Report Number 92-2).**

**Extensive field and laboratory evaluation of the microclimate cooling effects of the Steele Vest led to its adoption for fleet damage control operations by NAVSEASYSKOM (NHRC Technical Report Number 90-31).**

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

**Comparison studies of two chemical biological radiological protective ensembles, the Saratoga and the Overgarment 84 (OG84), led to the U. S. Marine Corps' decision to purchase the Saratoga for regular field use. (Technical Report in preparation).**

**Navy policy regarding the length of stay for inpatient alcohol rehabilitation (4 versus 6 weeks) will be formulated on the results of a comprehensive 3-year evaluation which is nearing completion.**

**HIV Central Registry, which contains all test results (negative and positive) and clinical data, is used to manage the Navy HIV Program, forecast trends in the epidemic, regulate assignment policy, and address policy issues.**

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

## 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.

**Facilities - None.**

**Equipment - None.**

### 7. General Facilities.

a. Is there any cash revenue generated by this activity? Example: Electricity generated at this activity and sold to the local community. If yes, describe.

No.

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

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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

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

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

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

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

c. What MILCON projects are currently programmed to be executed/completed after FY1995? For each project provide:

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

**The proposed facility will house the Psychophysiology Laboratory to replace the current laboratory located at NTC, San Diego.**

**Project No. -384T Title-Construct Medical Research Laboratory**

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

**The MILCON will support Human Systems CSF.**

(3) The identified installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call. **None of the equipment planned to be installed in this MILCON meets threshold guidance (i.e., > \$500K) of paragraph 6, page 12.**

(4) The additional square footage this project will provide to the functional support area(s). **13,400 sqft.**

(5) CWE \$680,000 and BOD 3rd Quarter FY95

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.

**NAS, North Island is nearest airfield, approximately 10 miles from NAVHLTHRSCHCEN.**

**SUBASE, San Diego, CA is nearest pier and is located 1.5 miles from NAVHLTHRSCHCEN.**

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

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

## 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. **Yes.**

**The Naval Health Research Center conducts applied research in Navy and Marine Corps operational settings. In San Diego, researchers at NAVHLTHRSCHCEN have access to subject populations in the primary platforms such as naval aviation, surface warfare, submarines, Marine Corps, special operations, and the Naval Hospital. The location also facilitates access to special facilities, such as the Seal Delivery Vehicle Trainer, the only high fidelity trainer/simulator, and headquarters staff in the operational chain of command (e.g., COMNAVSURFPAC, COMNAVAIRPAC, COMSPECWAR). Because applied research, development, test, and evaluation is an iterative process which requires continued input from, and access to, the customer-base, laboratory proximity to the operational forces is an imperative.**

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

**Our research team in the special warfare program, has daily contact with special warfare personnel. This contact is vital to transfer information, understand requirements, maintain credibility, and execute research. Research with the Marine Corps at Camp Pendleton requires frequent interactions to evaluate medical data collection devices at forward echelons during training exercises in the field, to evaluate clinical interventions to unexplained epidemics, such as pneumonia, to develop biomedical interventions to thermal stressors (heat, cold, altitude), to assess soft tissue injuries in training and in the field, and to gain access to Marine Corps personnel to evaluate interventions to prevent sexually transmitted diseases during deployments to the Western Pacific. Within the surface community, it has been important to be aboard ships to assess health care requirements for women, to examine physiological heat exposure limits (PHEL), and to assess the medical evacuation process at sea. These studies represent a small, but representative, segment of our work with the operational forces. Understanding the culture of operational forces, gaining access to subject populations in the field, executing military medical studies in the field, and communicating results to customers in a form which will be useful requires proximity to the customer.**

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

## 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.

a. **A VAX 6310 computer provides statistical analyses for the Command. A Local Area Network (LAN) connects the VAX 6310 to various desktop systems. The LAN has Internet connections via NCCOSC broadband network.**

b. N/A

### 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)

(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?

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(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?

**This command has no mobilization responsibility or capability.**

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

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

N/A

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

## 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: **Our host command NRaD will provide this 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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(4) Complete the following table for the military housing waiting list.  
**Our host command NRaD will provide this information.**

Pay Grade	Number of Bedrooms	Number on List <sup>1</sup>	Average Wait
O-6/7/8/9	1		
	2		
	3		
	4+		
O-4/5	1		
	2		
	3		
	4+		
O-1/2/3/CWO	1		
	2		
	3		
	4+		
E7-E9	1		
	2		
	3		
	4+		
E1-E6	1		
	2		
	3		
	4+		

<sup>1</sup>As of 31 March 1994.

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

**Our host command NRaD will provide this information.**

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	

**Our host command NRaD will provide this information.**

(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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(b) **BEQ: Our host command NRaD will provide this information.**

(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.

**Host command will provide this information.**

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)			
Spouse Employment (non-military)			
Other			
<b>TOTAL</b>		100	

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

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(c) BOQ:

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

**Host command will provide this information.**

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			
<b>TOTAL</b>		100	

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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

(d) BOQ/BEQ Housing and Messing. Our host command NRaD will provide this information.

(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.

**Our host command NRaD will provide this information.**

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(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. N/A

**Our host command NRaD will provide this information.**

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

(5) Provide data on the messing facilities assigned to your current plant account. N/A  
**Our host command, NRaD, will provide this information.**

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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

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

**Our host command, NRaD, will provide this information.**

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

13. **MWR Facilities.** For on-base MWR facilities<sup>10</sup> 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** SUBASE, San Diego

**DISTANCE** 1.5 miles

**Our host command, NRaD, will provide this information.**

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		

<sup>10</sup>Spaces 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		
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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

[Host, NRAD to provide]

BUMED-822, MM  
31 May 94

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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): Host, NRAD to provide  
 BUMED-822, msl  
 31 May 94

City	Distance (Miles)

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

16. Standard Rate VHA Data for Cost of Living:

[Host, NRaD to provide]  
 BUMED-822, mms  
 31 May 94

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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

[Host, NRAD to provide]  
 BUMED-822, mda  
 31 May 94

**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)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

(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			
October			
November			
December			

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

(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:

[Host, NRAD to provide]  
BUMED-822, msa  
31 May 94

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.

[Host, NRAD to provide]  
BUMED-822, msa  
31 May 94

Location	% Employees	Distance (mi)	Time(min)

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

[Host, NRAD to provide]  
 BUMED-822, mas  
 31 May 94

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

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

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/ACT Score	% HS Grad to Higher Educ	Source of Info

page \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

(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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

(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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

[Host, NRAD to provide]  
BUMED-822, mst  
31 May 94

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				

[Host, NRAD to provide]  
BUMED-822, mst  
31 May 94

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.

page \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

R

9 Sept 94

BRAC-95 - MILITARY VALUE DATA CALL #5:

ACTIVITY: Naval Health Research Center, San Diego, CA - UIC N63116

R

QUALITY OF LIFE - QUESTION #23 - CRIME RATE:

BSAT QUESTION: Provide the Crime Rates for your surrounding community or county/township/parish/city in these three categories; violent crime rate, property crime rate, and drug crime rate per 100,000 population, for the years 1991, 1992, and 1993:

RESPONSE:

Crime rates per 100,000 population declared in this report are for the Loma Portal area within the City of San Diego, California, the local encompassing the Naval Health Research Center.

	<u>YEAR</u>			
	<u>1991</u>	<u>1992</u>	<u>1993</u>	
Violent Crimes:	826	680	858	
Property Crime:	5,649	5,358	4,265	
Drug Crimes:*	892	899	NA	NA=Not available

\* Drug Crime information not available for the Loma Portal area. Numbers given are for "Drug Arrests" for the total San Diego area (Sources 1 & 2). It is speculated that Drug Arrest/Drug Crime data for the Loma Portal area to be much lower.

Sources:

1. "City of San Diego, San Diego Police Department Report S1STA140, Crime Rates Per 1,000 Population By Stat Code Grouped by Agency", Mar 94, for the periods: Jan 1991 - Dec 1991, Jan 1992 - Dec 1992, and Jan 1993 - Dec 1993.
2. "Crime in the Sand Diego Region, Mid-Year 1993", Sept 93, Criminal Justice Research Division, San Diego Association of Governments.
3. "Crime in the San Diego Region, 1991", Mar 92, Criminal Justice Research Division, San Diego Association of Governments.

Note! Source 1 data was adjusted to rates per 100,000 population.

Prepared by CAPT CONTRERAS, MSC, USN, Naval Health Research Center, San Diego, Code 01, (619) 553-8420.



53 R VRB:MDP 824 9/22/94

[Host, NRAD to provide]  
 BUMED-822, MAS  
 31 May 94

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			
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 \_\_\_\_\_ of \_\_\_\_\_  
 UIC \_\_\_\_\_

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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			
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			

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			
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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

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			
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 \_\_\_\_\_ of \_\_\_\_\_  
UIC \_\_\_\_\_

9 Sept 94

BRAC-95 - MILITARY VALUE DATA CALL #5: - R 9/12/94 VR Burned 8249/20/94

ACTIVITY: Naval Health Research Center, San Diego, CA - UIC N63116

QUALITY OF LIFE - QUESTION #23 - CRIME RATE:

BSAT QUESTION: Provide the Crime Rates for your surrounding community or county/township/parish/city in these three categories; violent crime rate, property crime rate, and drug crime rate per 100,000 population, for the years 1991, 1992, and 1993:

RESPONSE:

Crime rates per 100,000 population declared in this report are for the Loma Portal area within the City of San Diego, California, the local encompassing the Naval Health Research Center.

Year	<u>1991</u>	<u>1992</u>	<u>1993</u>	
Violent Crimes:	826	680	858	
Property Crime:	5,649	5,358	4,265	
Drug Crimes:*	892	899	NA	NA=Not available

\* Drug Crime information not available for the Loma Portal area. Numbers given are for "Drug Arrests" for the total San Diego area (Sources 1 & 2). It is speculated that Drug Arrest/Drug Crime data for the Loma Portal area to be much lower.

Sources:

1. "City of San Diego, San Diego Police Department Report S1STA140, Crime Rates Per 1,000 Population By Stat Code Grouped by Agency", Mar 94, for the periods: Jan 1991 - Dec 1991, Jan 1992 - Dec 1992, and Jan 1993 - Dec 1993.
2. "Crime in the Sand Diego Region, Mid-Year 1993", Sept 93, Criminal Justice Research Division, San Diego Association of Governments.
3. "Crime in the San Diego Region, 1991", Mar 92, Criminal Justice Research Division, San Diego Association of Governments.

Note! Source 1 data was adjusted to rates per 100,000 population.

Prepared by CAPT CONTRERAS, MSC, USN, Naval Health Research Center, San Diego, Code 01, (619) 553-8420.

**TAB A**

**TECHNICAL OPERATIONS**

**FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

R

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

Technical Center Site	Naval Health Research Center
Functional Support Area	10.1.5
Life Cycle Work Area	Basic Research

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. 4.0 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) 421

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) 80

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 00

Note:

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

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

TAB A  
Page 1R of 5  
UIC: 63116 VRBUMED824 9/16/94  
1R - 8/24/94 VRBUMED824 9/16/94

R

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

Technical Center Site	Naval Health Research Center
Functional Support Area	10.1.5
Life Cycle Work Area	Exploratory Development

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. 3.0 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) 246

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) 145

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 00

Note:

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

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD

TAB A  
Page 1AR of 5  
UIC: 63116

VR BUINED 824  
9/16/94

1-A-R 8/24/94  
VR BUINED 824 9/16/94

R

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

Technical Center Site	Naval Health Research Center
Functional Support Area	10.1.5
Life Cycle Work Area	Advanced Development

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. 13.0 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) 1045

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) 617

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 00

Note:

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

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD

TAB A  
Page 1BR of 5  
UIC: 63116

1-B-~~88~~24/94

VRBUMED824 9/16/94

VRBUMED824  
9/16/94

R

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

Technical Center Site	Naval Health Research Center
Functional Support Area	10.6.4
Life Cycle Work Area	Exploratory Development

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. 13.0 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) 986

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) 582

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 00

Note:

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

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD

TAB A  
Page 1CR of 5  
UIC: 63116

VR BUINED 824  
9/16/94

1C-R 8/24/94

VR BUINED 824 9/16/94

R

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

Technical Center Site	Naval Health Research Center
Functional Support Area	10.6.4
Life Cycle Work Area	Advanced Development

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. 28.0 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) 2213

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) 1306

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. \$(K) 00

Note:

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

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD

TAB A  
Page 10R of 5  
UIC: 63116

1D-R 8/24/94

VRbumen 824 9/16/94

VRbumen 824  
9/16/94

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

Technical Center Site	
Functional Support Area	
Life Cycle Work Area	

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. \_\_\_\_\_ 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)\_\_\_\_\_

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)\_\_\_\_\_

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

Note:

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

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

**TAB A**  
**Page** \_\_\_\_ **of** \_\_\_\_  
**UIC:** \_\_\_\_\_

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

**TAB B**  
**Page** \_\_\_\_ **of** \_\_\_\_  
**UIC:** \_\_\_\_\_

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** \_\_\_\_ **of** \_\_\_\_  
**UIC:** \_\_\_\_\_

**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).

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

m. What were the actual hours that this range was utilized in FY1993?

**TAB C**  
**Page** \_\_\_ **of** \_\_\_  
**UIC:** \_\_\_\_\_

- 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** \_\_\_\_ **of** \_\_\_\_  
**UIC:** \_\_\_\_\_

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

Thomas N. Jones, CAPT MSC USN  
NAME (Please type or print)

Commanding Officer  
Title

Naval Health Research Center  
Activity San Diego, CA

Thomas N. Jones  
Signature

5/2/94  
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)

E. T. FLYNN, CAPT, MC, USN

NAME (Please type or print)

COMMANDING OFFICER

Title  
Naval Medical Research and  
Development Command

Activity

*E. T. Flynn*  
Signature

12 May 94  
Date

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

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
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

RADM R. I. RIDENOUR

NAME (Please type or print)

ACTING CHIEF BUMED

Title

BUREAU OF MEDICINE AND SURGERY

Activity

*R. I. Ridenour*  
Signature

5-16-94  
Date

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

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

J. B. GREENE, JR.

NAME (Please type or print)

ACTING

Title

*J. B. Greene, Jr.*  
Signature

2 JUN 94  
Date

BRAC-95 CERTIFICATION

*Crime Rates*

*021*

Reference: SECNAVNOTE 11000 of 08 December 1993

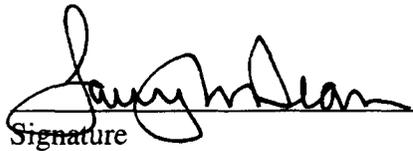
In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate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

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.

ACTIVITY COMMANDER

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

9.12.94  
Date

Naval Health Research Center

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

D. F. HAGEN, VADM, MC, USN

*D. F. Hagen*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
NAME (Please type or print)

CHIEF BUMED/SURGEON GENERAL

*9-20-94*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

BUREAU OF MEDICINE & SURGERY

\_\_\_\_\_  
Activity

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

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

W. A. EARNER

\_\_\_\_\_  
NAME (Please type or print)

*W. A. Earner*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

*9/23/94*  
\_\_\_\_\_  
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."

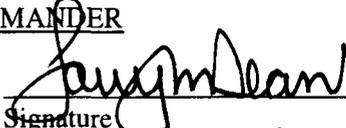
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

9.12.94  
Date

Naval Health Research Center  
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)

T. N. JONES, CAPT, MSC, USN

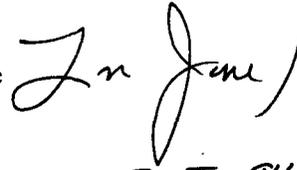
NAME (Please type or print)

COMMANDING OFFICER

Title  
NAVAL MEDICAL RESEARCH & DEVELOPMENT COMMAND

Activity

Signature



Date 21 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)

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

D. F. HAGEN, VADM, MC, USN

NAME (Please type or print)

CHIEF BUMED/SURGEON GENERAL

Title  
BUREAU OF MEDICINE AND SURGERY

Activity

Signature



Date

9-22-94

Data Call 5 revision Naval Health Research Center

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

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

\_\_\_\_\_  
NAME (Please type or print)

W. A. Earner  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

10/5/74  
\_\_\_\_\_  
Date

Rev. TAB A

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."

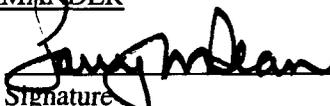
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

8.24.94  
Date

Naval Health Research Center  
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 Thomas N. Jones

NAME (Please type or print)

Commanding Officer

Title

Naval Medical Research and Development Command  
Activity

*Thomas N Jones*  
Signature

9.4.94  
Date

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

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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

MAJOR CLAIMANT LEVEL

HAROLD M. KOENIG, RADM, MC, USN

NAME (Please type or print)

ACTING CHIEF BUMED

Title

BUREAU OF MEDICINE AND SURGERY  
Activity

*Harold M. Koenig*  
Signature

9/16/94  
Date

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

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

W. A. EARNER

NAME (Please type or print)

\_\_\_\_\_  
Title

*W. A. Earner*  
Signature

10/5/94  
Date

**CAPACITY ANALYSIS:  
DATA CALL #4 WORK SHEET FOR  
TECHNICAL CENTER or LABORATORY: NAVHLTHRSCHCEN**

**Table of Contents**

<b><u>Section</u></b>	<b><u>Page</u></b>
1. Historical and Projected Workload	1
2. Current Class 2 Assets	6
3. Class 2 Space Available for Expansion	16
4. Class 1 Space Available for Expansion	20
5. Base Infrastructure Capacity	22
6. Ship Berthing Capacity	26
7. Operational Airfield Capacity	26
8. Depot Level Maintenance Capacity	26
9. Ordnance Storage Capacity	26

**TAB A:** Ship Berthing Capacity

**TAB B:** Operational Airfield Capacity

**TAB C:** Depot Level Maintenance Capacity

**TAB D:** Ordnance Storage Capacity

\*\*\*\*\*If any responses are classified, attach a separate classified annex. \*\*\*\*\*

7 April 1994

**ENCLOSURE ( 1 )**

**1. Historical and Projected Workload.** Use Tables 1.1, 1.2, 1.3 & 1.4 below to provide historical and currently projected workload data for your activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Dollar amounts should be in then-year dollars. Workyears should be separated for in-house government efforts and on-site contractor work.

- a. Use Table 1.1 to provide data on your site.
- b. Use Table 1.2 to provide data on your Detachments that did not receive this Data Call directly. Compile the information from all of these Detachments into one table. Attach a list of the titles & UIC's of the Detachments included in the table.
- c. For FY's 1993 thru 1997 provide a breakout of the "Total Funds Budgeted" line showing the appropriation and amounts of funding budgeted from your major customers. Major resource Sponsors are defined as, but not limited to, all systems commands, ONR, SSPO, CNO, FLT CINCs, Other DON, Other DOD by Department, Other Federal Government, All other. Use Table 1.3 to report this breakout for your site. Use Table 1.4 to report this breakout for your compiled Detachments that did not receive this Data Call directly. Provide separate tables for FY's 1993 thru 1997.

Use the following definitions when providing data for the tables below:

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

In-House government efforts or In-House workyears: Includes both military and civil servant employees

On-Site Contractor workyears: Actual or estimated workyears performed by support contractors with workyears defined consistent with the definition used in the President's budget.

On-site Contractors: Those contractors that occupy space directly on the site on nearly a full time basis.

Total Funds Budgeted: The funds used as inputs to the President's Budget.

Civilian Personnel On-Board: Full Time Permanent employees (FTP).

**Table 1.1 Historical and Projected Workload for NAVHLTHRSCHCEN**  
**(UIC 63116)**

<b>Fiscal Year</b>	<b>Total Funds Budgeted (\$K)</b>	<b>Total Funds Received w/o Direct Cite (\$K)</b>	<b>Direct Cite Funds Received (\$K)</b>	<b>Budgeted Wkys</b>	<b>Actual In-House Wkys</b>	<b>Actual Onsite Contract Wkys</b>
86	4369	4201	0	110	88	19
87	4311	4354	0	110	88	25
88	4672	4287	0	110	88	20
89	5387	5389	0	115	95	25
90	5774	5659	0	125	96	30
91	7430	6917	0	140	97	35
92	8205	7594	0	150	93	50
93	8840	8790	0	155	86	60
94	9124			150		
95	10300			160		
96	10500			163		
97	10750			165		

**Table 1.2 Historical and Projected Workload for Detachments of NAVHLTHRSCHCEN  
(UIC 63116)  
NOT APPLICABLE**

<b>Fiscal Year</b>	<b>Total Funds Budgeted (\$K)</b>	<b>Total Funds Received w/o Direct Cite (\$K)</b>	<b>Direct Cite Funds Received (\$K)</b>	<b>Budgeted Wkyrs</b>	<b>Actual In-House Wkyrs</b>	<b>Actual Onsite Contract Wkyrs</b>
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						

**TABLE 1.3 FY 1993 BREAKOUT OF FUNDS BUDGETED for NAVHLTHRSCHCEN  
(UIC 63116)**

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
NMRDC	501	1703	3622			540		757							
NNMC													630		
ONR	111	37													
NAVFAC									325						
NAVSEA			136										60		
NAVPERS									125				44		
NAVMED													25		
NRL								20							
NEOD		100													
NADNI										54					

**TABLE 1.3 FY 1994 BREAKOUT OF FUNDS BUDGETED for NAVHL/THRSCHCEN**  
**(UIC 63116)**

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation					
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy
NMRDC	467	848	3877			565		1736						
NNMC													585	
ONR	38	116												
NAVFAC									325					
NAVSEA			150											
NAVPER									146				56	
NAVMEC									40					
HLTH AFFAIRS														150
NEOD		5												
MCSC		30												

**TABLE 1.4 FY 1995 BREAKOUT OF FUNDS BUDGETED FOR DETACHMENTS of NAVHLTHRSCHCEN**  
**(UIC 63116 )**

SPONSOR	RDT&E(N)						Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5		6.6	OMN	APN	OPN	WPN	SCN	Other Navy
NMRDC	231	650	3371			548		4450						
NNMC													500	
ONR		125												
NAVFAC									300					
NAVPERs									125					

**TABLE 1.4 FY 1996 BREAKOUT OF FUNDS BUDGETED for DETACHMENTS of NAVHL/THRSCHCEN  
(UIC 63116 )**

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
NMRDC	225	650	4000			500		4750							
NNMC													375		



**2. Current Class 2 Assets.** Complete Tables 2.1 thru 2.6 below as directed. Tables 2.1, 2.2 & 2.3 will define the Class 2 property owned or leased by your activity (less Detachments). Tables 2.4, 2.5 & 2.6 will define the combined Class 2 assets owned or occupied at your Detachment sites which did not receive this Data Call directly. Report space holdings and assignments as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions such as previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD. Square footage of space is to be reported in "Gross Floor/Building Area" (GF/BA) as defined in NAVFAC P-80. Many of the P-80 Category Code Numbers (CCN's) have assets that are reported in units of measure other than square feet (SF). The only unit of measure desired for this Data Call is SF. Only report the assets in each CCN that are normally reported in SF.

For your Site: Naval Health Research Center, San Diego, CA

- a. Use Table 2.1 below to indicate the total amount of Class 2 space at your site for which you are the plant account holder as of 31 March 1994.
- b. Use Table 2.2 below to indicate the total amount of your Class 2 space reported in Table 2.1 that is assigned to your tenant commands and/or independent activities at your site as of 31 March 1994.
- c. Use Table 2.3 below to indicate the total amount of Class 2 space, for which you are not the plant account holder, but which is utilized/leased by you (less Detachments). Provide numbered notes to identify the title and UIC of the plant account holder/lessor, quantity of leased space and the associated lease cost.

Page 9 of 29  
UIC 63116

**Table 2.1 Main Site Class 2 Assets of NAVHLTHRSCHCEN (UIC 63116)  
Host Command NRaD will provide this information.**

Building type	NAVFAC (P-80) category code	Gross Floor/Building Area (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, & Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					

<b>Totals</b>				
---------------	--	--	--	--

d. 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: **Host command, NRaD, will provide this information.**

- (1) FACILITY TYPE/CODE:
- (2) WHAT MAKES IT INADEQUATE?
- (3) WHAT USE IS BEING MADE OF THE FACILITY?
- (4) WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- (5) WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- (6) CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- (7) HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?



Table 2.3 Class 2 Space Utilized/Leased by NAVHLTHRSCHCEN\_ (UIC 63116\_)

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	14,950	9,440	7,174	31,564
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	7,930		4,720	12,650
Housing & Community	700				
Utilities & Grounds	800				
Other			117		117
<b>Totals</b>		22,880	9,557	11,894	44,331

For your Detachment sites not receiving this Data Call directly:

**Host command NRaD will provide this information.**

e. Use Table 2.4 below to indicate the combined total amount of Class 2 space that is occupied by your Detachments for which you are the plant account holder as of 31 March 1994. Attach a list with the titles and UIC's of these Detachments.

f. Use Table 2.5 below to indicate the total amount of your Class 2 space reported in Table 2.4 that is assigned to tenant commands and/or independent activities as of 31 March 1994. Include numbered notes to indicate the Detachment site that hosts the tenant.

g. Use Table 2.6 below to indicate the combined total amount of Class 2 space utilized/leased by your Detachments for which you are not the plant account holder. Provide numbered notes to indicate the quantity of leased space and their associated rental cost.

Not applicable. Table 2.4 Class 2 Assets of \_\_\_\_\_ Occupied by Detachments

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100				
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					

<b>Totals</b>				
---------------	--	--	--	--

h. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information: **Host command NRaD will provide this information.**

- (1) FACILITY TYPE/CODE:
- (2) WHAT MAKES IT INADEQUATE?
- (3) WHAT USE IS BEING MADE OF THE FACILITY?
- (4) WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- (5) WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- (6) CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- (7) HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?



Not applicable. **Table 2.6 Class 2 Space Utilized/Leased by Detachments of \_\_\_\_\_ (UIC \_\_\_\_\_)**

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-standard	In-adequate	Total-adequate Total
Operational & Training	100				
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
<b>Totals</b>					

**3. Class 2 Space Available for Expansion.** An activity's expansion capability is a function of its ability to reconfigure and/or expand existing facilities to accept new or increased roles. Such a reconfiguration may require rehabilitation or buildout of a space to support the new or expanded role. A space expansion could include converting an underutilized storage space into laboratory spaces, or buildout of a high bay area into a multifloor office/laboratory space. All questions refer to Class 2 property for which you are the plant account holder as of 31 March 1994. Do not report any currently programmed changes or additions previously reported in question #2 above. Expansion opportunities must follow the guidance of NAVFAC P-80 for the appropriate facility category code, as well as applicable fire and safety codes. Personnel loading density should not exceed those specified in the P-80. Space is only available if it is currently unoccupied or the current occupants are officially designated for relocation. Report space as Net Floor Area (NFA) as defined in the P-80. Do not include opportunities that are being reported by your Detachments who received this Data Call directly. Reported expansion opportunities must be able to accommodate the necessary ancillary facilities and equipment, such as adequate parking space, required to support the amount of people projected.

a. What is the maximum quantity of space that could be made available for expansion to accommodate other functions and/or increased efforts? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. \_\_\_\_\_ SQFT.

b. How much of the space reported in question 3.a. above is currently available with minimal or no reconfiguration costs? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. \_\_\_\_\_ SQFT.

c. Use Table 3.1 below to indicate the constrained growth opportunities for accepting expanded or new roles. Constrained growth is defined as growth limited to buildings and structures currently on your Class 2 plant account. Add numbered notes to highlight and explain opportunities that require remediation or waiver of a restriction or encumbrance as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. The "Current NFA (KSF)" column total should match the quantity provided in question #3.a. above. Annotate those opportunities that were used to obtain the answer to question #3.b. above. Report space once, do not use the same space for different expansion opportunities. Include in this table space that will become available once planned downsizing (separate from BRAC realignments) has been completed, provide the estimated completion date of the downsizing effort.

d. Use Table 3.2 below to indicate additional unconstrained growth opportunities for accepting expanded or new roles. Unconstrained growth allows for construction of new facilities on existing buildable Class 1 property. The only constraint being that the land must currently be on your plant account holdings as of 31 March 1994 and free of existing land use constraints. Limit new buildings to three stories. Add numbered notes to highlight and explain additional opportunities that would require remediation or waiver of a land use constraint as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. Do not include space that has been reported in Table 3.1.





with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" acreage that is restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands). **None.**

b. Are there any constraints such as parking, utilities, legal restrictions that limit the potential for using Undeveloped land for expansion? **None.**

c. Explain the radio frequency constraints/opportunities within your Class 1 holdings. **Not applicable.**

Class 1 Resources of \_\_\_\_\_ (UIC: \_\_\_\_\_)

Not applicable.

Site Location: \_\_\_\_\_

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance				
Operational				
Training				
R & D				
Supply & Storage				
Admin				
Housing				
Recreational				
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other				
Total:				

d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? \_\_\_\_\_ Acres. Explain.

**5. Base Infrastructure Capacity.** Provide base infrastructure data as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions driven by previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD. **Host command NRaD will provide this information.**

a. Utilize Table 5.1 below to provide information on your activity's base infrastructure capacity and load. Do not report this information if you are a tenant activity.

**Table 5.1 Base Infrastructure Capacity & Load**

Not applicable.	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)				
Natural Gas (CFH)				
Sewage (GPD)				
Potable Water (GPD)				
Steam (PSI & lbm/Hr)				
Long Term Parking				
Short Term Parking				

b. **Maintenance, Repair & Equipment Expenditure Data:** Use Table 5.2 below to provide data on facilities and equipment expenditures at your activity. Project expenditures to FY 1997. Do not include data on Detachments who have received this Data Call directly. Do not report this information if you are a tenant activity. The following definitions apply: **Not applicable.**

**Maintenance of Real Property (MRP) Dollars:** MRP is a budgetary term used to gather the expenses or budget requirements for facility work including recurring maintenance, major repairs & minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call MRP includes all M1/R1 and M2/R2 expenditures.

**Current Plant Value (CPV) of Class 2 Real Property:** The hypothetical dollar amount to replace a Class 2 facility in kind with today's dollars. Example: the cost today to replace a wood frame barracks with a wood frame barracks.

**Acquisition Cost of Equipment (ACE):** The total cumulative acquisition cost of all "personal property" equipment maintained at your activity which includes the cost of installed equipment directly related to mission execution, such as lab test equipment. Class 2 installed capital equipment that is an integral part of the facility will not be reported as ACE.

**Table 5.2 Maintenance, Repair & Equipment Expenditure Data  
for Naval Health Research Center, San Diego (UIC: 63116\_ )**

Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)
1985	0.07	0	1.73
1986	0.08	0	1.84
1987	0.08	0	1.93
1988	0.08	0	2.21
1989	0.10	0	2.18
1990	0.10	0	2.36
1991	0.20	0	2.83
1992	0.30	0	2.35
1993	0.20	0	1.93
1994	0.40	0	2.10
1995	0.30	0	2.35
1996	0.40	0	2.35
1997	0.40	0	2.35

c. Training Facilities: **Not applicable.**

(1) By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. A formal school is a programmed course of instruction for military and/or civilian personnel that has been formally approved by an authorized authority (ie: Service Schools Command, Weapons Training Battalion, Human Resources Office). Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-xx, 179-xx CCN's.

Type of Training Facility/CCN	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C

A = STUDENTS PER YEAR

B = NUMBER OF HOURS EACH STUDENT SPENDS IN THIS TRAINING FACILITY FOR THE TYPE OF TRAINING RECEIVED

C = A x B

(2) By Category Code Number (CCN), complete the following table for all training facilities aboard the installation. Include all 171-xx and 179-xx CCN's.

**For example:** in the category 171-10, a type of training facility is academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours a day for 300 days a year, the capacity in student hours per year would be 600,000.

Type Training Facility/CCN	Total Number	Design Capacity (PN) <sup>1</sup>	Capacity (Student HRS/YR)

(3) Describe how the Student HRS/YR value in the preceding table was derived.

---

<sup>1</sup> Design Capacity (PN) is the total number of seats available for students in spaces used for academic instruction; applied instruction; and seats or positions for operational trainer spaces and training facilities other than buildings, i.e., ranges. Design Capacity (PN) must reflect current use of the facilities.

**6. Ship Berthing Capacity.** If your activity has the capacity to berth ships fill out the data sheets provided at TAB A. **Not applicable.**

**7. Operational Airfield Capacity.** If your activity owns and operates an operational airfield fill out the data sheets provided at TAB B. **Not applicable.**

**8. Depot Level Maintenance Capacity.** Fill out the data sheets provided at TAB C if you or your subordinate activities perform depot level maintenance on a piece of equipment or system.  
**Not applicable.**

**9. Ordnance Storage Capacity.** If your activity has the capability to store or maintain weapons and ordnance fill out the data sheets provided at TAB D. **Not applicable.**

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

NEXT ECHELON LEVEL (if applicable)

E. T. FLYNN, CAPT, MC, USN

NAME (Please type or print)

COMMANDING OFFICER

Title  
Naval Medical Research and  
Development Command

Activity

*E. T. Flynn*  
Signature

12 May 94  
Date

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

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
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

RADM R. I. RIDENOUR

NAME (Please type or print)

ACTING CHIEF BUMED

Title

BUREAU OF MEDICINE AND SURGERY

Activity

*R. I. Ridenour*  
Signature

5-16-94  
Date

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

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

J. B. Greene, Jr  
NAME (Please type or print)

Acting  
Title

*J. B. Greene Jr.*  
Signature

27 May 1994  
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

Thomas N. Jones, CAPT MSC USN  
NAME (Please type or print)

Thomas N Jones  
Signature

Commanding Officer  
Title

5/2/94  
Date

Naval Health Research Center  
Activity San Diego, CA

Data Call #12 VRBUMED  
824  
9/20/94  
R

**"LAB" JOINT CROSS-SERVICE GROUP GUIDANCE PACKAGE**

Section I: Taskings

- 1.1 Guidelines
- 1.2 Standards
- 1.3 Assumptions
- 1.4 Measures of Merit
- 1.5 Activities
- 1.6 Common Support Functions

~~180~~ 183

Section II: Capacity of DOD Components

- 2.1 Workload
- 2.2 Excess Capacity

Section III: Capability of Activities to Perform Common Support Functions

- 3.0 Mission
- 3.1 Location
- 3.2 Personnel
- 3.3 Workload
- 3.4 Facilities & Equipment
- 3.5 Expansion Potential

Section IV: Appendices

- A. Macro Process/Schedule
- B. List of Activities
- C. Common Support Functions

**"LAB" JOINT CROSS-SERVICE GROUP GUIDANCE PACKAGE**

Section I: Taskings

- 1.1 Guidelines
- 1.2 Standards
- 1.3 Assumptions
- 1.4 Measures of Merit
- 1.5 Activities
- 1.6 Common Support Functions

Section II: Capacity of DOD Components

- 2.1 Workload
- 2.2 Excess Capacity

Section III: Capability of Activities to Perform Common Support Functions

- 3.0 Mission
- 3.1 Location
- 3.2 Personnel
- 3.3 Workload
- 3.4 Facilities & Equipment
- 3.5 Expansion Potential

Section IV: Appendices

- A. Macro Process/Schedule
- B. List of Activities
- C. Common Support Functions

## **SECTION I: TASKING**

In accordance with the Deputy Secretary of Defense memorandum dated 7 Jan 94, the Laboratory Joint Cross-Service Group (LJCSG) with DOD components should, where operationally and cost effective, strive to: retain in only one Service militarily unique capabilities used by two or more Services; consolidate workload across the Service to reduce capacity; and assign operational units from more than one Service to a single base. Specifically, the purpose of the LJCSG is:

- Determine common support functions and bases to be addressed by LJCSG
- Establish guidelines, standards, assumptions, measures of merit, data elements and milestone schedules for DOD Component conduct of cross-service analysis of common support functions
- Review excess capacity analysis
- Develop closure or realignment alternatives
- Analyze cross-service trade-offs

The following information identifies to the Services common support functions and data element requirements necessary to support the cross-service analysis of these common support functions.

### **1.1 Guidelines**

Because the DOD components are organized differently, "Lab" activities are considered to be those involved in the following life cycle efforts: Science and technology, and/or engineering development, and/or in-service engineering.

Service missions and force structure will be as stipulated in the FY1995-2000 Defense Planning Guidance and Interim Force Structure Plan.

The Military Departments will use the projected funding in the FY95 President's Budget Submission (Future Years Defense Plan -- FYDP) and an estimate of funds that will be received from outside the military department for execution.

If "lab" excess capacity exists, the Military Departments will start to reduce it where operationally and cost effective through a combination of downsizing in place within the departments, internal service consolidation, and cross service alternatives.

The Military Departments will gather, exchange, and analyze data collected per this guidance call for Common Support Functions (Appendix C) at "lab" activities (Appendix B) in accordance with the milestones and schedule dates identified in Appendix A.

## FOR OFFICIAL USE ONLY

Cross-service alternatives will result in an aggregate reduction in the overall "lab" infrastructure across the Military Departments -- personnel/funding/facilities and equipment.

Common cross-service Measures of Merit will be consistently applied for all cross-service alternatives.

Integration of weapon systems/components into operational forces will remain with the individual Military Departments responsible for those forces.

### **1.2 Standards**

Evaluation of cross-service alternatives will be consistent with PL 101-510 (as amended) and the eight BRAC criteria. Only certified data will be used.

The COBRA cost model will be used to calculate estimated costs, estimated savings, and Return on Investment (ROI) of alternatives leading to proposed closures and realignments. Common inputs will be used for Military COBRA runs incorporating cross-service alternatives.

Military value analysis will be conducted by the Military Departments IAW Title 10, USC responsibilities.

### **1.3 Assumptions**

"Lab" Common Support Functions and activities identified herein represent the major opportunities for developing cross-service alternatives. The Military Departments are not precluded from proposing other cross-service alternatives to reduce excess capacity as they assess the full complement of "lab" functions.

Previous BRAC decisions will be factored into cross-service alternatives.

"Lab" capacity will be based on budgeted workyears. A workyear is considered to be 2080 hours adjusted for time not on the job (e.g. sick leave, annual leave, etc.)

### **1.4 Measures of Merit**

The following Measures of Merit represent the outcome from the DOD component final realignment and closure recommendations that are supported by the capabilities data which will be gathered by activity and common support function in Section III of this guidance.

FOR OFFICIAL USE ONLY

- Reduction of "lab" infrastructure
- Return on investment (COBRA)
- Military value (BRAC criteria 1-4) -- the composite assessment of the quality of the remaining "lab" infrastructure

### 1.5 Activities

The Military Departments will collect capacity data for each "lab" activity identified in Appendix B. The "lab" activities were selected by considering all individual aggregates of personnel and facilities located at one base, under the same commander, performing predominantly science and technology (S&T), engineering development, and/or in-service engineering work. Small subelements of these "lab" activities were included with the activity. Larger subelements were broken out and defined as separate activities. The list of activities was then narrowed down to the list in Appendix B based on a joint Military Department assessment of common support functions with cross-service potential.

### 1.6 Common Support Functions

The common support functions (CSFs) were selected as shown in Appendix C based on a joint Military Department assessment of commonalty and cross-servicing potential. Common support functions which were already consolidated and being cross serviced were not included.

Common Support Functions are divided into two categories: product and pervasive. Product functions include all S&T, engineering development, and in-service engineering efforts associated with a product from all funding sources. Pervasive functions only include those efforts that are S&T funded, i.e. Technology Base (6.1)/Exploratory Development (6.2)/Advanced Development (6.3).

**SECTION II: CAPACITY OF DOD COMPONENTS**

2.1 **Workload.** Use the following table to describe historic and projected workload at each activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Projected funding will be derived from FY95 President's Budget Submission (Then year dollars). Past fiscal year data shall begin with FY86 or at the inception of the activity as it existed on 1 Oct 93. (BRAC Criteria I & IV)

Information Required	Fiscal Years											
	86	87	88	89	90	91	92	93	94	95	96	97
<b>Total Funds Programmed (\$M)</b>	4.4	4.3	4.7	5.4	5.8	7.4	8.2	8.8	9.1	10.3	10.5	10.7
<b>Total Actual Funds (\$M)</b>	4.2	4.4	4.3	5.4	5.7	6.9	7.6	8.8				
<b>Programmed Workyears</b>	110	110	110	115	125	140	150	155	150	160	163	165
<b>Actual Workyears</b>	107	113	108	120	126	132	143	146				

- Budgeted workyears are the selected indicator of the "lab" infrastructure's capacity at an aggregate level for each Military Department. They include both workyears funded directly by the Military Department and the workyears funded from organizations outside the Military Department.

Workyears = government personnel and on-site FFRDCs and SETAs

**2.2 Excess "Lab" Capacity -- Measured at the DOD Component Level**

- Excess "Lab" Capacity = Sum of the Peak Workyears - Sum of the Projected Workyears
  - Peak at each activity = Highest value between FY86 (or since inception of organization) and FY93
  - Projected at each activity = Estimated at FY97

**SECTION III: CAPABILITY OF ACTIVITIES TO PERFORM COMMON SUPPORT FUNCTIONS (CSFs):** Provide the information described for each common support function listed in Appendix C in which you are actively engaged.

**3.0 Mission:** Describe the major capabilities at your activity contributing to the common support function in bulletized format. Describe any relationship and interconnectivity with other functions (common or otherwise) in support of the overall activity mission.

**The Naval Health Research Center supports only one CSF, Human Systems (with emphasis on occupational health and safety, and operational medicine). Mission of this laboratory is in support of that CSF.**

- \* **Operational Epidemiology** (e.g., Gulf War Illness, Injuries in Recruit Training, Navy HIV Central Registry, etc.)
- \* **Medical Requirements and Performance Modeling** (e.g., Disease and Non Battle/Battle Injury Projections, Medical Evacuation, Performance Degradation in Thermal Stress, Shipboard Independent Duty Corpsmen, etc.)
- \* **Operational Performance Assessment and Biomedical Enhancement (Special Warfare)** (e.g., Eccentric Training, Photorefractive Keratectomy, Thermal Protection, Nutritional Performance Enhancement, etc.)
- \* **Medical Informatics** (e.g., Shipboard Computer Assisted Diagnosis, Telemedicine, Medical Dog Tag, etc.)
- \* **Health Promotion and Behavioral Medicine** (e.g., Sexually Transmitted Disease Prevention in Marines in WestPac, Alcohol Rehabilitation Evaluation, Tobacco Control Aboard AirLant Aircraft Carriers, etc.)
- \* **Readiness Standards** (e.g., Physical Standards for Damage Control Aboard Ship, Medical Fitness Standards for Landing Craft-Air Cushion, Fitness Standards for EOD, etc.)
- \* **Biomedical Effects of Continuous Operations** (e.g., Stay Times in MOPP IV gear in Desert Storm, Neural-Human Systems Interface, Circadian effects on extended work, etc.)
- \* **Shipboard Women's Health** (e.g., Health Care Requirements, Pregnancy/Adverse Reproductive Outcome, Occupational Exposure, Preventive Medicine, etc.)

Products derived from the performance of the above mission in support of CSF-Human Systems also directly or indirectly support the following CSFs:

**Infectious Diseases** - (a) Operational Epidemiology; and (b) Health Promotion and Behavioral Medicine.

**Manpower and Personnel** - (a) Readiness Standards; (b) Health Promotion and Behavioral Medicine; (c) Shipboard Women's Health; and (d) Medicine Requirements and Performance Modeling.

**Training Systems** - (a) Operational Epidemiology; (b) Operational Performance

**Assessment and Biomedical Enhancement (Special Warfare); (c) Medical Informatics; (d) Readiness Standards; and (e) Shipboard Women's Health.**

### **3.1 Location**

**3.1.1 Geographic/Climatological Features:** Describe any geographic/climatological features in and around your activity that are relevant to each CSF. Indicate and justify those that are required versus those that just serve to enhance accomplishing the mission of the activity. For example, clear air at high altitude that increases quality of atmospheric, ground-based laser experiments in support of the weapons CSF. (BRAC Criteria I)

**Naval Health Research Center (NHRC) is relatively close to the Marine Corps Mountain Warfare Training Center (MCMWTC) in Bridgeport, CA. During cold weather training operations, this facility affords NHRC researchers the opportunity to conduct evaluations of cold weather performance decrements and biomedical enhancements on larger numbers of Marine Corps personnel in the field. MCMWTC has provided NHRC with an on-sit laboratory to conduct cold stress studies. These operations are conducted in sub-freezing temperatures and snow at altitudes between 6,000 and 11,000 feet. The Special Operations Forces conduct their cold weather training in the San Bernadino mountains which are within 3 hours of NHRC. This training affords NHRC investigators the opportunity to conduct cold weather field studies on Special Operations personnel in snow and sub-freezing temperatures at altitudes between 7,000 and 10,000 feet.**

**The marine base at 29 Palms is relatively close to NHRC and offers researchers the opportunity to conduct studies during Marine Corps field exercises in high desert terrain with temperatures exceeding 100 deg. F. The Special Operations desert training occurs in Nyland, CA which is in the low desert within 2 hours of NHRC. During exercises in this varied terrain, the temperature is generally in excess of 100 deg. F.**

**The mountainous coastal region 40 minutes north of San Diego is the location of Camp Pendleton. This major Marine Corps base provides NHRC investigators the opportunity to evaluate and model human performance capabilities under field conditions. The Pacific Ocean and harbor in San Diego affords NHRC researchers opportunities to evaluate biomedical interventions for hypothermia with the Special Operations Forces during open water swims and other local field operations (e.g., SDV operations, high speed boats, etc.).**

**SECTION III: CAPABILITY OF ACTIVITIES TO PERFORM COMMON SUPPORT FUNCTIONS (CSFs):** Provide the information described for each common support function listed in Appendix C in which you are actively engaged.

**3.0 Mission:** Describe the major capabilities at your activity contributing to the common support function in bulletized format. Describe any relationship and interconnectivity with other functions (common or otherwise) in support of the overall activity mission.

**The Naval Health Research Center supports only one CSF, Human Systems (with emphasis on occupational health and safety, and operational medicine). Mission of laboratory is in support of that CSF.**

- **Operational Epidemiology** (e.g., Gulf War Illness, Injuries in Recruit Training, Navy HIV Central Registry, etc.)
- **Medical Requirements and Performance Modeling** (e.g., Disease and Non Battle/Battle Injury Projections, Medical Evacuation, Performance Degradation in Thermal Stress, Shipboard Independent Duty Corpsmen, etc.)
- **Operational Performance Assessment and Biomedical Enhancement (Special Warfare)** (e.g., Eccentric Training, Photorefractive Keratectomy, Thermal Protection, Nutritional Performance Enhancement, etc.)
- **Medical Informatics** (e.g., Shipboard Computer Assisted Diagnosis, Telemedicine, Medical Dog Tag, etc.)
- **Health Promotion and Behavioral Medicine** (e.g., Sexually Transmitted Disease Prevention in Marines in WestPac, Alcohol Rehabilitation Evaluation, Tobacco Control aboard AirLant Aircraft Carriers, etc.)
- **Readiness Standards** (e.g., Physical Standards for Damage Control aboard Ship, Medical Fitness Standards for Landing Craft-Air Cushion, Fitness Standards for EOD, etc.)
- **Biomedical Effects of Continuous Operations** (e.g., Stay times in MOPP IV gear in Desert Storm, Neural-Human Systems Interface, Circadian effects on extended work, etc.)
- **Shipboard Women's Health** (e.g., Health Care Requirements, Pregnancy/Adverse Reproductive Outcome, Occupational Exposure, Preventive Medicine, etc.)

### **3.1 Location**

**3.1.1 Geographic/Climatological Features:** Describe any geographic/climatological features in and around your activity that are relevant to each CSF. Indicate and justify those that are required versus those that just serve to enhance accomplishing the mission of the activity. For example, clear air at high altitude that increases quality of atmospheric, ground-based laser experiments in support of the weapons CSF. (BRAC Criteria I)

**3.1.2 Licenses & permits:** Describe and list the licenses or permits (e.g., environmental, safety, etc.) that your activity currently holds and justify why they are required to allow tests, experiments, or other special capabilities at your location for each CSF. For example, permit to store and use high explosives. (BRAC Criteria I)

None

**3.1.3 Environmental constraints:** Describe and list the environmental or land use constraints present at your activity which limit or restrict your current scope for each CSF, i.e., would not allow increased "volume" or "spectrum" for the CSF. Example -- Volume: frequency of a type of experiment. Example -- Spectrum: Current permit to detonate high explosives will not allow detonation or storage of increased quantity of explosives without legal waiver (state law) or relocation of surrounding (non-govt) buildings. (BRAC Criteria II)

None

**3.1.4 Special Support Infrastructure:** List and describe the importance of any mission related special support infrastructure (e.g. utilities) present at your location for your activity. (BRAC Criteria I)

None

N/A

**3.1.2 Licenses & permits:** Describe and list the licenses or permits (e.g., environmental, safety, etc.) that your activity currently holds and justify why they are required to allow tests, experiments, or other special capabilities at your location for each CSF. For example, permit to store and use high explosives. (BRAC Criteria I)

N/A

**3.1.3 Environmental constraints:** Describe and list the environmental or land use constraints present at your activity which limit or restrict your current scope for each CSF, i.e., would not allow increased "volume" or "spectrum" for the CSF. Example -- Volume: frequency of a type of experiment. Example -- Spectrum: Current permit to detonate high explosives will not allow detonation or storage of increased quantity of explosives without legal waiver (state law) or relocation of surrounding (non-govt) buildings. (BRAC Criteria II)

N/A

**3.1.4 Special Support Infrastructure:** List and describe the importance of any mission-related special support infrastructure (e.g. utilities) present at your location for your activity. (BRAC Criteria I)

N/A

**3.1.5. Proximity to Mission-Related organizations:** List and describe the importance and impact of not having nearby organizations which facilitate accomplishing or performing your mission -- e.g. operational units, FFRDCs, universities/colleges, other government organizations, and commercial activities. Restrict your response to the top five. Complete the following: (BRAC Criteria I)

*This portion should not be deleted*

Common Support Functions	Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity
Human Systems*	COMNAVSPECWAR	OPERATIONAL	17 miles	32.75	32.75
Human Systems	MCB CAMP PENDLETON	TRAINING	55 miles	24.75	24.75
Human Systems	COMNAVSURFPAC	OPERATIONAL	15 miles	23.5	23.5
Human Systems	MCRD	TRAINING	5 miles	7.5	7.5
Human Systems	NAVSTA	OPERATIONAL	9 miles	5.5	5.5

\* Human Systems focus on occupational health and safety and operational medicine.

COMNAVSPECWAR: Commander, Naval Special Warfare Command

FOR OFFICIAL USE ONLY

MCB CAMP PENDLETON: Commanding General, Marine Corps Base, Camp Pendleton  
COMNAVSURFPAC: Commander, Naval Surface Forces, Pacific  
MCRD: Commanding General, Marine Corp Recruit Depot  
NAVSTA: Commanding Officer, Naval Station, San Diego

PAGE 8

31 March 1994

**FOR OFFICIAL USE ONLY**

The operational/training organizations listed are Naval and Marine Corps customers of Biomedical R&D efforts of this command. Not having operational/training commands nearby would seriously reduce ready access to Naval Warfare Platforms. The surface, subsurface, air, special operations, and Marine Corps Warfare unit platforms are key to recruitment of research subjects and on-site data collection. In addition, interaction with fleet customers is essential to the execution of an effective operational biomedical R&D program. This interaction is necessary to tailor and transition fleet products, to gain trust, and to fully recognize and respond to the research requirements.

**3.2 Personnel:**

3.2.1 **Total Personnel:** What is the total number of government (military and civilian), on-site federally funded research and development center (FFRDC), and on-site system engineering technical assistance (SETA) personnel engaged in science and technology (S&T), engineering development and in-service engineering activities as of end FY93? For individuals that predominantly work in CSFs, involved in more than one CSF, account for those individuals in the CSF that represents the preponderance of their effort. (BRAC Criteria I)

Types of personnel	Number of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	35	16	39	0
Management (Supv)	8	2	0	0
Other	0	0	0	0

R

3.1.5. **Proximity to Mission-Related organizations:** List and describe the importance and impact of not having nearby organizations which facilitate accomplishing or performing your mission -- e.g. operational units, FFRDCs, universities/colleges, other government organizations, and commercial activities. Restrict your response to the top five. Complete the following: (BRAC Criteria I)

Common Support Functions	Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity

3.2 Personnel:

3.2.1 **Total Personnel:** What is the total number of government (military and civilian), on-site federally funded research and development center (FFRDC), and on-site system engineering technical assistance (SETA) personnel engaged in science and technology (S&T), engineering development and in-service engineering activities as of end FY93? For individuals that predominantly work in CSFs, involved in more than one CSF, account for those individuals in the CSF that represents the preponderance of their effort. (BRAC Criteria I)

Types of personnel	Number of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	35	16	39	0
Management (Supv)	8	2	0	0
Other	15	7	0	0

9a

PAGE 10 - R 9/13/94 VR BUW0824 9/20/94

31 March 1994

R

3.2.2 **Education:** What is the number of government personnel actively engaged in S&T, engineering development and in-service engineering activities by highest degree and type of position? Provide the data in the following table: (BRAC Criteria I)

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	14	0	11
Associates	2	0	3
Bachelor	9	0	2
Masters	17	1	3
Doctorate (include Med/Vet/etc.)	9	0	3

3.2.3 **Experience:** What is the experience level of government personnel? Fill in the number of government personnel in the appropriate boxes of the following table. (BRAC Criteria I)

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	3	22	8	3	15
Management (Supv)	0	1	2	2	5
<b>Total</b>	<b>3</b>	<b>23</b>	<b>10</b>	<b>5</b>	<b>20</b>

3.2.4 **Accomplishments During FY91-93:** For government personnel answer the following questions.

10  
 PAGE 10 - R 9/13/94 vR BUMD 824 9/20/94  
 31 March 1994

FOR OFFICIAL USE ONLY

3.2.2 **Education:** What is the number of government personnel actively engaged in S&T, engineering development and in-service engineering activities by highest degree and type of position? Provide the data in the following table: (BRAC Criteria I)

Type of Degree/Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	14	0	0
Associates	2	0	0
Bachelor	9	0	0
Masters	17	1	0
Doctorate (include Med/Vet/etc.)	9	9	0

3.2.3 **Experience:** What is the experience level of government personnel? Fill in the number of government personnel in the appropriate boxes of the following table. (BRAC Criteria I)

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	3	22	8	3	15
Management (Supv)	0	1	2	2	5
<b>Total</b>	<b>3</b>	<b>23</b>	<b>10</b>	<b>5</b>	<b>20</b>

3.2.4 **Accomplishments During FY91-93:** For government personnel answer the following questions.

*Replaced by P10 9/13/94*

R

3.2.4.1 How many patents were awarded and patent disclosures (only count disclosures with issued disclosure numbers) were made? (BRAC Criteria I)

CSF	Disclosures	Awarded	Patent Titles (List)
Human Systems	None	None	64
<b>Total</b>			

3.2.4.2 How many papers were published in peer reviewed journals? (BRAC Criteria I)

CSF	Number Published	Paper Titles (List)
Human Systems (FY91-93)	64	Not possible to list all 64 titles provided as Appendix A.
<b>TOTAL</b>		

**3.3 Workload**

**3.3.1 FY93 Workload**

3.3.1.1 **Work Year and Lifecycle:** Identify the number of actual workyears executed for each applicable CSF in FY93 for each of the following: government civilian; military; on-site FFRDCs; and on-site SETAs. (BRAC Criteria I)

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	58	25	39	0
Engineering Development	0	0	0	0
In-Service Engineering	0	0	0	0

VR BUMED 824 9/20/94

Revised pg

3.2.4.1 How many patents were awarded and patent disclosures (only count disclosures with issued disclosure numbers) were made? (BRAC Criteria I)

CSF	Disclosures	Awarded	Patent Titles (List)
Human Systems	None	None	N/A
<b>Total</b>			

3.2.4.2 How many papers were published in peer reviewed journals? (BRAC Criteria I)

CSF	Number Published	Paper Titles (List)
Human Systems (FY91-93)	64	Not possible to list all 64 titles provided as Appendix A.
<b>TOTAL</b>		

**3.3 Workload**

**3.3.1 FY93 Workload**

3.3.1.1 **Work Year and Lifecycle:** Identify the number of actual workyears executed for each applicable CSF in FY93 for each of the following: government civilian; military; on-site FFRDCs; and on-site SETAs. (BRAC Criteria I)

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	43	18	39	0
Engineering Development	0	0	0	0
In-Service Engineering	0	0	0	0

Replaced by  
P 12 9/13/94  
renumbered to P11

FOR OFFICIAL USE ONLY

3.2.4.1 How many patents were awarded and patent disclosures (only count disclosures with issued disclosure numbers) were made? (BRAC Criteria I) **None**

CSF	Disclosures	Awarded	Patent Titles (List)
<b>Total</b>			

3.2.4.2 How many papers were published in peer reviewed journals? (BRAC Criteria I)

CSF	Number Published	Paper Titles (List)
<b>Human Systems (FY91-93)</b>	<b>64</b>	<b>Not possible to list all 64 titles provide as Appendix A.</b>
<b>TOTAL</b>	<b>64</b>	

**3.3 Workload**

**3.3.1 FY93 Workload**

3.3.1.1 **Work Year and Lifecycle:** Identify the number of actual workyears executed for each applicable CSF in FY93 for each of the following: government civilian; military; on-site FFRDCs; and on-site SETAs. (BRAC Criteria I)

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
<b>Science &amp; Technology</b>	<b>43</b>	<b>18</b>	<b>39</b>	<b>0</b>
<b>Engineering Development</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>In-Service Engineering</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**FOR OFFICIAL USE ONLY**

**3.3.1.2 Engineering Development By ACAT:** For each Common Support Function (e.g. airborne C4I) at each activity engaged in engineering development, provide:

- For each ACAT IC, ID, and II program (as defined in DODI 5000.2):
  - The name of the program
  - A brief program description
- For each ACAT III and IV programs:
  - The number of such programs
  - A list of program names
- For each program not an ACAT I, II, III, IV:
  - The number of such programs
  - A list of program names
- For the purpose of this question, any program between Milestone I and IV and containing demonstration and validation (Dem/Val 6.4)/Engineering and Manufacturing Development (EMD 6.5) funds in the FY95 PBS is considered to be engaged in engineering development (BRAC Criteria I).

<b>Engineering Development</b>	<b>Name or Number</b>	<b>Workyears (FY93 Actual)</b>	<b>FY93 Funds Received (Obligation Authority)</b>	<b>Narrative</b>
<b>ACAT IC</b>	(Name) N/A	N/A	N/A	(Description)
<b>ACAT ID</b>	(Name) N/A	N/A	N/A	(Description)
<b>ACAT II</b>	(Name) N/A	N/A	N/A	(Description)
<b>ACAT III/IV</b>	(Number) N/A	N/A	N/A	(List)
<b>Other</b>	(Number) N/A	N/A	N/A	(List)

FOR OFFICIAL USE ONLY

**3.3.1.3 In-Service Engineering:** For each Common Support Function at each activity engaged in in-service engineering, list the in-service engineering efforts, the FY93 funds (from all sources) obligated for these efforts, the FY93 workyears for these efforts, and the weapon system(s) supported by these efforts. In-service engineering consists of all engineering support of fielded and/or out of production systems and includes efforts to improve cost, throughput, and schedule to support customer requirements as well as mods and upgrades for reliability, maintainability, and performance enhancements. (BRAC Criteria I)

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
		Funds Received (Obligation Authority)	Workyears	
Human Systems	N/A	N/A	N/A	

**3.3.2 Projected Funding**

**3.3.2.1 Direct Funding:** For each applicable CSF, identify direct mission funding by appropriation from FY94 to FY97. Use FY95 PBS for FY95-FY97. (BRAC Criteria I)

CSF (RDT&E)	FY94	FY95	FY96	FY97
Human Systems	7513	9250	10125	10750

**3.3.2.2 Other Obligation Authority:** For each applicable CSF, identify reimbursable and direct-cite funding (other obligation authority expected) from FY94 to FY97. Funding allocation must be traceable to FY95 PBS. (BRAC Criteria I)

CSF	FY94	FY95	FY96	FY97
Human Systems	1611	1050	375	0

**3.4 Facilities and Equipment**

**3.4.1 Major Equipment and Facilities:** Describe major facilities and equipment necessary to support each Common Support Function (include SCIFs). If the facilities and equipment are shared with other functions, identify those functions and the percentage of total time used by each of the functions. Provide labeled photographs that picture the breadth and scope of the equipment and facilities described. If it is unique to DOD, to the Federal Government, or to the US, describe why it is unique. Insert the replacement cost. For this exercise, Replacement cost = (Initial cost + capital investment) multiplied by the inflation factor for the original year of construction. (BRAC Criteria II)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost (\$K)
		DOD	Federal Gov't	U. S.	
Human Systems	Two environmental chambers: Temperature range - 20 to 180 deg. F.; humidity 20-85%.	X			\$145
Human Systems	Swim Flume: Allows exposure to hot or cold moving water at 0 to 4 knots with temperature range of 45 to 90 deg. F.	X			\$70

These facilities are not shared with any other CSF.

**3.4 Facilities and Equipment**

**3.4.1 Major Equipment and Facilities:** Describe major facilities and equipment necessary to support each Common Support Function (include SCIFs). If the facilities and equipment are shared with other functions, identify those functions and the percentage of total time used by each of the functions. Provide labeled photographs that picture the breadth and scope of the equipment and facilities described. If it is unique to DOD, to the Federal Government, or to the US, describe why it is unique. Insert the replacement cost. For this exercise, Replacement cost = (Initial cost + capital investment) multiplied by the inflation factor for the original year of construction. (BRAC Criteria II)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost (\$K)
		DOD	Federal Gov't	U. S.	
Human Systems	Two environmental chambers: Temperature range - 20 deg. F to 180 deg. F; humidity 20-85%.	X			
Human Systems	Swim flume: Allows exposure to hot or cold moving water at 0 to 4 knots with temperature range of 45 to 90 deg. F.	X			

**3.5 Expansion Potential**

**3.5.1 Laboratory Facilities:** Use facilities records as of fourth-quarter FY93 in answering the following (in sq ft) for each CSF: (BRAC Criteria II)

Common Support Function	Facility or Equipment Description	Type of Space*	Space Capacity (KSF)		
			Current	Used	Excess
Human Systems	Science Labs	Technical	31,564	31,564	0
		Administration	12,767	12,767	0

\* Administrative, Technical, Storage, Utility

3.5.1.1 Describe the capacity of your activity to absorb additional similar workyears categorized in the same common support function with minor facility modification. If major modification is required, describe to what extent the facilities would have to be modified. (Use FY97 workyears as your requirement) (BRAC Criteria III)

**Given additional anticipated tasking, this command may experience an increase of 10-15 workyears by FY97. We are a tenant activity. As down-sizing occurs in the host command or other tenant commands, it is anticipated that space will become available to absorb these additional workyears.**

3.5.1.2 If there is capacity to absorb additional workyears, how many additional workyears can be supported? (BRAC Criteria III)

**Additional capacity is dependent upon the extent of down-sizing which occurs in the host command or the other tenant commands.**

3.5.1.3 For 3.5.1.1 and 3.5.1.2 (above) describe the impact of military construction programs or other alteration projects programmed in the FY95 PBS. (BRAC Criteria II)  
**Not applicable.**

3.5.2 **Land Use:** Provide number of buildable acres for additional laboratory/administrative support construction at your installation. (BRAC Criteria II)  
**None.**

3.5.3 **Utilities:** Provide an estimate of your installation's capability to expand or procure additional utility services (electric, gas, water). Estimates should be provided in appropriate units -- e.g. KWH of electricity. (BRAC Criteria II) **None.**

Appendix A to Data Call #12  
File: LABS.12  
NHRC Journal Publications For Years 1991-1993

- 90-30 Banta, GR & D Braun (1992) A259-174  
Heat Strain During At-sea Helicopter Operations and the Effect of Passive Microclimate Cooling. Aviation, Space & Environmental Medicine, 63, 881-885
- 91-1 Blood, CG (1991) A259-268  
Analyses of Battle Casualties by Weapon Type Aboard U.S. Navy Warships  
Military Medicine, 157(3), 124-130 (1991 Center Publication, A252-892)
- 91-2 Blood, CG; WM Pugh, ED Gauker, & DM Pearsall (1992)  
Comparisons of Wartime and Peacetime Disease and Non-battle Injury Rates Aboard Ships of the British Royal Navy. Military Medicine, 157(12), 641-644
- 92-1 Blood, CG & ED Gauker (1993)  
The Relationship Between Battle Intensity and Disease Rates Among Marine Corps Infantry Units, Military Medicine, 158(5), 340-344.
- 89-48 McKirman, MD; CG Gray, & FC White (1991) A245-590  
Effects of Feeding on Muscle Blood Flow During Prolonged Exercise in Miniature Swine  
Journal of Applied Physiology, 70(3), 1097-1104
- 89-49 Naitoh, P (1992)  
Minimal Sleep to Maintain Performance: The Search for Sleep Quantum in Sustained Performance. In C Stampi (Ed.), Why We Nap. Cambridge, MA: Birkhauser Boston Inc. (pp 199-216) (1990 Center Publication, A223-815)
- 88-50 Johnson, LC; CR Freeman, CL Spinweber, & SA Gomez (1991)  
Subjective and Objective Measures of Sleepiness: Effect of Benzodiazepines and Caffeines on Their Relationships. Psychophysiology, 28(1), 65-71
- 89-50 Trent, LK (1991) A262-991  
Prevalance of Elevated Serum Cholesterol in Personnel of the U.S. Navy. Public Health Reports, 106(2), 167-175
- 89-55 Hoiberg, A & MS McNally (1991) A251-350  
Profiling Overweight Patients in the U.S. Navy: Health Conditions and Costs. Military Medicine, 156(2), 76-82 (1990 Center Publication, A223-819)
- Weiss, PJ; SK Brodine, RR Goforth, CA Kennedy, MR Wallace, PE Olson, FC Garland, FW Hall, SI Ito, & EC Oldfield  
Initial Low CD4 Lymphocyte Counts in Recent HIV Infection and Lack of Association With Identified Coinfections. Journal of Infectious Diseases, 1992; 166, 1149-1153

APX A-1R 9/13/94 RR number 0824 9/20/94 \*

- Brodine, SK; EC Oldfield, WA Blattner, et al. (1992)  
HTLV-I Among U.S. Marines Stationed in a Hyperendemic Area: Evidence for Female-to-Male Sexual Transmission. Journal of AIDS, 5, 158-162
- Lal, RB; SK Brodine, J Kazura, E Mbidde-Katonga, R Yanagihara, & CR Roberts (1992)  
Sensitivity and Specificity of a Recombinant Transmembrane Glycoprotein (rgp21)-Spiked Western Immunoblot for Serological Confirmation of Human T-cell Lymphotropic Virus Type I and Type II Infections. Journal of Clinical Microbiology, 30(2), 292-299
- Lal, RB; DL Rudolph, JE Coligan, SK Brodine, & CR Roberts (1992)  
Failure to Detect Evidence of Human T-Lymphotropic Virus (HTLV) Type I and Type II in Blood Donors With Isolated GAG Antibodies to HTLV-I/II. Blood, 80(2), 544-550.
- Roberts, CR; R Mitra, C Hyams, SK Brodine, & RB Lal (1992)  
Serological Differentiation of HTLV-I from HTLV-II Infection by Synthetic Peptide Immunoassays. Journal of Medical Virology, 36, 298-302.
- Sawyer, MH; YN Wu, CJ Chamberlin, C Burgos, SK Brodine, WA Bowler, A LaRocco, EC Oldfield, & MR Wallace (1992)  
Detection of Varicella Zoster Virus DNA in the Oropharynx and Blood of Patients With Varicella. Journal of Infectious Diseases, 166, 885-888.
- Wallace, MR; WA Bowler, NM Murray, SK Brodine, & EC Oldfield (1992)  
Treatment of Adult Varicella With Oral Acyclovir: A Randomized, Placebo-controlled Trial. Annals of Internal Medicine, 117, 358-363
- Weiss, PJ; PE Olson, & SK Brodine  
Navy Issue Condoms. Navy Medicine, Nov-Dec 1992, 6-7.
- Burr, RG, Palinkas, & Banta, GR  
Psychological effects of sustained shipboard operations on U.S. Navy personnel. Current Psychology, 12(2), 113-129, 1993.
- 90-42 Burr, RG; SI Woodruff, & GR Banta  
Associations between Mood and Specific Health Composites during Navy Persian Gulf Operations. Journal of Psychosomatic Research, 37(3), 291-297, 1993.
- 90-43 Conway, TL & TA Cronan (1992)  
Smoking, Exercise and Physical Fitness. Preventive Medicine, 21, 723-734  
(1991 Center Publication, A234-658)
- 90-32 Farrow, S; GR Banta, S Schallhorn, R May, A Mers, L Cadaret, L Rydstedt, & W Lockette (1992).  
Vasopressin Inhibits Diuresis Induced by Water Immersion in Man  
Journal of Applied Physiology, 73(3), 932-936

APXA - 2 R9/13/94 VBumer 824 9/20/94

Garland CF, Garland FC, Gorham ED

Could sunscreens increase melanoma risk (letter). American Journal of Public Health 1992;82:614-5.

Garland CF, Garland FC, Gorham ED

Rising trends in melanoma: an hypothesis concerning sunscreen effectiveness. Annals of Epidemiology 1993;3:103-110.

91-10 Garland, FC; CF Garland, ED Gorham, MR Miller, SO Cunnion, LL Balazs  
Lack of Association of Human Immunodeficiency Virus (HIV) Infection Seroconversion in U.S. Navy Personnel With Visits to Foreign Ports. Archives of Internal Medicine 1993; 153;2685-2691.

91-20 Garland, FC; ED Gorham, CF Garland, MR Miller, SK Brodine, LL Balazs,  
& the Navy HIV Working Group (1993)  
Geographic Variation in Human Immunodeficiency Virus Seroconversion Rates in the U.S. Navy. Journal of Acquired Immunodeficiency Syndrome (JAIDS), 6, 1267-1274.

92-34 Garland, FC; CF Garland, ED Gorham, SK Brodine, PJ Weiss, & the Navy  
HIV Working Group (1993)  
Specific Western Blot Banding Patterns Are Associated With Initial CD4+ Lymphocyte Counts in Human Immunodeficiency Virus Seroconverters. Annals of Epidemiology, 4, 32-36.

90-40b Garland, FC; ED Gorham, SO Cunnion, MR Miller, LL Balazs, & the Navy HIV Working Group  
(1992). Decline in Human Immunodeficiency Virus Seropositivity and Seroconversion in U.S. Navy Enlisted Personnel: 1986-1989. American Journal of Public Health, 82(4), 581-584 A259-280

Arnall, D., Goforth, H.W., Jr.

Glycerol ingestion does not enhance body water retention in divers during cold water immersion. Undersea Biomedical Research, 20(4), 1993.

Jacobs, I., Allsop, A., Goforth, H.W., Jr., Murray, N., Stroud, M., & Vogel, J.

A Compendium of Potential Ergogenic Aids for Elite Combat Personnel. The Technical Cooperation Program, Subgroup U-Action Group-12, 1993.

91-38 Gorham ED, Garland FC, Barrett-Connor E, Garland CF, Wingard DL, Pugh WM  
Incidence of insulin-dependent diabetes mellitus in young adults: experience of 1,587,630 U.S. Navy enlisted personnel. American Journal of Epidemiology 1993; 138:1-4.

APXA - 3R 9/13/94 VR Bumed 824 9/20/94

91-42 Gorham ED, FC Garland, DL Mayers, RR Goforth, S Brodine, PJ Weiss, MS McNally, & The Navy Retroviral Working Group (1993).  
CD-4 Lymphocyte Counts within 24 Months of Human Immunodeficiency Virus (HIV) Seroconversion in U.S. Navy and Marine Corps Personnel  
Archives of Internal Medicine, 153, 869-876.

Fujikawa, J; JP Struewing, KC Hyams, EL Kaplan, AK Tupponce, & GC Gray  
Streptococcal Prophylaxis for Recruits. Efficacy of Oral Erythromycin  
in Prophylaxis of Streptococcal Infection for Penicillin-allergic  
Military Recruits: A Randomized Double-blind Study. J Infect Dis, 1992,  
166, 162-5.

Hyams, KC; JP Struewing, & GC Gray  
Seroprevalence of Hepatitis A, B, and C in a United States Military  
Recruit Population. Military Medicine, 1992, 157, 579-82.

Oldfield, EC, Rodier GR, Gray GC  
Endemic Infectious Diseases of Somalia. Clinical Infectious Diseases,  
1993; 16 (suppl 3):s132-157.

Hagan, RD; SE Weis, & PB Raven  
Effect of pedal rate on cardiorespiratory responses during continuous  
exercise. Med Sci Sports Exercise, 24(10), 1088-95, 1992.

Licciardone, JC & RD Hagan  
The physical fitness of first-year osteopathic medical students. J of Amer  
Osteopathic Assn, 92(3), 327-33, March 1992.

Cross, ER; LA Hermansen, WM Pugh, MR White, C Hayes, KC Hyams  
Upper Respiratory Disease in Deployed U.S. Navy Shipboard Personnel,  
Military Medicine, 157(12), 649-51, 1992.

Hackney, A.C., D.L. Kelleher, J.T. Coyne, & J.A. Hodgdon.  
Military operations at moderate altitude: Effects on physical performance.  
Military Medicine, 157:625-629, 1992.

Hackney, A.C., & J.A. Hodgdon  
Thyroid hormones changes during military field operations in the Arctic.  
Aviation, Space & Environmental Medicine, 65:606-611, 1992.

90-11 Hurtado, SL, DS Nice, & MF Hovell  
Efficacy of Health Promotion Videotapes in the U.S. Navy: A Lesson for  
Health Educators. Journal of Health Education, March/April 1993, 24(2),  
107-112.

ADXA-4R a/13/94 VR burned 824 9/20/94

- 91-46 Babkoff, H; TL Kelly, LT Matteson, SA Gomez, A Lopez, S Hauser, P Naitoh & J Assmus  
 Pemoline and methylphenidate: Interaction with mood, sleepiness, and  
 cognitive performance during 64 hours of sleep deprivation. Military  
 Psychology, 4:235-256, 1992.
- 91-21 Linenger, JM & AF Shwayhat (1992) A258-794  
 Epidemiology of Podiatry Injuries in U. S. Marine Recruits Undergoing Basic Training  
Journal of the American Podiatric Medical Association 82(5), 269-271
- 90-24 Linenger, JM & LA West (1992)  
 Epidemiology of Soft-Tissue/Musculoskeletal Injury among U.S. Marine Recruits  
 Undergoing Basic Training. Military Medicine, 157(9), 491-493
- 90-37 Linenger, JM & CP Christensen (1992) A251-569  
 Is Iliotibial Band Syndrome often overlooked?  
The Physician and Sports Medicine, 20(2), 98-108
- 91-39 Makeig, S & M Inlow  
 Lapses in Alertness: Coherence of Fluctuations in Performance EEG Spectrum  
EEG & Clinical Neurophysiology, 86, 23-35, 1993.
- 92-31 Makeig, S  
 Auditory Event-related Dynamics of the EEG Spectrum and Effects of  
 Exposure to Tones  
Electroencephalography and Clinical Neurophysiology, 86, 283-93, 1993.
- 92-32 Pantev, C; T Elbert, S Makeig, S Hampson, C Eulitz, & M Hoke  
 Relationship of Transient and Steady-state Auditory Evoked Fields  
Electroencephalography and Clinical Neurophysiology, 88:389-96, 1993.
- Galambos, R & S Makeig  
 Studies of central masking I. Effects of noise on the steady-state  
 response, J Acoust Soc Amer, 92:2683-90, 1992.
- Galambos, R & S Makeig  
 Studies of central masking II. Use of tonal probes and the masking level  
 difference, J Acoust Soc Amer, 92:2691-97, 1992.
- Makeig, S.  
 Event-related dynamics of the EEG spectrum and effects of exposure to  
 tones, Electroencephalography and Clinical Neurophysiology, 86:283-  
 293, 1993.
- Kristeva-Feige, R., Feige, B., Makeig, S., Ross, B., & Elbert, T.  
 Oscillatory brain activity during a motor task, NeuroReport, 4: 1291-  
 94, 1993.

APX A-5R 9/13/94 VR BUMEP824 9/20/94

- 91-12 Marshall, G; CB Wortman, JW Kusulas, LK Hervig & RR Vickers Jr. (1992)  
Distinguishing Optimism from Pessimism: Relations to Fundamental Dimensions of Mood and Personality. Journal of Personality & Social Psychology, 62(6), 1067-1074
- 91-45 Naitoh, P; T Kelly, & H Babkoff (1993) A256-602  
Sleep Inertia: Is There a Worst Time to Wake-up? Chronobiological International, 10(2), 109-11  
(Center Publication)
- laizzo, PA & RS Pozos  
Analysis of multiple EMG and acceleration signals of various record lengths as a means to study pathological and physiological oscillations. Electromyography Clinical Neurophysiology, 1992, 32, 359-367.
- Pozos, RS & PA laizzo  
Effects of topical anesthesia on essential tremor. Electromyography Clinical Neurophysiology, 1992, 32, 369-372.
- 92-7 Prusaczyk, W.K., Jacobs, I., Bowden, T., McClellan, T.M.  
A Computational Method for Determination of the Individual Anaerobic Threshold. Computers in Biology and Medicine, 23(4), 327-331, 1993.
- Prusaczyk, W.K.; KJ Cureton, RE Graham, & CA Ray  
Differential effects of dietary carbohydrate on RPE at the lactate and ventilatory thresholds. Med Sci Sports Exercise, 24(5), 568-75, 1992.
- Prusaczyk, WK; RK Dishman, & KJ Cureton  
No effects of glycogen depleting exercise and altered diet composition on mood states. Med Sci Sports Exercise, 24(6), 708-13, 1992.
- Bales, B., A.C. Hackney, J.T. Coyne, E. Shaw, A. Kramer, & R. Brownsberger.  
Mountaineering Sojourn: effects of prolonged exposure to altitude and cold on body composition. Journal of Wilderness Medicine, 4:32-37, 1993.
- 92-4 Trent, LK, & LT Stevens (1993)  
Survey of the Navy's Three-tiered Obesity Treatment Program. Military Medicine, 158(9), 614-618.
- 90-27 Trent, LK (1992) A259-267  
Nutrition Knowledge of Active-duty Navy Personnel  
Journal of the American Dietetic Association, 92(6), 724-728
- 90-26 Woodruff, SI & TL Conway (1992)  
Impact of Health and Fitness-related Behavior on Quality of Life  
Social Indicators Research, 25, 391-405 (1992 Center Publication, A232-811)

APLA - 5R 9/13/94 VR BARNUM 824 9/28/94

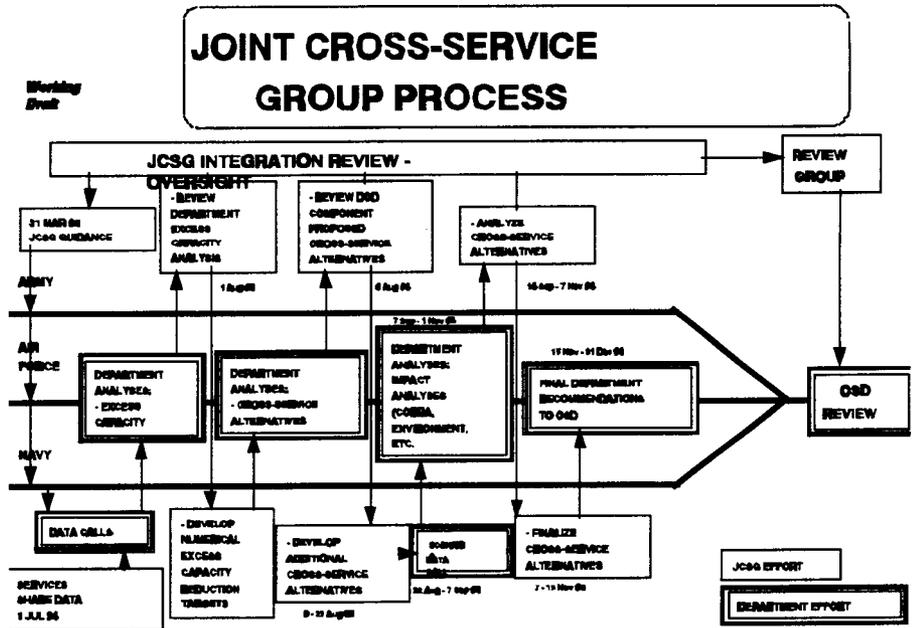
- 90-22 Woodruff, SI, TL Conway, JM Linenger (1992)  
An Assessment of Pre- and Post-fitness Measures in Two Remedial Conditioning  
Programs. Military Medicine, 157(1), 25-30 (1991 Center Publication, A230-365)
- 91-3 Woodruff, SI & TL Conway (1992) A259-366  
A Longitudinal Assessment of the Impact of Health/Fitness Status and Health Behavior On  
Perceived Quality of Life. Perceptual and Motor Skills, 75, 3-15

APXA - <sup>7, R, R</sup> ~~6R~~ 9/13/94 VERIFIED BY 9/20/97

**SECTION IV: APPENDICES**

- A. Macro Process/Schedule
- B. List of Activities
- C. Common Support Functions

APPENDIX A



**APPENDIX B**

**LIST OF ACTIVITIES**

**AIR FORCE**

1. Armstrong Lab, Brooks AFB
2. Armstrong Lab, Tyndall AFB
3. Armstrong Lab, Wright-Patterson AFB
4. Armstrong Lab, Williams AFB
5. Human Systems Center, Brooks AFB
6. Wright Lab, Wright-Patterson AFB
7. Wright Lab, Eglin AFB
8. Aeronautical Systems Center, Wright-Patterson AFB
9. Aeronautical Systems Center, Eglin AFB
10. Oklahoma City Air Logistics Center, Tinker AFB (In-service engineering)
11. Ogden Air Logistics Center, Hill AFB (In-service engineering).
12. San Antonio Air Logistics Center, Kelly AFB (In-service engineering)
13. Sacramento Air Logistics Center, McClellan AFB (In-service engineering)
14. Warner-Robins Air Logistics Center, Robins AFB (In-service engineering)
15. Phillips Lab, Kirtland AFB
16. Phillips Lab, Hanscom AFB
17. Phillips Lab, Edwards AFB
18. Space & Missile Center, Los Angeles AFB
19. Space & Missile Center, Norton AFB
20. Sacramento Air Logistics Center, Peterson AFB
21. Rome Lab, Griffiss AFB
22. Rome Lab, Hanscom AFB
23. Electronic Systems Center, Hanscom AFB
24. Sacramento Air Logistics Center, Peterson AFB (In-service engineering)

**ARMY**

1. Army Research Lab (ARL), Adelphi, MD
2. ARL, Aberdeen Proving Grounds (APG), MD
3. ARL, White Sands Missile Range, NM
4. ARL, NASA Langley, VA
5. ARL, NASA Lewis, OH
6. Natick Research, Development and Engineering Center, Natick, MA
7. Aviation Research, Development and Engineering Center, St Louis, MO
8. Aviation Troop Command, Aeroflight Dynamics Directorate, Moffitt Field, CA

**FOR OFFICIAL USE ONLY**

9. Aviation Troop Command, Aviation Applied Technology Directorate, Fort Eustis, VA
10. Edgewood Research, Development and Engineering Center, Aberdeen Proving Ground, MD
11. Communications Electronics Command Research, Development and Engineering Center, Ft Mammoth, NJ
12. Communication Electronics Command Research, Development and Engineering Center - Night Vision EO Directorate, Ft Belvoir, VA
13. Missile Research, Development and Engineering Center, Redstone Arsenal, AL
14. Armaments Research, Development and Engineering Center, Picatinny Arsenal, NJ
15. Armaments Research, Development and Engineering Center, Benet Labs, Watervliet Arsenal, NY
16. Tank-Automotive Command Research, Development and Engineering Center, Warren, MI
17. USA Research Institute of Infectious Diseases, Ft Detrick, MD
18. Walter Reed Army Institute of Research, Washington D.C.
19. USA Institute of Surgical Research, Ft Sam Houston, TX
20. USA Aeromedical Research Lab, Ft Rucker, AL
21. Medical Research Institute of Chemical Defense Aberdeen Proving Grounds, MD
22. USA Research Institute of Environmental Medicine, Natick, MA
23. Construction Engineering Research Laboratory, Champaign, IL
24. Cold Regions Research and Engineering Lab, Hanover, NH
25. Topographic Engineering Center, Alexandria, VA
26. Waterways Experiment Station, Vicksburg, MS
27. USA Research Institute for Behavioral & Social Sciences, Alexandria, VA
28. Simulation, Training and Instrumentation Command (STRICOM), Orlando, FL

**NAVY**

1. Naval Air Warfare Center, Weapons Division, China Lake
2. Naval Air Warfare Center, Weapons Division, Point Mugu
3. Naval Air Warfare Center, Aircraft Division, Patuxent River
4. Naval Air Warfare Center, Aircraft Division, Indianapolis
5. Naval Air Warfare Center, Aircraft Division, Lakehurst
6. Naval Research Lab, Washington D.C.
7. Naval Research Lab Detachment, Bay St Louis
8. Naval Surface Warfare Center, Carderock Division, Bethesda
9. Naval Surface Warfare Center, Carderock Detachment, Annapolis
10. Naval Surface Warfare Center, Crane Division
11. Naval Surface Warfare Center, Crane Detachment, Louisville
12. Naval Surface Warfare Center, Dahlgren Division
13. Naval Surface Warfare Center, Dahlgren Detachment, Panama City
14. Naval Surface Warfare Center, Indian Head Division

PAGE 19

31 March 1994

**FOR OFFICIAL USE ONLY**

FOR OFFICIAL USE ONLY

15. Naval Surface Warfare Center, Port Hueneme Division
16. Naval Command, Control, and Ocean Surveillance Center, RDT&E Division, San Diego
17. Naval Command, Control, and Ocean Surveillance Center, In-Service Engineering, West Coast Division, San Diego
18. Naval Command, Control, and Ocean Surveillance Center, In-Service Engineering Division, Charleston
19. Naval Aerospace Medical Research Center, Pensacola
20. Naval Biodynamics Lab, New Orleans
21. Naval Dental Research Lab, Great Lakes
22. Naval Health Research Center, San Diego
23. Naval Medical Research Institute, Bethesda
24. Naval Undersea Warfare Center, Keyport Division, WA
25. Naval Surface Warfare Center, Carderock, Philadelphia Detachment
26. Naval Undersea Warfare Center, Newport, RI
27. Naval Undersea Warfare Center (Newport), New London, CT
28. Naval Personnel Research and Development Center, San Diego, CA

DEPARTMENT OF DEFENSE

1. Armed Forces Radiobiology Research Institute (AFRRI), Bethesda, MD

PAGE 20

31 March 1994

**FOR OFFICIAL USE ONLY**

**APPENDIX C**

**COMMON SUPPORT FUNCTIONS**  
**(DEFINITIONS LISTED FOLLOWING PAGES)**

**Product Functions**

1. Air Vehicles
  - Fixed
    - Structure
    - Propulsion
    - Avionics
    - Flight Subsystems
  - Rotary
    - Structure
    - Propulsion
    - Avionics
    - Flight Subsystems
2. Weapons
  - ICBMs/SLBMs
  - Conventional Missiles/Rockets
  - Cruise Missiles
  - Guided Projectiles
  - Bombs
  - Guns and Ammunition
  - Directed Energy
  - Chemical/Biological
3. Space Systems
  - Launch Vehicles
  - Satellites
  - Ground Control Systems
4. C4I Systems
  - Airborne C4I
  - Fixed Ground-Based C4I
  - Ground Mobile C4I

FOR OFFICIAL USE ONLY

**Pervasive Functions**

1. Electronic Devices
2. Environmental Sciences
3. Infectious Diseases
4. Human Systems
5. Manpower and Personnel
6. Training Systems
7. Environmental Quality
8. Advanced Materials

PAGE 22

31 March 1994

**FOR OFFICIAL USE ONLY**

**DEFINITIONS**

**COMMON SUPPORT FUNCTIONS**

**Product Functions**

**1. Air Vehicles.** Air vehicles are broken out into common support functions for fixed wing and rotary wing. Includes but not limited to all science and technology, demonstration and validation, engineering development, and production activities which support employment and in-service engineering of air vehicles. Included are all air vehicles including their application as UAV's and targets.

- Structures. Includes but not limited to all air vehicles structure technology, engineering and production efforts. Include technology and engineering practices which advance structural design and analysis; advanced structural concepts and fabrication techniques; and structural integrity.

- Propulsion. Includes but not limited to all technology, engineering and production efforts associated with air vehicle propulsion such as turbine engine, rotorcraft power drive, and hypersonic propulsion components. Such components include compressors, inlets and nozzles, turbines, mechanical systems and control, gears, bearings, shafts, and clutches. In addition, include associated subsystems activities such as turborocket, turboramjet and rotorcraft transmissions; and supporting technical and engineering disciplines.

- Avionics. Includes but not limited to all technology, engineering and production efforts associated with the air platform's integrated avionics system. The avionics suite includes but is not limited to weapon delivery systems, electronic warfare, navigation, communications, radar, electro-optic sensors, signal/data processing and associated software system and support. Includes efforts associated with developing the integrated avionics system (i.e. optimizing functional partitioning, distribution and integration of avionics/related functions).

- Flight Subsystems. Includes but not limited to all technology, engineering and production efforts for air vehicle support systems such as landing gear; transparent crew enclosures; egress systems; mechanical equipment integrity; electrical component integrity; subsystem integration; and aircraft power, pressurization, and temperature control systems.

**2. Weapons.** Includes but not limited to all science and technology, demonstration and validation, engineering development, and production activities which support employment and in-service engineering of ICBMs/SLBMs, conventional missiles and rockets, cruise missiles, guided projectiles, bombs, guns and ammunition, directed energy and chemical/biological munitions. Include with each weapon as appropriate, all related technology, engineering and production activities such as fusing/safe and arm, missile propulsion, warheads and explosives, and guidance and control.

**3. Space.** Includes but not limited to all science and technology, demonstration and validation, engineering development, and production activities which support employment and in-service engineering of launch vehicles, satellites and associated ground control systems (satellite control only; ground systems for telemetry of data included in C4I). Include under satellites, all technology, engineering and production activities associated with space communications and space-based surveillance (and associated sensors) and space-based C4I.

**4. C4I.** Includes but not limited to all science and technology, demonstration and validation, engineering development, and production activities which support employment and in-service engineering of airborne, fixed ground-based and mobile ground based C4I systems. Include all technology, engineering and production activities associated with communications networks, radios and links, distributed information systems, data fusion, decision aids, and associated computer architectures.

**Pervasive Functions (6.1, 6.2, and 6.3)**

**1. Electronic Devices.** Includes but not limited to all science and technology activities supporting development of semiconductor and superconductor materials for optoelectronic, acoustic and microwave devices. Include all associated electronic materials/device fabrication and processing.

**2. Environmental Sciences.** Includes but not limited to all science and technology activities to improve measurement, characterization and modeling of the earth atmosphere and space environment. Examples include global prediction systems, space effects, and celestial backgrounds/astronomical reference sources.

**3. Infectious Diseases.** Includes but not limited to all science and technology activities which preserve manpower and performance by the prevention and treatment of militarily important infectious diseases that occur naturally worldwide.

**4. Human Systems.** Includes but not limited to all science and technology activities to enable, protect, sustain and enhance human effectiveness in DOD operations. The focus of this pervasive, multi-disciplinary area is the human and therefore impacts all DOD systems and operations. This area includes: (1) human performance definition, assessment, and aiding; (2) physiologic bioeffects of toxic hazards, ionizing and non-ionizing radiation, biodynamic (bio-mechanical) stress, and extreme environments; (3) military operational medicine; and (4) generic, human-centered design standards/methodologies for crew station subsystems, information management and display, and life support.

**5. Manpower and Personnel.** Includes but not limited to all science and technology activities which support four broad areas: (1) selection and classification of DOD personnel (including pilots); (2) identification of operational tasks performed and requirements for skills, knowledge, and aptitudes; (3) matching the right people with the jobs they are best suited for according to the needs of DOD, (4) and developing techniques for measuring and enhancing the productivity of the operational force.

**6. Training Systems.** Includes but not limited to all science and technology which support training of personnel, including training strategies, devices and simulators, and computer aided intelligent tutoring systems.

**7. Environmental Quality.** Includes but not limited to all science and technology activities which support the development of technologies to reduce the environmental costs of DOD operations while ensuring mission accomplishment is not jeopardized by adverse environmental impacts. Specifically, this area encompasses technologies to: (1) identify and cleanup sites contaminated with hazardous materials as a result of DOD operations (cleanup); (2) ensure DOD compliance with current and anticipated local, national, and international environmental laws and treaties (compliance); (3) minimize DOD use of hazardous materials and reduce DOD hazardous waste generation (pollution prevention); and (4) provide for protection of natural resources under DOD stewardship (conservation).

**8. Advanced Materials.** Includes but not limited to all science and technology activities related to structural, high temperature, electromagnetic protection, electronic, magnetic, optical, and biomolecular materials. Note: excludes materials areas which were included in DDR&E decision of 18 Mar 94 related to the Army's Materials Research Facility at Aberdeen Proving Ground and the Navy's Materials Facility at Carderock.

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.

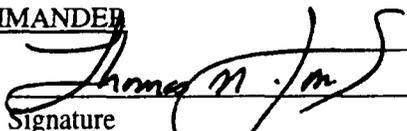
Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes 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

Thomas N. Jones, CAPT MSC USN

NAME (Please type or print)

  
Signature

Commanding Officer

Title

5/2/94  
Date

Naval Health Research Center

Activity San Diego, CA

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 E. T. FLYNN, MC, USN  
NAME (Please type or print)  
COMMANDING OFFICER  
Title  
NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
Activity

E. T. Flynn  
Signature  
6 May 94  
Date

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

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

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

MAJOR CLAIMANT LEVEL

RADM R. I. RIDENOUR  
NAME (Please type or print)  
ACTING CHIEF BUMED  
Title  
BUREAU OF MEDICINE AND SURGERY  
Activity

R. I. Ridenour  
Signature  
5-16-94  
Date

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

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

J. B. Greene, Jr.  
NAME (Please type or print)  
Acting  
Title

J. B. Greene Jr.  
Signature  
19 May 1994  
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."

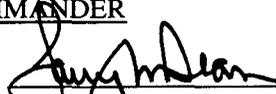
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

18 Jul 94  
Date

Naval Health Research Center  
Activity

Revision pg 6, 62, 7, 11, 14

ENCLOSURE ( 2 )

Revision pg 6, 62, 7, 11, 14

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

NEXT ECHELON LEVEL (if applicable)

T. N. JONES  
NAME (Please type or print)  
COMMANDING OFFICER  
Title  
NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
Activity

[Signature]  
Signature  
21 July 94  
Date

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

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

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

MAJOR CLAIMANT LEVEL

D. F. HAGEN, VADM, MC, USN  
NAME (Please type or print)  
CHIEF BUMED/SURGEON GENERAL  
Title  
BUREAU OF MEDICINE AND SURGERY  
Activity

[Signature]  
Signature  
7-27-94  
Date

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

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

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title

[Signature]  
Signature  
7/30/94  
Date

CONTAINED W/ 9-13-94 REVISIONS

12 Sept 94

BRAC-95, DATA CALL # 12:

ACTIVITY: Naval Health Research Center, San Diego, CA - N63116

RESPONSE:

Naval Health Research Center had previously submitted enclosure (1), but will resubmit for your convenience. The data for tables 3.2.1, 3.2.2, 3.2.3 and 3.3.1.1 have been revised to include the "other" category, i.e., to include all organizational personnel not listed in the categories of "technician" and "Management (Supv)".

Note! Since table 3.2.3 request information on technician and management (Supv) only, no changes were made.

Submitted by CAPT Thomas J. Contreras, MSC, USN, (619) 553-8420, DSN 553-8420.

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

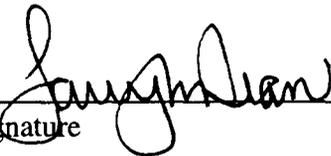
In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate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

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.

ACTIVITY COMMANDER

CAPT Larry M. Dean  
NAME (Please type or print)

  
Signature

Commanding Officer  
Title

9.13.94  
Date

Naval Health Research Center

Revision Pages 1, 10, 11, 12 plus Appendix A 1R thru 7R

9-13-94 REVISIONS

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

NEXT ECHELON LEVEL (if applicable)

T. N. JONES, CAPT, MSC, USN

NAME (Please type or print)

Signature

*T n Jones*

COMMANDING OFFICER

Date

20 Sept 94

Title

NAVAL MEDICAL RESEARCH & DEVELOPMENT COMMAND

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

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.

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

D. F. HAGEN, VADM, MC, USN

*D. F. Hagen*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

CHIEF BUMED/SURGEON GENERAL

*9-20-94*  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

BUREAU OF MEDICINE & SURGERY

\_\_\_\_\_  
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

*W. A. Earner*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

*9/21/94*  
\_\_\_\_\_  
Date