DCN 1422

176

CAPACITY ANALYSIS:
DATA CALL #4 WORK SHEET FOR
TECHNICAL CENTER or LABORATORY: OFFICE OF NAVAL RESEARCH

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NOTE TABS A THROUGH D ARE NOT APPICABLE AND ARE NOT PROVIDED

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

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. **NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses.**

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. **Table 1.4 NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses.**

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 Office of Naval Research

(UIC 00014)

Fiscal Year	Total Funds Budgeted ($K)	Total Funds Received w/o Direct Cite ($K)	Direct Cite Funds Received ($K)	Budgeted Wkyrs	Actual In-House Wkyrs	Actual Onsite Contract Wkyrs
86	922,602	927,414	not available	not available	507	not available
87	1,007,548	935,868	235,479	555	496	not available
88	1,000,574	891,534	329,897	517	506	not available
89	918,557	935,025	296,933	498	497	not available
90	944,111	957,083	472,306	496	500	not available
91	1,017,371	1,026,984	392,288	506	505	not available
92	1,324,434	1,362,209	450,438	477	501	not available
93	1,746,724	1,729,068	447,817	466	495	90
94	1,585,757			496		
95	1,499,308			485		
96	1,536,939			466		
97	1,588,543			449		

Table 1.2 Historical and Projected Workload for Detachments of Office of Naval Research

(UIC 00014)

Without CNO Funds ($ in thousands)

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

NOT APPLICABLE. ONR Detachmnets individually and cumulatively are below thresholds for BRAC data call responses.

TABLE 1.3 FY 199 3 BREAKOUT OF FUNDS BUDGETED ($ in millions) for the Office of Naval Research

(UIC 00014)

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
ONR	473.6	622.5	418.5	27.9	5.2	77.6	117.9								
OP-911									2.0						
OP-911											.4				

TABLE 1.3 FY 199 4 BREAKOUT OF FUNDS BUDGETED ($ in millions) for the Office of Naval Research

(UIC 00014)

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
ONR	433.9	530.1	425.3	20.7	4.3	149.5	19.9								
OP-911									1.5						
OP-911											.2				

TABLE 1.3 FY 199 5 BREAKOUT OF FUNDS BUDGETED ($ in millions) for the Office of Naval Research

(UIC 00014)

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
ONR	435.1	517.3	420.5	21.0	4.4	58.3	40.9								
OP-911									1.8						

TABLE 1.3 FY 199 6 BREAKOUT OF FUNDS BUDGETED ($ in millions) for the Office of Naval Research

(UIC 00014)

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
ONR	425.6	541.6	433.0	21.9	4.4	57.2	51.7								
OP-911									1.6						

TABLE 1.3 FY 199 7 BREAKOUT OF FUNDS BUDGETED ($ in millions) for the Office of Naval Research

(UIC 00014)

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
ONR	437.8	567.4	456.2	21.3	4.5	56.3	43.6								
OP-911									1.6						

TABLE 1.4 FY 199 BREAKOUT OF FUNDS BUDGETED for DETACHMENTS of Office of Naval Research. NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC Data Call responses.(UIC 00014)

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
NOT															
APPLICABLE															

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

For your Site:

a. Use Table 2.1 below to indicate the total amount of Class 2 space at your site for which you are the plant account holder as of 31 March 1994. **NOT APPLICABLE**

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. **NOT APPLICABLE, NO TENANTS**

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.

NOTES FOR TABLE 2.3

1. Naval District of Washington, UIC 00171; 118,000 net useable square feet; $2,681,391

2. For leased space Net Useable Area is a more accurate quantity to use. Figures provided are ONR's net useable area for which it pays rent.

3. BRAC 1993 directed ONR be relocated to the Washington Navy Yard. P-002T, Alter for ONR Headquarters, Programmed Amount $9.2M (CHESDIV/N-4 Estimate); 130,000 (GF/BA), 101,000 sf net

useable; estimated award 12/97, est construction start 1/98, estimated occupancy 8/99.

Table 2.1 Main Site Class 2 Assets of Office of Naval Research (UIC 00014)

Building type	NAVFAC (P-80) category code	Gross Floor/Building Area (KSF)			
		Adequate	Sub-	In-	Total
Operational & Training	100				NA
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					
	Totals	**N/A**	**N/A**	**N/A**	**N/A**

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:

(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 2.2 Main Site Class 2 Space of Office of Naval Research
(UIC 00014)

Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA Assigned (KSF)
Name	UIC		
NO Tenants			NA
		Total:	NA

Table 2.3 Class 2 Space Utilized/Leased by Office of Naval Research (UIC 00014)

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-	In-	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	118.0			118.0
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	**118.0**			**118.0**

For your Detachment sites not receiving this Data Call directly:

e. Use Table 2.4 below to indicate the combined total amount of Class 2 space that is occupied by your Detachments for which you are the plant account holder as of 31 March 1994. Attach a list with the titles and UIC's of these Detachments. **NOT APPLICABLE**

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. **NOT APPLICABLE**

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. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses.**

Table 2.4 Class 2 Assets of Office of Naval Research Occupied by Detachments

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-	In-	Total
Operational & Training	100				NA
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				

Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	**N/A**	**N/A**	**N/A**	**N/A**

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:

(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 2.5 Class 2 Space at Detachment Sites of Office of Naval Research
(UIC 00014)

Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA (KSF) Assigned
Name	UIC		
NOT APPLICABLE			
		Total:	NA

Table 2.6 Class 2 Space Utilized/Leased by Detachments of Office of Naval Research (UIC 00014)

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-	In-	Total-
Operational & Training	100				
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				

Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	**NA**			**NA**

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

a. What is the maximum quantity of space that could be made available for expansion to accommodate other functions and/or increased efforts? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. 0 SQFT.

b. How much of the space reported in question 3.a. above is currently available with minimal or no reconfiguration costs? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. 0 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.
NOT APPLICABLE, ONR IS TENANT

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.
NOT APPLICABLE, ONR IS TENANT

Table 3.1 Constrained Class 2 Space Available for Expansion at Office of Naval Research

(UIC 00014)

Building # / Category Code (3 digit)	Current NFA (KSF)	Additional Capacity Provided By Expansion		Height of High Bay (FT)	Estimated Cost of Rehab ($K's)
		NFA (KSF)	# of Personnel		
NA	NA	NA	NA	NA	NA

Totals	NA	NA	NA		NA

Table 3.2 Unconstrained Class 2 Space Available for Expansion at Office of Naval Research

(UIC 00014)

Building # / Category Code (3 digit)	Current NFA (KSF)	Additional Capacity Provided By Expansion		Height of High Bay (FT)	Estimated Cost of Rehab ($K's)
		NFA (KSF)	# of Personnel		
NA	NA	NA	NA	NA	NA

Totals	NA	NA	NA		NA

4. Class 1 Space Available for Expansion.

a. Identify in Table 4.1 below the real estate resources which have the potential to facilitate future development, and **for which you are the plant account holder as of 31 March 1994**, or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site (i.e., main base, outlying airfields, special off-site areas, etc.) and Detachment that did not receive this Data Call directly. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" acreage that is restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).**NOT APPLICABLE ONR IS A TENANT IN NDW LEASED SPACE**

b. Are there any constraints such as parking, utilities, legal restrictions that limit the potential for using Undeveloped land for expansion?
NOT APPLICABLE, ONR IS A TENANT IN NDW LEASED SPACE

c. Explain the radio frequency constraints/opportunities within your Class 1 holdings.**NOT APPLICABLE**

Class 1 Resources of Office of Naval Research
(UIC: 00014)
Site Location: ARLINGTON VA

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

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

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.

NOT APPLICABLE. ONR IS A TENANT IN NDW LEASED SPACE

Table 5.1 Base Infrastructure Capacity & Load

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	N/A	N/A	N/A	N/A
Natural Gas (CFH)				
Sewage (GPD)				
Potable Water (GPD)				
Steam (PSI & lbm/Hr)				
Long Term Parking				
Short Term Parking				
	N/A	N/A	N/A	N/A

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

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

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

Acquisition Cost of Equipment (ACE): The total cumulative acquisition cost of all "personal property" equipment maintained at your activity which includes the cost of installed equipment directly related to mission execution, such as lab test equipment. Class 2 installed capital equipment

that is an integral part of the facility will not be reported as ACE.

Table 5.2 Maintenance, Repair & Equipment Expenditure Data for Office of Naval Research (UIC: 00014)

Fiscal Year	MRP ($M)	CPV ($M)	ACE ($M)
1985	NOT APPLICABLE		NOT APPLICABLE
1986	NOTE 1		NOTE 1
1987	NOTE 1		
1988	NOTE 1		
1989	NOTE 1		
1990	NOTE 1		
1991	NOTE 1		
1992	NOTE 1		
1993	NOTE 1		
1994	NOTE 1		
1995	NOTE 1		
1996	NOTE 1		NOTE 1
1997	NOT APPLICABLE		NOT APPLICABLE

NOTE 1 HQ ONR and its Detachment are tenants in commercially leased office space. HQ ONR does not hold any Class 2 property.

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
NOT APPLICABLE								

A = STUDENTS PER YEAR
B = NUMBER OF HOURS EACH STUDENT SPENDS IN THIS TRAINING FACILITY FOR THE TYPE OF TRAINING RECEIVED
C = A x B

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

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

Type Training Facility/CCN	Total Number	Design Capacity (PN)[1]	Capacity (Student HRS/YR)
NOT APPLICABLE			

(3) Describe how the Student HRS/YR value in the preceding table was derived. **NOT APPLICABLE**

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

6. **Ship Berthing Capacity.** If your activity has the capacity to berth ships fill out the data sheets provided at TAB A.
NOT APPLICABLE AND IS NOT PROVIDED

7. **Operational Airfield Capacity.** If your activity owns and operates an operational airfield fill out the data sheets provided at TAB B.
NOT APPLICABLE AND IS NOT PROVIDED

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 AND IS NOT PROVIDED

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 AND IS NOT PROVIDED

DATA CALL FOUR ONR HQ

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

MARC PELAEZ
NAME (Please type of print)

Signature

CHIEF OF NAVAL RESEARCH
Title

17 Aug 1994
Date

OFFICE OF NAVAL RESEARCH
Activity

DATA CALL FOUR ONR HQ

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH

Title

Date

OFFICE OF NAVAL RESEARCH

Activity

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

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

W.A. EARNER

NAME (Please type of print

Signature

Title

8/29/84

Date

0176

MILITARY VALUE DATA CALL

TECHNICAL CENTERS

Category	**ADMINISTRATIVE HEADQUARTERS**
Technical Center Site	**OFFICE OF NAVAL RESEARCH**
Location/Address	**ARLINGTON VA**

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NOT APPLICABLE	
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NOT APPLICABLE
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TAB A Technical Operations: Functional Support Area - Life Cycle Work Area Form

TAB B Facilities and Equipment: Facilities/Equipment Capability Form
NOT APPLICABLE

TAB C Range Resources: Range Capability Form **NOT APPLICABLE**

ATTACHMENT 1 TECHNICAL STAFF QUALIFICATIONS QUESTIONS 5.D TO 5.O

MILITARY VALUE MEASURES

MISSION

1. **Mission Statement.**

Encourage, promote, plan, initiate, and coordinate naval research to provide for the maintenance of future naval power and the preservation of national security.

Conduct naval research in augmentation of and in conjunction with the research and development conducted by the bureaus and other agencies and offices of the Department of the Navy.

Supervise, administer and control activities within or for the Department of the Navy relating to patents, inventions, trademarks, copyrights, and royalty payments, and matters connected therewith.

Under the authority of enabling legislation of 1 August 1946, Public Law 588, codified as Title 10 USC, 5150-5153.

2. **Joint Service Missions.**

Serve as the Department of Navy Science and Technology Executive

Chair the Joint Directories of Laboratories in rotation with the Army and Air Force.

Negotiate federal indirect cost rates at universities and non-profit organizations assigned to the Department of Defense by the Office of Management and Budget.

Authorized by SECNAVINST 5430.20D.

TECHNICAL FUNCTIONS

3. **Technical Functions Resource Allocations.** **SEE TAB A** and **ATTACHMENT 1**

MANPOWER

4. Work Breakdown Structure. SEE TABLES 4., 4.2 AND 4.3

Table 4.1, General Support Resources for (Activity: ONR) (UIC: 00014)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/TD/etc.)	4,800	44	43		2	
Comptroller	8,400	47	46	7		
Admin	88,600	31	30	46		3
Human Resources	3,100	18	17			
OPERATIONS SUPPORT						
Supply Management	600			1		
Consolidated Computational Computer Support						
Information Systems and Communications	11,900	26	25	35		
Safety/OSH/Environmental		1	1			
INFRASTRUCTURE						
Physical Security						
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental	600			1		
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations			281		30	
Totals	118,000	456	443	90	32	3

Table 4.2, General Support Resources for all Detachments NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses
(Activity: ONR) (UIC: 00014)

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

Table 4.3, Previous BRAC Impact to General Support Resources for (Activity: ONR) (UIC: 00014)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Personel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/ TD/etc.)						
Comptroller						
Admin	-17,000					
Human Resources						
OPERATIONS SUPPORT						
Supply Management						
Consolidated Computational Computer Support						
Information Systems and Communications						
Safety/OSH/Environmental						
INFRASTRUCTURE						
Physical Security						
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations						
Totals	-17,000					

NOTE: ONR has no personnel reductions due any BRAC recommendations.

page____of 29
UIC 00014

5. Technical Staff Qualifications.

Table 5.1, Technical Staff Education Level for OFFICE OF NAVAL RESEARCH
(Activity: ONR) (UIC: 00014)

Highest Degree Attained	Years of Government and/or Military Service					
	Less than 3 Years	3-10 Years	11-15 Years	16-20 Years	More than 20 Years	Total
Grade School	0	0	0	0	0	0
High School	1	26	16	15	38	96
B.A./B.S	1	10	7	7	15	40
M.A./M.S	0	7	4	4	21	36
Ph.D./ M.D.	5	38	12	15	39	109
Total	7	81	39	41	113	281

Table 5.2, Technical Staff Education Level for all Detachments NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses
(Parent Activity: ONR) (UIC: 00014)

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

Table 5.3, Technical Staff Academic Fields for (Activity: ONR) (UIC: 00014)

Academic field	Number
Physics	22
Chemistry	12
Biology	10
Mathematics/Statistics/ Operations Research	5
Engineering	40
Medical	0
Dental	0
Computer Science	1
Social Science	1
Other Science	33
Non-Science	16
Total	140

Table 5.4, Technical Staff Academic Fields for all Detachments NOT APPLICABLE. ONR Detachments are individually and cumulatively below thresholds for BRAC data call responses
(Parent Activity: ONR) (UIC: 00014)

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

c. Are there unique aspects of the activity's location that help or hinder in the hiring of qualified personnel?
NONE

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.
SEE ATTACHMENT 1, page 1

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.
SEE ATTACHMENT 1, page 25

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.
SEE ATTACHMENT 1, page 32

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.
SEE ATTACHMENT 1, page 35

i. List all patents awarded to the in-house technical staff members of this activity since 1 January 1990.
SEE ATTACHMENT 1, page 37

j. List all patents applied for by the in-house technical staff members of this activity since 1 January 1990.
SEE ATTACHMENT 1, page 39

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?

NOT APPLICABLE. ONR DOES NOT SIGN CRDA'S

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

CRDA - NOT APPLICABLE.

Patent Licenses - SEE ATTACHMENT 1, page 40

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.

NOT APPLICABLE.

FACILITIES AND EQUIPMENT

6. Special Facilities/Equipment Resources. NOT APPLICABLE. ONR HEADQUARTERS AND ALL DETACHMENTS ARE TENANTS IN LEASED COMMERCIAL ADMINISTRATIVE OFFICE SPACE.

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. **NONE**

b. What MILCON projects are currently programmed to be completed by the end of FY1995? For each project provide:

NONE

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.

FY 95 RENOVATION PROJECT IN THE WASHINGTON NAVY YARD TO PROVIDE ADMINISTRATIVE OFFICE SPACE. BRAC PROJECT P-002T

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

ALL LISTED IN TAB A

(3) The identified installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call. **NONE**

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

17,000 SQFT REDUCTION DUE TO BRAC 1993

(5) CWE & planned BOD. **PROGRAMMED AMOUNT $7.1M BENEFICIAL OCCUPANCY IN AUG 97 PER NAVCOMPT LATEST BUDGET. REVISED N4 PLAN IS $9.2M AND AUG 99**

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.

PIER: WASHINGTON NAVY YARD APPROX 8 MI

AIRFIELD: ANDREWS AIR FORCE BASE APPROX 20 MI

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

LOCATION

8. Geographic Location.

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

Yes. ONR's current location in Ballston Towers, Arlington, Virginia is required to support the Joint Directors of Laboratories (JDL) initiative for collocation of the science and technology (S&T) offices of the military Services.

On 30 November 1992, the Deputy Secretary of Defense approved a JDL recommendation that the Army Research Office (ARO) and the Air Force Office of Scientific Research (AFOSR) be relocated to ONR's facility. This decision was based on the following criteria:

- Effective coordination of defense S&T programs, and implementation of the Defense Reliance Program requires collocation of S&T offices;

- Collocation at Ballston can be achieved with minimum cost and disruption, since 78% of personnel are located there, and 90% of the remainder are already involved in relocation. Estimated cost to collocated in Ballston is $400K;

- Sufficient GSA-leased workspace will be available to collocate at rental competitive with similar leased spaces ($23 per square foot, or $3.5M per year for the collocated offices. Space will be available after FY 96 with the relocation of Navy Recruit Command and the Navy Office of Civilian Personnel Management under BRAC III.

- The site is within a few blocks of the National Science Foundation (NSF) and the Advanced Research Projects Agency (ARPA), making Ballston the center for Federal S&T sponsorship activities;

- The site is convenient to public transportation, airports, parking and services.

This collocation initiative has been postponed by inclusion of ONR among agencies scheduled to move into Navy-owned space under BRAC-93. ARO and AFOSR are unwilling to collocate in Navy-owned spaces, since they would lose the advantages of proximity to NSF and ARPA. Moving ONR's location will prevent directed collocation and inhibit synergy with all other S&T sponsors.

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

ONR must be located in close proximity to the Pentagon, with readily accessible government and public transportation for frequent courier travel and liaison meetings.

In addition to Naval customers, however, ONR's mission requires synergy with the scientific and technical community, and with other S&T funding agencies. Such synergy is essential to formulation of an integrated, cost-effective, balanced Department of the Navy S&T program, and to leverage of other agency programs to make best use of the Navy's scarce S&T resources.

Only the Ballston location can provide this synergy. Both NSF and ARPA are located within blocks, and Ballston is a transportation hub easily accessible from both Washington regional airports and the Pentagon.

FEATURES AND CAPABILITIES

9. Computational Facilities.

General computional capabilities at this site include two (2) HP 9000/877 series computer connect to a Local Area Network (LAN) for conducting corporate level operations, i.e., proposal tracking, etc. The HP systems are used as an Oracle Relational Database Management Systems (RDMS) in a distributed client/server computing environment connect via an FDDI ring to a centrally located hub/concentrator. The hub/concentrator is in turn connected to a multiple backbone cabling scheme for connecting the HP systems to the 15 network file servers(each file server is on a separate 10Mbps segment). The network is a 10Base2 Ethernet and the layout is a physical and logical daisy-chain topology. The LAN operating system is LAN Manager2.2 but will be upgrades to Windows NT. Our internet provider is through Suranet. ONR is also linked to the Naval Research Laboratory via a dedicated 56Kb line.

10. Mobilization Responsibility and Capability. NOT APPLICABLE

11. Range Resources. NOT APPLICABLE

QUALITY OF LIFE

ALL QUALITY OF LIFE INFORMATION PROVIDED IS FOR ONR HEADQUARTERS ONLY UNLESS SPECIFIED FOR EACH QUESTION. ONR DETACHMENTS DO NOT HAVE ANY MILITARY MEMBERS ASSIGNED TO THEM AND EACH HAS LESS THAN 25 CIVILIAN PERSONNEL.

12. **Military Housing**

(a) Family Housing: **NOT APPLICABLE**

(b) BEQ: **NOT APPLICABLE**

(c) BOQ: **NOT APPLICABLE**

(d) BOQ/BEQ Housing and Messing. **NOT APPLICABLE**

13. **MWR Facilities. NOT APPLICABLE**

14. **Base Family Support Facilities and Programs. NOT APPLICABLE**

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

City	Distance (Miles)
WASHINGTON DC	0
BALTIMORE MD	50
ANNAPOLIS MD	50

NOTE: ONR is located within the Washington DC metropolitan area. See attachment 1 ONR Detachments, each are located within their respective major metropolitan area.

16. **Standard Rate VHA Data for Cost of Living: ONR HEADQUARTERS ONLY, ONR DETACHMENTS DO NOT HAVE ANY MILITARY MEMBER ASSIGNED TO THEM**

Paygrade	With Dependents	Without Dependents
E1	314.33	175.87
E2	314.33	197.67
E3	304.92	224.68
E4	333.54	232.79
E5	358.43	250.25
E6	401.64	273.41
E7	445.49	309.46
E8	455.86	344.62
E9	444.44	337.38
W1	508.26	386.01
W2	539.96	423.51
W3	539.31	438.40
W4	503.58	446.50
O1E	431.76	320.26
O2E	471.21	375.69
O3E	487.77	412.65
O1	428.21	315.54
O2	411.12	321.34
O3	461.82	388.82
O4	495.17	430.60
O5	472.86	391.05
O6	464.70	384.64
O7	396.88	322.46

17. **Off-base Housing Rental and Purchase**
ONR HQ is a tenant in leased commercial space.

(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	538	301	NOT
Apartment (1-2 Bedroom)	810	518	ABLE
Apartment (3+ Bedroom)	939	850	TO
Single Family Home (3 Bedroom)	1,371	576	OBTAIN
Single Family Home (4+ Bedroom)	1,596	705	
Town House (2 Bedroom)	939	561	
Town House (3+ Bedroom)	1,139	663	
Condominium (2 Bedroom)	875	575	
Condominium (3+ Bedroom)	973	732	

SOURCE: NRL Data Call 5, Washington Metropolitan Area

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

Type Rental	Percent Occupancy Rate
Efficiency	NOT
Apartment (1-2 Bedroom)	ABLE
Apartment (3+ Bedroom)	TO
Single Family Home (3 Bedroom)	OBTAIN
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

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

Type of Home	Median Cost
Single Family Home (3 Bedroom)	169,082
Single Family Home (4+ Bedroom)	184,688
Town House (2 Bedroom)	136,290
Town House (3+ Bedroom)	140,310
Condominium (2 Bedroom)	94,266
Condominium (3+ Bedroom)	95,668

(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	2,995		
February	2,938		
March	3,135		
April	2,991		
May	3,121		
June	3,066		
July	3,146		
August	3,083		
September	3,152		
October	3,145		
November	3,103		
December	2,777		

SOURCE: NRL Data Call 5, Washington Metropolitan Area

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

HOUSING AVAILABILITY

18. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following: NOT APPLICABLE

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

Location	% Employees	Distance (mi)	Time(min)
MONTGOMERY MD	9	25	50
ALEXANDRIA VA	12	10	25
FAIRFAX COUNTY VA	24	15	35
ARLINGTON VA	17	2	10
PRINCE GEORGES MD	12	22	50

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:

QUESTIONS 20A THROUGH 20C ARE NOT APPLICABLE TO ONR DETACHMENTS SINCE THEY ARE AN ALL CIVILIAN OFFICE

(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
Archbiship Carroll HS (DC)	Paro-chial	9 - 12	No	3600-3850	728	97%	School
Washington Internat. School (DC)	Private	Age 3 - Grade 12	No	5K 10,500	1214	100%	School
Lab School of Washington (DC)	Private	K - 12	Note 1	15K 16,200	N/A	85%-90%	School
District of Columbia Schools	Public	Age 4 - Grade 12	Note 2	N/A	675	65%	Note 2
Key School (MD)	Private	Age 4 - Grade 12	No	4K - 8K	1124	95%	School
National Christian Academy (MD)	Paro-chial	Age 3 - Grade 12	Note 3	2006	800	80%	Academy
Broschart School (MD)	Private	Grades 4 - 12	Note 4	23K	N/A	N/A	School
Capitol Christian Academy (MD)	Private	K - 12	Note 5	2893	N/A	N/A	Academy
Landon School (MD)	Private	Grades 3 - 12	No	12K	1220	100%	School
Anne Arundel County (MD)	Public	Pre K - Grade 12	Note 6	N/A	928	34%	Coun. Bd. of Ed

General Note: NRL Data Call 5 for the Washington Metropolitan Area.

NOTE 1: Free-Standing Special Education Facility. For Learning Disabled Students Only.

NOTE 2: Special Education Levels 1 - 7:1. Regular Class; 2. Resource room; 3. Separate class; 4. Public/Private separate class; 5. Public/Private residential facility (like St. Elizabeth's); 6. Hospital or homebound (when student is confined to a non-school environment by a physician, court, welfare board, etc.); and 7. Correctional/Detention facility. Levels 1 - 4 are located in regular schools. Levels 5 - 7 are located wherever the student is as long as he/she is a DC resident (but is not necessarily placed in DC for special needs).

NOTE 3: Educational End-Roads Program. Available to Grades 1 - 5. Assists students with Reading and Language.

NOTE 4: Residential Treatment Center.

NOTE 5: Alpha Omega Program - for slow learners (paced learning).

NOTE 6: Programs mandated by Federal Government under the Individuals with Disabilities Act (IDEA). In addition, students with special needs are categorized into Levels 1 - 5 and receive additional supervision as required.

20. (a) continued.

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/A CT Score	% HS Grad to Higher Educ	Source of Info
Calvery County (MD)	Public	Pre K - Grade 12	Note 6	N/A	893	26%	Cty Supv Acctbly/Testing
Charles County (MD)	Public	Pre K - Grade 12	Note 6	N/A	873	28%	Coun. Bd. of Ed.
Howard County (MD)	Public	Pre K - Grade 12	Note 6	N/A	969	62%	Coun Off of Public Info.
Montgomery County (MD)	Public	Pre K - Grade 12	Note 6	N/A	993	62%	Coun Off of Public Info.
Prince Georges County (MD)	Public	Pre K - Grade 12	Note 6	N/A	793	39%	Cty Off of Public Info.
The Potomac Schools (VA)	Private	Age 4 - Grade 12	No	6550 - 11,635	N/A	100%	School
St. Anne's Belfield (VA)	Private	Age 3 - Grade 12	No	4400 - 7500	1100	99%	School
City of Alexandria (VA)	Public	K - 12	Note 7	N/A	862	70%	City of Alex Off of Comm
City of Falls Church (VA)	Public	K - 12	Note 7	N/A	911	97%	Falls Church Relations
Arlington County (VA)	Public	K - 12	Note 7	N/A	931	89%	Arl Cnty Relations Office
Fairfax County (VA)	Public	K - 12	Note 7	N/A	985	93%	Fairfax Cnty Relations Office
Loudoun County (VA)	Public	K - 12	Note 7	N/A	932	85%	Loudoun Cnty Relations Office
Prince William County (VA)	Public	K - 12	Note 7	N/A	908	87%	PrinceWmCnty Relations Office

General Note: NRL Data Call 5 for the Washington Metropolitan Area.

NOTE 6: Programs mandated by Federal Government under the Individuals with Disabilities Act (IDEA). In addition, students with special needs are categorized into Levels 1 - 5 and receive additional supervision as required.

NOTE 7: Program mandated by Federal Government under the Individuals with Disabilities Act (IDEA).

(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	
American University	Day	No	No	Yes	Yes	Yes
	Night					
Arlington Co Public Sch.*	Day					
	Night	Yes	N/A	N/A	N/A	N/A
Capitol College	Day	No	No	Yes	Yes	No
	Night					
Catholic University	Day	No	No	Yes	Yes	Yes
	Night					
Charles Cty. Com. Col.	Day	No	Yes	Yes	N/A	N/A
	Night					
Computer Learning Ctr.	Day	No	Yes	N/A	N/A	N/A
	Night					
Corcoran School of Art	Day	Day	No	Yes	Yes	No
	Night					
Fairfax Co. Public Sch.*	Day					
	Night	Yes	N/A	N/A	N/A	N/A
Gallaudet College	Day	No	No	No	Yes	Yes
	Night					
Georgetown University	Day	No	No	Yes	Yes	Yes
	Night					
George Mason University	Day	No	No	Yes	Yes	Yes
	Night					

20. (h) Continued

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
George Wash. University	Day	No	No	Yes	Yes	Yes
	Night					
Howard University	Day	No	No	Yes	Yes	Yes
	Night					
Maryland Drafting Ins	Day	No	Yes	N/A	N/A	N/A
	Night					
Mont. Co. Pub. Sch*	Day	Yes	N/A	N/A	N/A	N/A
	Night					
Mount Vernon College	Day	No	No	Yes	Yes	Yes
	Night					
Northern Va Comm Coll.	Day	No	Yes	Yes	No	No
	Night					
Prince Geor Comm Coll.	Day	Yes	Yes	Yes	No	No
	Night					
Prince Geor Public Sch*	Day	Yes	N/A	N/A	N/A	N/A
	Night					
Southeastern University	Day	No	No	Yes	Yes	No
	Night					
Strayer College	Day	No	No	Yes	Yes	Yes
	Night					
TESST Elec/ Comp. Inst.	Day	No	Yes	N/A	N/A	N/A
	Night					

20. (b) Continued

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Trinity College	Day	No	No	Yes	Yes	Yes
	Night					
Univ of MD College Park	Day	No	No	Yes	Yes	Yes
	Night					
Univ of MD College Park	Day	No	No	Yes	Yes	Yes
	Night					
Univ of Dist of Columbia	Day	No	No	Yes	Yes	Yes
	Night					
Univ of Va Grad Ctr.	Day	No	No	No	No	No
	Night					
Virginia Tech Grad Ctr.	Day	No	No	No	No	Yes
	Night					

*List of specific locations within the counties listed above that offer adult high school completion programs: Arlington County - Hoffman-Boston School; Fairfax County - Alexandria Public Schools (all), Bryant Adult Education Center, Tyson-Pimmit Hills Adult Education Center, Woodson Adult Education Center; Montgomery - Bethesda/Chevy Chase High School, Connecticut Park Center, Einstein High School, Gaithersburg High School, Gaithersburg Library, John F. Kennedy High School, Long Branch Library, Montgomery Blair High School, Richard Montgomery High School, Rosemary Hills Elementary School, Rockville Methodist Church, Seneca Valley High School, Wheaton Regional Library; and Prince George's County - Bladensburg Instructional Center, Bladensburg High School, Bowie High School, Crossland High School, Largo High School, Laurel High School and Northwestern High School.

SOURCES: Peterson's Guide to Four-Year Colleges, 1993. Peterson's Guide to Graduate and Professional Programs, 1994. 1993 Northern Virginia Telephone Directory. 1994 District of Columbia Telephone Directory. Arlington County Board of Education. Fairfax County Board of Education. Montgomery County Board of Education. Prince George's County Board of Education. NRL Data Call 5, Washington Metropolitan Area.

(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.
NOT APPLICABLE

21. **Spousal Employment Opportunities.**
NOT APPLICABLE. ONR HQ DOES NOT HAVE A SPOUSE EMPLOYMENT ASSISTANCE OFFICE
Provide the following data on spousal employment opportunities.

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

22. **Medical/Dental.**
NONE REPORTED. SOME DELAYS AT Military FACILITIES DUE TO THE LARGE NUMBER OF SERVICE MEMBERS IN THE AREA , BUT NOT MAJOR PROBLEM.
a. Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

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

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

ONRHQ and Detachments are tenants in commercial leased space.
ONR Detachments are below 25 personnel and are not applicable.
OFF Base information: ONRHQ information is not provided by local authorities to HQONR. Defense Protective Services receives and maintains local statistics.
ON Base information: Except as noted are "0".

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			

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			1
Off Base Personnel - military			
Off Base Personnel - civilian			

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			

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			

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			

TAB A

TECHNICAL OPERATIONS

FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

176

REQUESTS FOR CLARIFICATION
From the Base Structure Analysis Team (BSAT)

Control #: 001
To: Fred Esposito
Fax: (703)696-5383

Activity: CNR
Voice: (703)696-4613

Date sent: 8 SEP 94

CLARIFICATION/CORRECTION REQUESTED for Data Call #5 Question #23
To clarify ambiguities in responses to the above question, please provide the CRIME RATES for your surrounding community or county/township/parrish/city in these three categories: Violent Crime Rate
Property Crime Rate
Drug Crime Rate

Disregard previous format in question #23.
Specify the rate per 100,000 population.
Crime rates are expected to be obtainable from appropriate law enforcement offices.
Data is needed for the activities listed on page 2.

OFFICE OF NAVAL RESEARCH, ARLINGTON, VA
UIC: 00014

LT Christina May
(703) 681-8491

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

Reply: The following crime data applies to the Arlington County area: VIOLENT CRIME RATE = 39
PROPERTY CRIME RATE = 248
DRUG CRIME RATE = 4
Data and Information provided by Arlington County Police Department
From Jan 94 to Aug 94

Name	Code	Commercial Phone #	Date
SHELLIE WALKER, JR.	ONR 93	(703) 696-4226	13 Sep 94

FOR OFFICIAL USE ONLY - BRAC '95 WORKING PAPERS

Encl (1)

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

MARC PELAEZ
NAME (Please type of print)

Signature

CHIEF OF NAVAL RESEARCH
Title

9/16/94
Date

OFFICE OF NAVAL RESEARCH
Activity

ONR HQ
BSAT Request for
Clarification, Control No: 001

DATA CALL

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH

Title

9/16/94

Date

OFFICE OF NAVAL RESEARCH

Activity

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

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

W. A. EARNER

NAME (Please type of print

Signature

Title

9/21/94

Date

ONR HQ
BSAT Request for
Clarification, Control No.: 001

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DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

Activity Name:	**HEADQUARTERS, OFFICE OF NAVAL RESEARCH**
UIC:	**00014**
Major Claimant:	**OFFICE OF NAVAL RESEARCH**

NOTE: Data doesn't include ONR Detachments (Atch 1). ONR Detachments are located in commercially leased space in large metropolitan areas and have between 1 to 20 personnel assigned, only three have more than 10 people.

General Instructions/Background:

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

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

from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.
General Instructions/Background (Continued):

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

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

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

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

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

1. Workforce Data

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

Average Appropriated Fund Civilian Salary Rate:	$63,519

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.a. Salary Rate): DON 1996/1997 Civilian Personnel Budget (8-94)

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

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

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
ALEXANDRIA	VA		51	11.16	7	28
ARLINGTON	VA	3	74	16.85	2	12
FAIRFAX	VA	13	105	25.83	15	40
FALLS CHURCH	VA		30	6.56	7	20
FREDERICKSBURG	VA		5	1.09	60	90
LOUDOUN	VA		8	1.75	35	60
PRINCE WILLIAM	VA		8	1.75	27	45
STAFFORD	VA	1	5	1.31	48	60
ANNE ARUNDEL	MD	2	9	2.41	45	70
MONTGOMERY	MD	1	37	8.31	25	50
PRINCE GEORGE'S	MD	1	50	11.16	22	60
DISTRICT OF COLUMBIA		3	30	7.22	7	25
OTHER	MD/ VA		21	4.60	50	70
	457 =	24	433	= 100%		

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

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

Prince Georges County MD **Montgomery County MD**
St. Marys County MD **Charles County MD**
Prince William County VA **Loudoun County VA**
Fairfax County VA

Source of Data (1.b. 1) & 2) Residence Data): Naval District Washington (NDW) Data Call 65

c. Nearest Metropolitan Area(s). Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base.

City	County	Distance from base (miles)
Washington D.C.	N/A	5
Arlington, VA	Arlington	0
Alexandria, VA	N/A (inside Fairfax county)	7
Herndon, VA Vienna, VA	Fairfax	20 15
Woodbridge, VA Manassas, VA	Prince William	22 25
Chevy Chase, MD	Montgomery	10
Rockville, MD	Montgomery	15
Gaithersburg, MD	Montgomery	20
Silver Spring, MD	Montgomery	8
Bethesda, MD	Montgomery	8

Hyattsville, MD	Prince Georges	7
Ft. Washington, MD	Prince Georges	10
College Park, MD	Prince Georges	8
Bowie, MD	Prince Georges	17
Baltimore, MD	Baltimore	50
Annapolis, MD	Anne Arundel	40

Source of Data (1.c. Metro Areas): Area Maps, NDW Data Call 65

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

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	0	0
20 - 24 Years	1	.24
25 - 34 Years	62	14.32
35 - 44 Years	98	22.63
45 - 54 Years	173	39.95
55 - 64 Years	87	20.09
65 or Older	12	2.77
TOTAL	433	100 %

Source of Data (1.d.) Age Data: DEFENSE CIVILIAN PERSONNEL DATA SYSTEM 7/94

e. Education Level of Civilian Workforce

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

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	0	0
9th through 11th Grade	2	.4
12th Grade or High School Equivalency	96	21.6
1-3 Years of College	80	18
4 Years of College (Bachelors Degree)	59	13
5 or More Years of College (Graduate Work)	206	47
TOTAL	433	100 %

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

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	6
Associate Degree	10
Bachelor Degree	83
Masters Degree	53
Doctorate	119

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.e.1) and 2) Education Level Data): ONR Personnel

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

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

Industry	SIC Codes	No. of Civilians	% of Civilians
1. Agriculture, Forestry & Fishing	01-09		
2. Construction (includes facility maintenance and repair)	15-17		
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34		
3b. Aircraft (includes engines and missiles)	3721 et al		
3c. Ships	3731		
3d. Other Transportation (includes ground vehicles)	various		

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
3e. Other Manufacturing not included in 3a. through 3d.	various		
Sub-Total 3a. through 3e.	20-39		
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40		
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	2	.46
4c. Water Transportation (includes organizational level maintenance)	44		
4d. Air Transportation (includes organizational level maintenance)	45		
4e. Other Transportation Services (includes organizational level maintenance)	47	1	.23
4f. Communications	48	1	.23
4g. Utilities	49		
Sub-Total 4a. through 4g.	40-49		
5. Services	70-89		
5a. Lodging Services	70		
5b. Personal Services (includes laundry and funeral services)	72		
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	55	12.7
5d. Automotive Repair and Services	75		
5e. Other Misc. Repair Services	76		

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
5f. Motion Pictures	78		
5g. Amusement and Recreation Services	79		
5h. Health Services	80		
5i. Legal Services	81	17	3.93
5j. Educational Services	82		
5k. Social Services	83		
5l. Museums	84		
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	174	40.19
5n. Other Misc. Services	89	183	42.26
Sub-Total 5a. through 5n.:	70-89		
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91		
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92		
6c. Public Finance	93		
6d. Environmental Quality and Housing Programs	95		
Sub-Total 6a. through 6d.			
TOTAL		433	100 %

Source of Data (1.f.) Classification By Industry Data): ONR Personnel

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

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

Occupation	Number of Civilian Employees	Percent of Civilian Employees
1. Executive, Administrative and Management	140	32.33
2. Professional Specialty		
2a. Engineers	53	12.24
2b. Architects and Surveyors		
2c. Computer, Mathematical & Operations Research	13	3
2d. Life Scientists	15	3.46
2e. Physical Scientists	78	18
2f. Lawyers and Judges	15	3.46
2g. Social Scientists & Urban Planners		
2h. Social & Recreation Workers		
2i. Religious Workers		
2j. Teachers, Librarians & Counselors		
2k. Health Diagnosing Practitioners (Doctors)		

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Occupation	Number of Civilian Employees	Percent of Civilian Employees
21. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)		
2m. Communications	5	1.15
2n. Visual Arts	3	.69
Sub-Total 2a. through 2n.:	322	74.33
3. Technicians and Related Support		
3a. Health Technologists and Technicians		
3b. Other Technologists	25	5.77
Sub-Total 3a. and 3b.:	25	5.77
4. Administrative Support & Clerical	86	19.9
5. Services		
5a. Protective Services (includes guards, firefighters, police)		
5b. Food Preparation & Service		
5c. Dental/Medical Assistants/Aides		
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)		
Sub-Total 5a. through 5d.		
6. Agricultural, Forestry & Fishing		
7. Mechanics, Installers and Repairers		
8. Construction Trades		
9. Production Occupations		
10. Transportation & Material Moving		

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Occupation	Number of Civilian Employees	Percent of Civilian Employees
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)		
TOTAL	433	100 %

Source of Data (1.g.) Classification By Occupation Data): ONR Personnel

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

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.
8. **Construction Trades.** Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation

workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.

9. **Production Occupations.** Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. **Transportation & Material Moving.** Busdrivers; material moving equipment operators; rail transportation occupations; truckdrivers; water transportation occupations.
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). Entry level jobs not requiring significant training.

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

1. Percentage of Military Employees Who Are Married:	80.0
2. Percentage of Military Spouses Who Work Outside of the Home:	70.0
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	7.1
3b. Employed "On-Base" - Non-Appropriated Fund:	0
3c. Employed "Off-Base" - Federal Employment:	42.9
3d. Employed "Off-Base" - Other Than Federal Employment	50.0

Source of Data (1.h.) Spouse Employment Data): ONR 09M

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

A - Growth can be accommodated with little or no adverse impact to existing community infrastructure and at little or no additional expense.

B - Growth can be accommodated, but will require some investment to improve and/or expand existing community infrastructure.

C - Growth either cannot be accommodated due to physical/environmental limitations or would require substantial investment in community infrastructure improvements.

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

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

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

a. Table A: Ability of the local community to meet the expanded needs of the base. ONRHQ is located in commercial based space in a well developed commercial area, with expand floor space.

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

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreational Activities	A	A	A

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

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

N/A

Source of Data (2.a. 1) & 2) - Local Community Table): **ONR 91 and NDW Data Call 65**

b. Table B: Ability of the region described in the response to question 1.b. (page 3) (taken in the aggregate) to meet the needs of additional employees and their families relocating into the area. ONRHQ is located in commercial based space in a well developed commercial area. NDW data used because NDW Data Call 65 region include ONRHQ.

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

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	A	A
Water Distribution	A	A	A

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Category	20% Increase	50% Increase	100% Increase
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreation Facilities	A	A	A

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

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

N/A

Source of Data (2.b. 1) & 2) - Regional Table): NDW Data Call 65

3. Public Facilities Data:

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

Rental Units: **District of Columbia**
Prince Georges Co.MD-6%, Montgomery Co. MD-6%,
St.Marys Co.MD-4%, Charles Co.MD-3.5%,
Prince William Co. VA-5%, Fairfax Co. VA-3%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Units for Sale: **District of Columbia**
Prince Georges Co. MD-6%, Montgomery Co.MD-6%
St. Marys Co. MD-6%, Charles Co. MD-6%
Prince William Co. VA-6%, Fairfax Co. VA-6%

Source of Data (3.a. Off-Base Housing): NDW Data Call 65

b. **Education.**

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

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Elementary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
District of Columbia	N/A	111	24	25	80000	140000	24-1	***	Yes
City of Alexandria	N/A	12	2	1	9785	***	20-1	***	No
Arlington	Arlington	19	5	3	16899	***	15.5-1	***	Yes
Fairfax	Fairfax	130	23	20	138500	***	25.4-1	***	Yes
Prince Williams	Prince Williams	39	11	8	44722	***	16-1	***	Yes
Montgomery	Montgomery	123	26	21	113429	***	15.3-1	***	Yes
Prince Georges	Prince Georges	118	26	31	113570	***	25.5-1	***	Yes
Anne Arundel	Anne Arundel	76	17	12	68560	***	24-1	***	Yes

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

*** NOTE: The school districts were either unable or unwilling to provide these answers.

Source of Data (3.b.1) Education Table): NDW Data Call 65

2) Are there any on-base "Section 6" Schools? If so, identify number of schools and current enrollment.

NOT APPLICABLE

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (3.b.2) On-Base Schools): ONR 91

3) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names of undergraduate and graduate colleges and universities which offer certificates, Associate, Bachelor or Graduate degrees :

University of the District of Columbia
Georgetown University
Catholic University
Howard University
Mount Vernon College
Wesley Theological University
University of Virginia
Northern Virginia Comm College
George Mason University
University of Maryland
Bowie State University
Univ. of Southern California
Florida Institute of Technology
District of Columbia School of Law
Dominican House of Studies
George Washington Univ
American University
Gallaudet University
Strayer College
Trinity College
Virginia Tech
Averett College
Marymount University
Montgomery College
Columbia Union College
Capitol College
National-Louis Univ.
Corcoran School of Art
DeSales School of Theo.

Source of Data (3.b.3) Colleges): NDW Data Call 65

4) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names and major curriculums of vocational/technical training schools:

Computer Learning Center — **Computer Training**
ATI Career Institute — **Secretarial**
Automation Academy — **Nursing Asst/Aide**
PSI Institute
PTC Career Institute
TESST Electronics — **Electronic Fundamentals**
Maryland Drafting Institute — **Drafting**
National Conservatory of Dramatic Arts
Patricia Stevens Fashion/International Design School
Potomac Academy of Hair Design

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (3.b.4) Vo-tech Training): NDW Data Call 65

c. **Transportation.**

1) Is the activity served by public transportation?

	Yes	No
Bus:	X	
Rail:		X
Subway:	X	
Ferry:		X

Source of Data (3.c.1) Transportation): Metro schedules and maps

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

Union Station, 1st and Massachusetts Ave. N.E. Wash. D.C.
8 Miles

Source of Data (3.c.2) Transportation): Area Map

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

National Airport, Alexandria, Va.
15 Miles

Source of Data (3.c.3) Transportation): Airport Authority Fact Sheet and area maps NDW Data Call 65

4) How many carriers are available at this airport?

14

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (3.c.4) Transportation):Airport Authority Fact Sheet NDW Data Call 65

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

Interstate 66
2 Miles

Source of Data (3.c.5) Transportation): Area Maps

6) Access to Base:

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

Quality of the road network is good and the capacity is adequate for base access.

b) Do access roads transit residential neighborhoods?

Yes

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

No

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

No

Source of Data (3.c.6) Transportation): ONR 91, Area Maps

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

NOT APPLICABLE. **ONR is a tenant in leased commercial space, fire protection provided by Arlington Fire Department.**

Source of Data (3.d. Fire/Hazmat): ONR 91

e. **Police Protection.**

1) What is the level of legislative jurisdiction held by the installation?

NONE

2) If there is more than one level of legislative jurisdiction for installation property, provide a brief narrative description of the areas covered by each level of legislative jurisdiction and whether there are separate agreements for local law enforcement protection.

N/A

3) Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection?

No

4) If agreements exist with more than one local law enforcement entity, provide a brief narrative description of whom the agreement is with and what services are covered.

N/A

5) If military law enforcement officials are routinely augmented by officials of other federal agencies (BLM, Forest Service, etc.), identify any written agreements covering such services and briefly describe the level of support received.

N/A

Source of Data (3.e. 1) - 5) - Police): ONR 91 & 93

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

f. **Utilities.**

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

NOT APPLICABLE. ONR HQ is a tenant in commerically leased space. All utilities are include as part of the lease.

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

No

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

There have been no significant disruptions to utility service during the past five years, however, Virginia Power Company did "rolling black-outs" on their electrical feeders during the winter of 1993. The "rolling black-outs" occurred during January 1994's severe ice storms and cold weather in the local area. The "rolling black-outs" had no effect on activity operations or misssion accomplishment.

Source of Data (3.f. 1) - 3) Utilities): ONR 91

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

Employer	Product/Service	No. of Employees
1. Federal Government (various agencies)	Government	375,000
2. District of Columbia Government	Government	52,900
3. Giant Foods	Supermarkets	16,500
4. Bell Atlantic	Telecommunications	12,000
5. Marriott	Hotels	11,900
6. IBM	Computers	11,600
7. Safeway Stores	Supermarkets	11,500
8. McDonalds	Restaurants	10,800
9. Westinghouse	Elecronic Equipment	10,000
10. Metro Transit Authority	Transit System	8,600

Source of Data (4. Business Profile): NDW Data Call 65

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

   a. Loss of Major Employers:

      None

   b. Introduction of New Businesses/Technologies:

      None

c. Natural Disasters:

None

d. Overall Economic Trends: "The Washington area economy began recovery from the recession in 1992, but the upturn was not the relief that had been hoped for. The pickup here, weak and halting as in the economy nationwide, was not strong enough to restore most of the jobs lost in the slump of 1990 and 1991. Moreover, for the top 100publlic companies in the Washington area- ranked by revenue, or sales- there was no overall increase in business."

Source of Data (5. Other Socio/Econ): The Greater Washington Board of Trade, Washington Post (The Post 200, Martha M. Hamilton article) NDW Data Call 65

6. Other. Identify any contributions of your activity to the local community not discussed elsewhere in this response.

HQNDW have several outreach programs, mainly tutoring at local schools. However, to encourage voluteerism, no reporting is required and no statistics are kept.

Source of Data (6. Other): HQNDW Personal Excellence Program

OFFICE OF NAVAL RESEARCH
(UIC 00014)
LIST OF DETACHMENTS

Detachment	NO. EMP.	UIC	KSF (Leased)	Notes
ONR Atlanta Resident Rep.	13	66020	3.9	GSA-leased Note 1
ONR Boston Resident Rep.	20	62879	8.5	Army-owned Note 1
ONR Chicago Resident Rep.	13	62880	4.3	GSA-leased Note 1
ONR Seattle Resident Rep.	7	63374	3.0	GSA-leased Note 1
ONR La Jolla Resident Rep.	4	66018	.5	Note 3
ONR Berkeley Resident Rep.	3	63373	.5	Notes 1 & 2
ONR Stanford Resident Rep.	1	63375	.8	Notes 1 & 2
ONR Pasadena Resident Rep.	3	47092	1.8	Notes 1 & 2
ONR Monterey Dir./Reg. Mgr.	0	62887	.8	Navy-owned
ONR Austin Resident Rep.	6	66009	1.4	GSA-leased Notes 1 & 2
ONR Columbus Resident Rep.	3	66005	1.8	Notes 1 & 2
ONR Albuq. Resident Rep.	5	68583	.9	Notes 1 & 2
ONR New York Resident Rep.	5	62927	1.5	Notes 1 & 2
	83		29.7	

Note 1 - Net usable square feet is a more accurate quantity to use with leased space. The figures provided in Table 2.6 and above are for space which ONR occupies only.

Atch (1)

LIST OF DETACHMENTS (Cont.)

Note 2 - ONR Resident Representative (ResRep) Detachments will be disestablished and consolidated into five remaining ONR ResRep Detachments in Atlanta, GA; Boston, MA; Chicago, IL; San Diego, CA; and Seattle, WA. Consolidations are to be completed by 30 September 1995.

Note 3 - La Jolla ResRep will be relocated from its current location to new GSA-leased space in San Diego by September 1994.

DATA CALL 65

ONR HQ Incl Detachments

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

MARC PELAEZ
NAME (Please type of print)

Signature

CHIEF OF NAVAL RESEARCH
Title

17 Jan 1994
Date

OFFICE OF NAVAL RESEARCH
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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH

Title

Date

OFFICE OF NAVAL RESEARCH

Activity

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

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

W. A. EARNER

NAME (Please type of print

Signature

8/24/94

Title

Date

DATA CALL 66
INSTALLATION RESOURCES

176

Activity Information:

Activity Name:	Office of Naval Research
UIC:	00014
Host Activity Name (if response is for a tenant activity):	Not Applicable
Host Activity UIC:	Not Applicable

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. NOT APPLICABLE. Since ONR Headquarters does not budget separately for BOS costs, costs for Facility Lease and Communications are included in Table 2 under Other Purchases as defined in the OP-32.**

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)

Activity Name: Office of Naval Research	**UIC:** 00014

Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	0	0	0
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	0	0	0
2. Other Base Operating Support Costs:			
2a. Utilities	0	0	0
2b. Transportation	0	0	0
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	0	0	0
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	0	0
2j. Other (Specify)	0	0	0
2k. Sub-total 2a. through 2j:	0	0	0
3. Grand Total (sum of 1c. and 2k.):	0	0	0

Since ONR Headquarters does not budget separately for BOS costs, costs for Facility Lease and Communications are included in Table 2 under Other Purchases as defined in the OP-32.

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:

Appropriation	Amount ($000)

Not applicable.

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. NOT APPLICABLE. ONR Headquarters is not a DBOF activity.**

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

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: Office of Naval Research		**UIC:** 00014	
Category	**FY 1996 Net Cost From UC/FUND-4 ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)			
1b. Real Property Maintenance (<$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

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

Table 2 - Services/Supplies Cost Data

Activity Name: Office of Naval Research	**UIC:** 00014

Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	1,175
Material and Supplies (including equipment):	0
Industrial Fund Purchases (other DBOF purchases):	0
Transportation:	262
Other Purchases (Contract support, etc.):	8,660
Total:	10,097

Of the $8,660 in Other Purchases, $3,103 is for Facility Lease costs and $1,014 is for Communication costs as defined in the OP-32.

3. Contractor Workyears.

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

Table 3 - Contract Workyears	
Activity Name: Chief of Naval Research	**UIC:** 00014
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	0
Facilities Support:	0
Mission Support:	120
Procurement:	0
Other:*	0
Total Workyears:	120

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

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)):

Based on FY-96 projections, an estimated 120 contract workyears will be transferred to the receiving site.

2) Estimated number of workyears which would be eliminated:

Based on FY-96 projections, no contract workyears will be eliminated.

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):

Based on FY-96 projections, no contract workyears will remain in place.

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. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
Unknown	

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

DATA CALL 66 - ONR HQ

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

MARC PELAEZ
NAME (Please type of print)

CHIEF OF NAVAL RESEARCH
Title

OFFICE OF NAVAL RESEARCH
Activity

Signature

17 Aug 1994
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.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PEDAEZ

NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH

Title

17 Aug 1994

Date

OFFICE OF NAVAL RESEARCH

Activity

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

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

W. A. EARNER

NAME (Please type of print

W A Earner

Signature

Title

8/25/94

Date

66-ONR HQ

DATA CALL 63
FAMILY HOUSING DATA

176

Information on Family Housing is required for use in BRAC-95 return on investment calculations.

Installation Name:	**ONR Arlington VA**
Unit Identification Code (UIC):	**00014**
Major Claimant:	**CNR**

Percentage of Military Families Living On-Base:	**11%**
Number of Vacant Officer Housing Units:	**0**
Number of Vacant Enlisted Housing Units:	**0**
FY 1996 Family Housing Budget ($000):	**8.8**
Total Number of Officer Housing Units:	**2**
Total Number of Enlisted Housing Units:	**0**

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

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

MAJOR CLAIMANT LEVEL

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

Signature

COMMANDER
Title

7/20/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

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

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

W. A. EARNER

NAME (Please type or print)

Signature

Title

7/25/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

ACTIVITY COMMANDER

W.A. Waters, CAPT, CEC, USN
NAME (Please type of print)

Signature

Commanding Officer
Title

7/7/94
Date

NORTHNAVFACENGCOM
Activity

BRAC-95 CERTIFICATION

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

Sandra B. Culbertson
NAME (Please type or print)

Sandra B. Culbertson
Signature

Housing Management Specialist
Title

7/6/94
Date

Division

Housing/Real Estate
Department

NORTHNAVFACENGCOM
Activity

Enclosure (1)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
800 NORTH QUINCY STREET
ARLINGTON, VA 22217-5660

IN REPLY REFER TO

11000
Ser 91/133
19 May 1994

FIRST ENDORSEMENT on NRL ltr 11000 Ser 5000/026 of 21 Apr 94

From: Chief of Naval Research
To: Chief of Naval Operations (CNO (N44))

Subj: BRAC-95 DATA CALL NUMBER THIRTEEN

Ref: (a) BSAT (Labs/Tech Ctrs) ltr of 13 Apr 94

Encl: (1) BRAC Certifications

1. We have reviewed the position of the Naval Research Laboratory and the Base Structure Analysis Team's comments provided in reference (a). Based on this review, we concur with the conclusion by the Naval Research Laboratory that the Laboratory facilities are designed for conducting research and experimentation. They are not designed nor qualified for traditional Test and Evaluation efforts. Also, the infrastructure associated with traditional Test and Evaluation functions is not resident at the Laboratory. Therefore, Data Call Thirteen is not applicable to the Naval Research Laboratory.

2. Enclosure (1) provides the required BRAC certification.

MARC PELAEZ
Rear Admiral, USN

Copy to:
CO, NRL

DEPARTMENT OF THE NAVY
NAVAL RESEARCH LABORATORY
WASHINGTON, D.C. 20375-5320

IN REPLY REFER TO
11000
5000/026
21 APR 1994

From: Commanding Officer, Naval Research Laboratory
To: Base Structure Analysis Team, 4401 Ford Avenue, PO Box 16268, Alexandria, VA 22302
Via: Chief of Naval Research

Subj: BRAC-95 DATA CALL NUMBER THIRTEEN

Ref: (a) CNO ltr 11000 Ser N441/4U594482 of 8 Apr 94

1. Reference (a) requests data in the area of Joint Cross-Service Group Test and Evaluation (T&E). The Naval Research Laboratory has experimental facilities which are utilized in the support of R&D in Electronic Warfare (EW). These facilities of the Naval Research Laboratory's Tactical Electronic Warfare Division provide the Electromagnetic Research Laboratory and the scientific tools required to permit the state-of-the-art of electronic warfare technology to be advanced in response to Navy needs and the Division's role as the Navy's Lead Laboratory for EW exploratory development. This facility contains the specialized tools and lab equipment to support experiments that characterize and quantify the physical phenomena which govern the action of electronic systems, and that when understood can lead to new technologies for future EW systems development programs.

2. These facilities are Navy specific in design and focus on the S&T needs for EW in support of the unique needs of Naval surface forces. The extensive analysis, modeling, measurement and simulation tools provided by these facilities are essential to the ability of researchers to conduct their research. However, these facilities are not validated and accredited through the formal process as appropriate for use as a T&E resource upon which acquisition program decisions can be made. The Electronic Research Laboratory consists of facilities much like those found at a modern, well equipped, university laboratory or a major industrial corporate laboratory. As such, it differs greatly from the facility that would be found in a Naval Warfare Center that focuses on providing engineering support to the Navy's acquisition programs and to specific nomenclatured or production programs and their Test and Evaluation to assess their compliance with specifications, DOD standards, and TEMP requirements.

3. In summary, the Naval Research Laboratory believes that its Electromagnetic Research Laboratory which supports the NRL's R&D program in EW does not fall within the scope of the BRAC-95 Data Call Number Thirteen because it is neither a T&E facility nor is it a facility in the cross-service category. Specifically:

11000
5000/026
21 APR 1994

Subj: BRAC-95 DATA CALL NUMBER THIRTEEN

(a) The facility has been configured for an R&D role vice a production T&E role.

(b) The facility has been specifically designed to handle at-sea scenarios for Navy unique situations and hence is not appropriate as a cross-service resource.

In view of the above and unless otherwise directed, the Naval Research Laboratory will not respond to the BRAC-95 Data Call Number Thirteen.

PAUL G. GAFFNEY, II

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

Rear Admiral, Chief of Naval Research

Title

24 MAY 1994

Date

Office of Naval Research

Activity

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

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

J.B. Greene, Jr.

NAME (Please type of print

Signature

Acting

Title

27 May 1994

Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

ACTIVITY COMMANDER

R.M. CASSIDY
NAME (Please type of print)

COMMANDING OFFICER
Title

NAVAL RESEARCH LABORATORY
Activity

R.M. Cassidy
Signature

5/13/94
Date

DATA CALL #13

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
800 NORTH QUINCY STREET
ARLINGTON, VA 22217-5660

IN REPLY REFER TO
11010
Ser 91/162
20 May 94

From: Chief of Naval Research
To: Chief of Naval Operations (N441)

Subj: BRAC DATA CALLS FOUR AND FIVE

Encl: (1) BRAC-95 Certification Forms
(2) CNR ltr 11010 Ser 91/131 of 13 May 94

1. Enclosure (1) provides the required BRAC certification for enclosure (2) response provided earlier.

2. The ONR point of contact is Mr. Fred Esposito, on (703) 696-4613.

JAMES L. CLINE
By direction

Copy to:
ONR 08
ONR 09C

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
800 NORTH QUINCY STREET
ARLINGTON, VA 22217-5660

IN REPLY REFER TO
11010
Ser 91/131
13 May 1994

From: Chief of Naval Research
To: Chief of Naval Operations (CNO (N44))

Subj: BASE REALIGNMENT AND CLOSURE (BRAC) DATA CALLS FOUR AND FIVE

Ref: (a) CNO ltr 11000 Ser N441/4U594480 of 8 Apr 94 - Data Call Four
(b) CNO ltr 11000 Ser N441/4U594481 of 8 Apr 94 - Data Call Five
(c) BSAT memo of 25 Apr 94

1. References (a) and (b) tasked the Office of Naval Research headquarters (ONR HQ) to provide information to support the BRAC process for evaluation of Laboratories and Technical Centers. ONR HQ is an echelon one organization responsible for the overall management and policy for the Navy's Science and Technology programs; it does not conduct any research/technical work directly nor does ONR HQ consist of any research and development facilities. In response to why ONR HQ was on the list while the Systems Commands were not, reference (c) stated that all technical center/laboratory headquarters commands (i.e., NSWC HQ, NAWC HQ, NUWC HQ and ONR) were sent data calls four and five. This response assumes that ONR HQ is at the same functional level as the various warfare center headquarters listed. ONR HQ is considered equivalent to the major Systems Commands in their oversight of the Warfare Centers. ONR HQ oversees Navy's corporate research laboratory (the Naval Research Laboratory) which is managed on a day-to-day basis by a Commanding Officer (Captain) and Director of Research (SES-6).

2. Based on this analysis, Data Calls four and five do not apply to ONR HQ. Naval Research Laboratory's information will be forwarded after review by ONR HQ.

MARC DELAEZ
Rear Admiral, USN

Copy to:
CNO (N441)

Encl (2)

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

ACTIVITY COMMANDER

SAME AS MAJOR CLAIMANT

NAME (Please type of print)	Signature
Title	Date
Activity	

Encl (1)

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

RADM USN

Title

5/12/94

Date

CHIEF OF NAVAL RESEARCH

Activity

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

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

J. B. Greene, Jr.

NAME (Please type of print

J. B. Greene Jr.

Signature

Acting

Title

27 May 1994

Date

DATA CALL 1: GENERAL INSTALLATION INFORMATION Activity 00014

1. ACTIVITY:

- Name

Official name	*Office of Naval Research*
Acronym(s) used in correspondence	*ONR*
Commonly accepted short title(s)	*ONR*

- Complete Mailing Address

Office of Naval Research
800 North Quincy Street
Arlington, VA 22217-5660

- PLAD: ONR

- PRIMARY UIC: 00014 (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):

68565	ONR-Det Bay St Louis	63374	ONR Seattle \a
62909	ONR EUROPE	66018	ONR La Jolla \a
35997	ONR ASIA	63373	ONR Berkeley \a
33192	NRAC	63375	ONR Stanford \a
64752	Naval Advisor SACLANT	62927	ONR New York \a
	ASW Research Center	66020	ONR Atlanta \a
		62880	ONR Chicago \a
62879	ONR-Det Boston	47092	ONR Pasadena \a
62887	ONR Monterey \a	66009	ONR Austin \a
66005	ONR Columbus \a	68583	ONR Albuquerque \a

\a *These UICs are used for administrative purposes (i.e. material requisition). No billets are assigned to these UICs. The billets are centrally assigned to UIC 62879 ONR Det-Boston.*

Encl(2)

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 ___X___ (check one)

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

- Yes _____ No ___X___ check one)
- Primary Host (current) UIC: _____
- Primary Host (as of 01 Oct 1995) UIC: _____
- Primary Host (as of 01 Oct 2001) UIC: _____

- 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 ___X___ 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
NOT APPLICABLE		

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

Name	UIC Note 1	Location	Host Name	Host UIC
ONR Atlanta Detachment - Resident Representative	66020	Atlanta, GA	GSA leased space	NA
ONR Boston Detachment - Resident Representative	62879	Boston, MA	Army	NA
ONR Chicago Detachment - Resident Representative	62880	Chicago, IL	GSA leased space	NA
ONR Seattle Detachment - Resident Representative	63374	Seattle, WA	GSA leased space	NA
ONR La Jolla Detachment - Resident Representative	66018	La Jolla, CA	University of California, San Diego	NA Note 2
ONR Berkeley Detachment - Resident Representative	63373	Richmond, CA	University of California	NA Note 3
ONR Stanford Detachment - Resident Representative	63375	Stanford, CA	Stanford University	NA Note 3
ONR Pasadena Detachment - Resident Representative	47092	Pasadena, CA	California Institute of Technology	NA Note 3
ONR Monterey Detachment	62887	Monterey, CA	Naval Postgraduate School	62271 Note 3

provide a brief narrative.

Under BRAC 93 ONR, as part of the Navy offices in the National Capitol Region, was directed to be relocated from its current location in leased space to Navy owned space. The current plan by the Naval District of Washington is to move ONR to the Washington Navy Yard. As of this date they have not identified sufficient space in a single facility to accommodate ONR. ONR is scheduled to be moved in 1997 as "backfill" to other BRAC 93 required moves.

The BRAC requirement to relocate ONR from leased space to the Washington Navy Yard is in conflict with the DDR&E approved collocation of the basic research organizations of the three services.

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

Current Missions

- To provide the scientific and technological base that maintains and expands the technological superiority of the Navy and Marine Corps.

- Assess, promote, coordinate, and manage naval basic research, exploratory development, and advanced technology development directed at transitioning new capabilities toward fleet utilization and increased warfare capability. Exploit Science and Technology (S&T) results for their developmental, tactical, or policy implications.

- Provide the Secretary of the Navy and DON Acquisition Executive (NAE) advice on policy matters concerning S&T. Serve as the senior scientific and technical advisor to the NAE.

- Provide policy direction and oversight to the Navy Corporate Laboratory.

- Provide policy, oversight, and executive management for programs funded in the 6.1, 6.2, and 6.3A Research, Development, Test, and Evaluation, Navy (RDT&E,N) funding categories.

- Maintain liaison with the Office of the Chief of Naval Operations regarding research and technology necessary to meet requirements for future fleet operations and capabilities.

- Represent the ASN(RD&A) on matters related to DON S&T programs of interest to OSD, DON, and other Government agencies, institutions, industry, and individuals.

- Provide policy and direction to the patent program of the Navy.

- Acquire and assist science and technology through a contracts and grants program for ONR and the Naval Research Laboratory (NRL). Provide contracting services for other Navy, DOD, and Federal activities.

- Manage the DON Small Business Innovation Research (SBIR) and Manufacturing Technology Programs.

- Oversee the Services' technology base resources, lab expertise and facilities as DON principal to the JDL.

- Identify and formulate proposed Naval Research Advisory Committee (NRAC) efforts as member of Executive Committee reporting to ASN(RD&A).

- Provide policy, oversight, and executive management of the DON's Cooperative Research and Development Agreements (CRADAS) program.

- Serves as the Responsible Office for the Navy RDT&E appropriation.

Projected Missions for FY 2001

- No significant changes anticipated.

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

- All the missions listed in question 7 are unique to ONR.

Projected Unique Missions for FY 2001

- No significant changes anticipated.

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
Assistant Secretary of Navy (RD&A)	48142

- Funding Source	UIC
RDT&E,N Category 6.1/6.2/6.3A/6.5 (0605861N, 0605862N)	NA

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	35 (Note 1)	3 (Note 2)	591 (Note 3)
Tenants (total)	NA	NA	NA

Note 1: Excludes 1 Marine Corps officer on-site, but not ONR HQ rolls.
Note 2: Enlisted include 2 active duty and 1 TAR.
Note 3: Includes 5 Foreign Nationals.

Authorized End Strength Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
Reporting Command	35(Note 4)	2(Note 5)	577 (Note 6)
Tenants (total)	NA	NA	NA

Note 4: Excludes 1 Marine Corps on site but not on ONR rolls.
Note 5: Enlisted includes 1 active duty and 1 TAR.
Note 6: Includes 6 Foreign Nationals.

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.

Title/Name	Office	Fax	Home
- Chief of Naval Research (CNR)			
Rear Admiral Pelaez	(703) 696-4767	(703) 696-4065	(703) 620-0457
- Duty Officer Rotational	(703) 605-8260	N/A	N/A
- Director of Resources (ONR91)			
James Cline	(703) 696-5086	(703) 696-5383	(410) 987-7528
- Special Assistant Fiscal Management (ONR08C)			
Russell Steinbeck	(703) 696-0107	(703) 696-4529	(703) 278-8951

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, end strength as of **30 September 1994**, for all tenants, even if those tenants have also been asked to provide this information on a separate Data Call. (Civilian count shall include Appropriated Fund personnel only.)

- Tenants residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
NOT APPLICABLE				

- Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
NOT APPLICABLE				

- 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
NOT APPLICABLE					

- Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
NOT APPLICABLE					

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.)
NOT APPLICABLE		

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.

Activity 00014

- 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.)

To be provided by the Naval District of Washington.

- 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).

To be provided by the Naval District of Washington.

- 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".)

To be provided by the Naval District of Washington.

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

NOT APPLICABLE

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

RADM MARC Y. E. PELAEZ
NAME (Please type or print)

Signature

CHIEF OF NAVAL RESEARCH
Title

2/23/94
Date

OFFICE OF NAVAL RESEACH
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

RADM MARC Y. E. PELAEZ
NAME (Please type or print)

Signature

CHIEF OF NAVAL RESEARCH
Title

Date 2/23/94

OFFICE OF NAVAL RESEARCH
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)	Signature
Acting	25 FEB 1994
Title	Date

Name	UIC Note 1	Location	Host Name	Host UIC
ONR Austin Detachment - Resident Representative	66009	Austin, TX	GSA leased space	NA Note 3
ONR Columbus Detachment - Resident Representative	66005	Columbus, OH	Ohio State University	NA Note 3
ONR Albuquerque Detachment - Resident Representative	68583	Albuquerque, NM	University of New Mexico	NA Note 3
ONR New York Detachment - Resident Representative	62927	New York City, NY	GSA leased space	NA Note 3
ONR Detachment Bay St Louis	68565	Bay St Louis, MS	NASA, Stennis Space Center	NA
ONR Europe	62909	London, England	Public Service Agency (PSA)	NA
ONR Asia	35997	Tokyo, Japan	Army	NA
Naval Advisor SACLANT ASW Research Center	64752	La Spezia, Italy	NATO	NA

Note 1 - Used for plant property and material requisition.

Note 2 - ONR La Jolla will be relocated from its current location to new GSA leased space in San Diego by September 1994.

Note 3 - ONR Detachments will be disestablished and consolidated with five remaining ONR Detachments in Atlanta GA, Boston MA, Chicago IL, San Diego CA and Seattle WA. Consolidation to be completed by 30 Sept 1995.

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

ATTACHMENT 1

BRAC 1995 QUESTIONS

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.

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Kostoff, R. N. and Eberhart, H. J., "Database Tomography: Applications to Information, Logistics, and Personnel Management", Proceedings: Advanced Information Systems & Technology for Acquisition, Logistics, & Personnel Applications, Williamsburg, VA, to be Published, 1994.
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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.

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"Structure and Properties of Energetic Materials," eds. Donald H. Liebenberg, Ronald W. Armstrong, John J. Gilman, Materials Research Society Symposium Proceedings, Vol 296, Pittsburgh, PA, 1993. ISSN 0272-9172; v. 296 / ISBN 1-55899-191-3.

"Science of Composite Interfaces," R. Brandt, S. Fishman, J. Mundy, Y. Rajapakse, A. Vasudevan and K. Wynne, editors, Elsevier Science Publishers, 1990.

"Diamond Properties and Applications" chapter in Diamond Films and Coatings from the Vapor Phase, Noyes Publications 1993 (Chapt #1).
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M. Lipman. "Extensions of an Algorithm for Computing the Edge-Integrity of Trees," (with K. S.

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M. Lipman. "The Concept of Leverage in Network Vulnerability," (with K. S. Bagga, L. W. Beineke, and R. E. Pippert), Graph Theory, Combinatorics, and Applications, Vol 1, Wiley (1992), pp 29-39.

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A. M. van Tilborg & G. M. Koob. Foundations of Real-Time Computing: Scheduling and Resource Management, Kluwer, 1991.

S. Chipman & A. Meyrowitz. Foundations of Knowledge Acquisition: Cognitive Models of Cognition, Kluwer, 1992.

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"Interfaces in Metal-Ceramic Composites", TMS, 1990.

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Role of Beam Quality in a Free-Electron Laser in the Gain-Focusing Regime (with B. Hafizi) in Advanced Accelerator Concepts Editor: Johnathan S. Wurtele. American Institute of Physics, New York (1992).

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A. Review of Free Electron Laser (with P. Sprangle) in The Physics of Particle Accelerators Editors: Melvin Month and Margaret Dienes. American Institute of Physics, New York. (1992). C. Roberson
Role of Beam Quality in a Free-Electron Laser in the Gain-Focusing Regime (with B. Hafizi) in Advanced Accelerator Concepts Editor: Jonathan S. Wurtele. American Institute of Physics, New York (1992) C. Roberson

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"Ultrasonic Characterization and Mechanics of Interfaces," Rokhlin, S. I., Datta, S. K., and Rajapakse, Y. D. S., Proceedings of Symposium on Interfaces held in November 1993, American Society of Mechanical Engineers, New York, 1993.
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"Impact Response and Elastodynamics of Composites," Mal, A. K., and Rajapakse, Y. D. S., (editors), Proceedings of Symposium held in November 1990, American Society of Mechanical Engineers, New York, 1990.

"Elastic Waves and Ultrasonic Nondestructive Evaluation," Datta, S. K. Achenbach, J. D., and Rajapakse, Y. D. S., (editors), Proceedings of IUTAM Symposium, held July 1989, North-Holland, 1990.

Kostoff, R. N., "Evaluating Federal R&D in the U. S.," in Assessing R&D Impacts: Method and Practice, Bozeman, B. and Melkers, J., Eds. (Kluwer Academic Publishers, Norwell, MA) 1993.
Kostoff, R. N., "Co-Word Analysis," in Assessing R&D Impacts: Method and Practice, Bozeman, B. and Melkers, J., Eds. (Kluwer Academic Publishers, Norwell, MA) 1993.
Kostoff, R. N., "Research Performance Effectiveness and Impact," in Gaynor, G. H. (ed.), Handbook of Technology Management, McGraw-Hill, Inc., to be Published, 1995.

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

Elected to IEEE Fellow grade "For Technical and Managerial Contributions in Neural Networks and Electronic System Reliability," December 1992.
Special award by INNS for service to society and organizing IJCNN, June 1993.

Elected president, Eastern Pacific Oceanic Conference, 1992-1995.

Invited by the United Nations to participate in the UN Development Program - Consultant, Earthquake Engineering and Vibration Problem (1992).
Visiting Scholar invited by the German Science Foundation (1991).
Post Doctoral fellowship from the Science and Technology Agency (STA) of Japan (1989-1990).

Key-Note Speaker, Graduate Students Awards Day Ceremonies, College of Marine Studies, University of Delaware, June 1991.
Associate Editor, Journal of Geophysical Research -- Oceans, 1992-1994.
Guest Editor, Journal of Geophysical Research -- Oceans, Ocean Optics Special Issue, 1994.

Elected Fellow of the Acoustical Society of America, October 1993.

Fellow, American Association for the Advancement of Science (elected Feb 1990).

Elected to "Who is who in Men of Science & Engineering" 1993.

Both laboratory and industry personnel working on tasks under my cognizance have received awards of various types.

Elected to Publications Board of MTS Journal.

Elected Fellow of American Society of Materials, 1992.
Elected Fellow of American Ceramic Society, 1993.

Elected President-Elect of Chemical Society of Washington (1990).

Selected as member of the Advisory Committee to the College of Letters & Sciences, University of Idaho, (1992-5).
Member, Program Committee, Polymer Division, American Chemical Society, 1988 - present.
Senior Polymer Division Representative, Macromolecular Secretariat, 1990 - present.
Member, Gordon Research Conferences Council, 1987 - 1990.
Member, Editorial Advisory Board, Journal of Applied Polymer Science, 1989 - present.
Member, Editorial Advisory Board, Polymers for Advanced Technologies, 1991 - present.
Member, Editorial Advisory Board, Journal of Inorganic and Organometallic Polymers, 1990 - present.
1990 Distinguished Alumni Award of the School of Social and Natural Sciences at the California State University at Los Angeles.
Fellow of the American Physical Society (1993).
Regent's Lecturer - University of California, San Diego 1994.
Frontiers of Physics Lecture (1993) to U. S. Physics Olympiad Team.
Invited Seminars: (since 1991)
Cornell University, October 1991
Naval Research Laboratory, February 1992
North Carolina Polymer Group, February, 1993
Bausch and Lomb Corp, Mar 1993
SUNY Buffalo, Mar 1993
Kyoto Institute of Technology, Kyoto, Japan, June 1993
RIKEN, Tokyo, Japan, June 1993
University of Massachusetts, Lowell, July 1993
University of Nebraska, October, 1993
University of Southern Mississippi, April, 1994
1992 Selected Chairman of 1994 ACS Physical Chemistry Symposium
Invited Papers: (since 1992)
Keynote Lecture, Florida Advanced Materials Conference, Palm Coast, FL, February 1992.
2nd International Conference on Frontiers of Polymers and Advanced Materials, Jakarta, Indonesia, January 1993.
10th Miyazaki International Symposium on Electrical and Optical Properties of Organic Materials, Tokyo, Japan, June 1993.
2nd International Symposium on Polymers for Advanced Technologies, Oxford, UK, September 1993.
The 2nd Asia Pacific Workshop on Intelligent Materials, Wollongong, Australia, December 1993.
3rd Pacific Polymer Conference, Gold Coast, Australia, December 1993.
43rd Society of Polymer Science, Japan, Annual Meeting, Nagoya, May, 1994.
IUPAC International Symposium on Macromolecules, Akron, OH, July 1994.
IUPAC International Symposium on Functional and High Performance Polymer, Taipei, Taiwan, November 1994.

A. J. Sedriks, 1990 Fellow of ASM International.

IEEE Ferroelectrics Committee Certificate of Recognition, 1992
American Ceramic Society, Fellow, 1994.

68426	Ge/GeN Interface Transistor		4,671,845
68485	Silicon Carbide Transistor	734,201	(allowed)
68600	Ge/GaAs Complementary Logic	736,051	
	Atomic Layer Etching		4,756,794
69852	Solid State T. W. Amplifier		4,914,743
70077	YODER NonCoplanar TWDistr Amp		4,947,220
70119	High Power Diamond TW Amp		4,929,986
71431	ALE of Elemental Semicond.	541,990	5,225,366
	ALE Apparatus		
	Methods of Nucleating Solids		H *
	Improved Microwave FET	187,672	H-368*
	Quasi Accumulation Mode FET	770,166	H-411*
	Large Area Diamond		
	Cold Cathodes		
	Semi. Cold Electron Emission Device		(pending)
	Large Area Hetero. Sic wafers		(pending)
	NEA Spark Plug		

Patent 4,982,375, "Acoustic Intensity Probe, "1 Jan 91.
Patent 5,074,324, Method and Apparatus for Reducing Drag and Noise associated with Fluid Flow in a Conduit," 24 Dec 91.
Secrecy Order, Navy Case 72226, "Composite bonding Plate and Shell," 24 Mar 92.
Patent 5,150,414, "Method and Apparatus for Signal Prediction in a Time-Varying Signal System," 22 Sep 92.

Acoustic Velocumeter for Turbulence, June 1992

Methods for Fabricating a Low Dimensionally Electroconductive Article. K. J. Wynne, T. J. Marks, and T. Inabe, U. S. 4,839,112.
Accordion-Like Polymers for Nonlinear Applications. J. D. Stenger-Smith, R. Henry, G. Lindsay, J. Fisher, K. J. Wynne, U. S. 5,247,055.
Organometallic Antimony Compounds Useful in Chemical Vapor Deposition Processes. John C. Pazik. October 1990, US Patent Number 4,960,916.

4,937,833, "Analog frequency modulated laser using magnetostriction"
4,939,041, "Metallic film coatings on amorphous metallic alloys"
4,965,139, "Corrosion resistant metallic glass coatings"
4,996,692, "Laser communication system with wide band magnetostrictive modulation"
5,080,752, "Consolidation of diamond packed powders"
5,176,788, "Method for joining diamond structures"
5,201,964, "Magnetostrictive torque sensor" (also international patent)
5,298,106, "Method for doping single crystal diamond for electronic devices"
"Composite Piezoelectrics Utilizing a Negative Poisson Ratio Polymer," W. A. Smith, United States Patent allowed 2 February 1994, to issue.

Fellow-American Ceramic Society

Elected President-Elect/President/Past-President of Chemical Society of Washington (1990) R. DeMarco
Selected as member of the Advisory Committee to the College of Letters & Sciences, University of Idaho, (1992-5) R. De Marco
Member, Program Committee, Polymer Division, American Chemical Society, 1988 - present.. K. Wynne
Senior Polymer Division Representative, Macromolecular Secretariat, 1990 - present.. K. Wynne
Member, Gordon Research Conferences Council, 1987 - 1990.. K. Wynne
Member, Editorial Advisory Board, *Journal of Applied Polymer Science*, 1989 - present.. K. Wynne
Member, Editorial Advisory Board, *Polymers for Advanced Technologies*, 1991- present.. K. Wynne
Member, Editorial Advisory Board, *Journal of Inorganic and Organometallic Polymers*, 1990 - present.. K. Wynne
1990 Distinguished Alumni Award of the School of Social and Natural Sciences at the California State University at Los Angeles. M. Shlesinger
Fellow of the American Physical Society (1993) M. Shlesinger
Regent's Lecturer - University of California, San Diego 1994 . M. Shlesinger
Frontiers of Physics Lecture (1993) to U. S. Physics Olympiad Team M. Shlesinger
ELECTED to Board of Directors, Triangle Coalition for Science and Technology Education. Logan E. Hargrove
SELECTED to serve on the American Institute of Physics Advisory Committee for Physics Education. Logan E. Hargrove
SELECTED for inclusion of oral history in the Neils Bohr Library of the American Institute of of Physics, for invention of the mode-locked lasers. Logan E. Hargrove
ELECTED Fellow of the American Physical Society. Logan E. Hargrove
ELECTED Fellow of the Acoustical Society of America. Logan E. Hagrove
ELECTED Senior Member of the Institute of Electrical and Electronics Engineers. Logan E. Hargrove

Invited Seminars:

Cornell University, October 1991. K. Wynne
Naval Research Laboratory, February 1992. K. Wynne
North Carolina Polymer Group, February, 1993. K. Wynne
Bausch and Lomb Corp, Mar 1993. K. Wynne
SUNY Buffalo, Mar 1993. K. Wynne
Kyoto Institute of Technology, Kyoto, Japan, June 1993. K. Wynne
RIKEN, Tokyo, Japan, June 1993. K. Wynne
University of Massachusetts, Lowell, July 1993. K. Wynne
University of Nebraska, October, 1993. K. Wynne
University of Southern Mississippi, April, 1994. K. Wynne
1992 Selected Chairman of 1994 ACS Physical Chemistry Symposium. K. Wynne

Invited Papers:

Keynote Lecture, Florida Advanced Materials Conference, Palm Coast, FL, February, 1992. K.

Wynne
2nd International Conference on Frontiers of Polymers and Advanced Materials, Jakarta, Indonesia, January 1993.. K. Wynne
10th Miyazaki International Symposium on Electrical and Optical Properties of Organic Materials, Tokyo, Japan, June 1993.. K. Wynne
2nd International Symposium on Polymers for Advanced Technologies, Oxford, UK, September 1993.. K. Wynne
The 2nd Asia Pacific Workshop on Intelligent Materials, Wollongong, Australia, December, 1993. K. Wynne
3rd Pacific Polymer Conference, Gold Coast, Australia, December 1993.. K. Wynne
43rd Society of Polymer Science, Japan, Annual Meeting, Nagoya, May, 1994.. K. Wynne
IUPAC International Symposium on Macromolecules, Akron, OH, July 1994.. K. Wynne
IUPAC International Symposium on Functional and High Performance Polymer, Taipei, Taiwan, November 1994.. K. Wynne

Yapa D. S. Rajapakse, Board of Directors, Society of Engineering Science, 1992-1994.
Yapa D. S. Rajapakse, Vice-President, Society of Engineering Science, 1994.
Yapa D. S. Rajapakse, President, Society of Engineering Science, 1995.

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

Certificate of Commendation for Special Act, September 1993. PMRS Outstanding Performance Award, 1990, 1991, 1992, 1993.

Office of Naval Research Commendation, October 1990, 1991, and 1993.

PMRS Awards 90, 91, 92, 93.

Performance Management and Recognition System Awards, 1990, 1991, 1992, and 1993.

Department of the Navy - Office of Naval Research Certificate of Commendation for Special Achievement for "His outstanding innovation and impact on the field of Solid State Electronics Research".

PMRS "5" rating each year.

13 Paper Presentation/Publication Awards at NUWC
5 Patent Application Awards
4 Patent Issuance Awards

Navy Superior Civilian Service Award

Naval Post Graduate School Faculty Performance Award, 1991.

Navy Superior Civilian Service Award.

Special Act, 1990

Oustanding Achievement Award for STRAP Project.

CIA Exceptional Performance Cost Award

Certification of Commendation for Special Achievement - 1993.

Certificate of Commendation for Special Achievement, Department of the Navy, Office of Naval Research (Aug 1990).

Outstanding Achievement Award, Department of the Navy, Office of Naval Research (Oct 1990).

Elected a Fellow of the American Psychological Association.

At least one university researcher working on tasks under my cognizance has received an governmental award.

Appointed as member of international committee: The Technical Cooperation Program Panel for Organic Materials (1990-3).
Office of Naval Research, Outstanding Performance Award, March 1992.
1993 Certificate of Commendation
1992 Certificate of Commendation
1991 Outstanding Performance Achievement Award
1990 Patent Award
1990 Oustanding Performance Achievement Award
Navy Meritorious Civilian Service Award 1993.
Patent Award: 1992.
Merit Pay Performance Award, 1990, 1991, 1992, 1993.
1990 Office of the Chief of Naval Research Commendation for Special Achievement in Technical and Scientific Ability.
Outstanding Rating-Performance, Management, Recognition, System 1993
Outstanding Rating-Performance, Management, Recognition, System 1992
Outstanding Rating-Performance, Management, Recognition, System 1991
Outstanding Rating-Performance, Management, Recognition, System 1990
Regent's Lecturer - University of California at San Diego (1994)
Fellow of the American Physical Society (1993)
Naval Undersea Warfare Center (1993) - Plaque honoring contributions to Full Spectrum Signal Processing.
Keynote Speaker: 4th Navy R&D Information Exchange (1993)
Frontiers of Physics Lecturer: US Physics Olympaid Team (1993)
11th Michaelson Lecturer-US Naval Academy (1992)
Invited Lecturer at the APS, ACS, SIAM, IEEE, MRS, SPIE, Neurosciences STATPHYS, and

Gordon conferences
Navy-Superior Civilian Service Award (1991) (Highest award from the Chief of Naval Research
Medal of Valor - City of Rockville (1991).

PMRS Merit Pay Performance/Cash Awards 1990-1993

Best Exploratory Research Development Program, Naval Surface Warfare Center.

Commendation and Award for Outstanding Performance, 1990
Commendation and Award for Outstanding Performance, 1991
Commendation and Award for Outstanding Performance, 1992
Commendation and Award for Outstanding Performance, 1993

Meritorious Executive (1990)

SES Performance Awards (1990, 1991, 1992, 1993).

Appointed as member of international committee: The Technical Cooperation Program Panel for Organic Materials (1990-3) R. De Marco
Regent's Lecturer - University of California at San Diego (1994) M. Shlesinger
Fellow of the American Physical Society (1993) M. Shlesinger
Naval Undersea Warfare Center (1993) - Plaque honoring contributions to Full Spectrum Signal Processing M. Shlesinger
Keynote Speaker: 4th Navy R&D INformation Exchange (1993) M. Shlesinger
Frontiers of Physics Lecturer: US Physics Olympaid Team (1993) M. Shlesinger
11th Michaelson Lecturer- US Naval Academy (1992) M. Shlesinger
Invited Lecturer at the APS, ACS, SIAM, IEEE, MRS, SPIE, Neurosicences STATPHYS, and Gordon conferences M. Shlesinger
Navy-Superior Civilian Serviece Award (1991) (Highest award from the Chief of Naval Research) M. Shlesinger
Medal of Valor - City of Rockville (1991) M. Shlesinger
DESIGNATED in 1990, by CNR as the Navy Science and Technology Advisory for the new Navy Exhibit at the Chicago Museum of Science and Industry which opens in June 1994.
Logan E. Hargrove

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

Patent No. 4,998,156, "Structure for a Complementary-Symmetry COMFET Pair," A. M. Goodman and g. M. Dolny, issued March 5, 1991. (assigned to GE and sold to Harris Corp.)
"Trenched Bipolar Transistor," Application Ser. No. 07/796,553 (A. M. Goodman and M. N. Yoder), Notice of allowance of all claims has been received from the United States Patent Office. Patent will probably be issued in May 1994. (was applied for in November 1991)
Trenched Bipolar Transistor (with AMG)

Methods for Fabricating a Low Dimensionally Electroconductive Article. K. J. Wynne, T. J. Marks, and T. Inabe, U. S. 4,839,112.
Accordion-Like Polymers for Nonlinear Applications. J. D. Stenger-Smith, R. Henry, G. Lindsay, J. Fisher, K. J. Wynne, U.S. 5,247,055.
Organometallic Antimony Compounds Useful in Chemical Vapor Deposition Processes. John C. Pazik. October 1990, US Patent Number 4,960,916.

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

"Active sound Cancellation System for Time-Varying Signals," Navy Case 72228, filed 27 Aug 90.
"Ring Damper," Navy Case 72530, filed 3 Oct 90.
"Composite Bonding Plate and Shell," Navy Case 72226, filed 14 Jan 91.
"Method and Apparatus for Signal Prediction in a Time-Varying Signal system," Navy Case 73072, filed 27 Mar 91.
"Method and Apparatus for Reducing Drag and Noise associated with Fluid Flow in a Conduit," Navy Case 73405, filed 12 Jul 91.

"Real Time Suspended Particle Monitor" filed by NRL, Thomas McKenna, co inventor.

Navy Case #72433, "Vibration damping structural laminate"
Navy Case #74279, "Technique for measuring the thermal conductivity of microscopic graphite fibers".

"Composite Piezoelectrics Utilizing a Negative Poisson Ratio Polymer," W. A. Smith, United States Patent application serial number 07/985,988 filed 4 December 1992.

Title System and Method for Database Tomography

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

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

OFFICE OF NAVAL RESEARCH
ANNUAL PATENT ROYALTY INCOME
ONR Headquarters Only

ONR HEADQUARTERS PATENT LISCENSES	FY-91	FY-92	FY-93	FY-94
ZIMMER				$187,500.00
BECKER MICROBIAL PRODUCTS	$2,500.00	$927.95		$9,459.90
NOVO NORDISK			$3,300.00	$8,533.44
SANDOZ AGRO INC				$27,000.00
TOTAL	$2,500.00	$927.95	$3,300.00	$232,493.34

DATA CALL FIVE ONR HQ

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

MARC PELAEZ
NAME (Please type of print)

Signature

Chief of Naval Research
Title

8/25/94
Date

Office of Naval Research
Activity

DATA CALL FIVE ONR HQ

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

Chief of Naval Research

Title

8/25/94

Date

Office of Naval Research

Activity

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

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

W. A. EARNER

NAME (Please type of print

Signature

Title

9/12/94

Date

(with B. Hafizi) Phys. Rev. Lett. 68, 3539 (1992) C. Roberson
Wavelength and Emittance Requirements in Free- Electron Lasers (with B. Hafizi) IEEE J. Quant. Electronics, QE 27, 2508 (1991) (one of two invited papers in the special issue on free electron lasers.) C. Roberson
Electron-Beam Quality in Free-Electron Lasers (with B. Hafizi) Nucl. Instrum. Methods Phys. Res. Sect. A 296, 477 (1990). C. Roberson
Reply to Comment of Stochastic Pathway to Anomalous Diffusion (M. Shlesinger, J. Klafter and A. Blumen) Physical Review A41, 1158-1159 (1990).
The Noise in Natural Phenomena, (M. Shlesinger, B. West) American Scientist 73, 40-45 (1990).
Levy Walk Approach to anomalous Diffusion (M. Shlesinger, J. Klafter, A. Blumen and G. Zumofen) Physica A168, 637-645 (1990).
Book Review of the Fractal Approach to Heterogeneous Chemistry, Ed. D. Avnir Angewandte Chemie/Advanced Materials Section 2, 434-435 (1990) M. Shlesinger
Book Review of Dynamic Processes in Condensed Matter, Edited by J. Klafter, J. Jortner, and A. Blumen, Journal of Statistical Physics 59, 1089-1090 (1990) M. Shlesinger
The Arrhenius Versus the Vogel Law (M. Shlesinger, J. Bendler) in Correlations and Connectivity: Geometric Aspects of Physics, Chemistry and Biology, Eds H. E. Stanley and N. Ostrowski, NATO Advanced Study Institute (Kluwer Academic Press, Dordrecht, 1990) pp. 161-166.
Fractals in Physics: The Mandelbrot Festschrift, European Scientific Notes 90-06, 83-85 (1990) M. Shlesinger
Lost Choices: Parallelism and Topological Entropy Decrements in Neurobiological aging, in the Ubiquity of Chaos, Ed S. Krasner, (AAAS Publishers, 1990) pp. 35-46. M. Shlesinger

Fractal Time Stochastics in the Glass Transition, M. Shlesinger, J. Bender, in Essays on Classical and Quantum Dynamics: The A. W. Saenz Festschrift Eds. H. "Uberall and J. Ellison (Goron and Breach, 1991) PP. 3-16.
Time Scale Invariance in Transport and Relaxation (M. Shlesinger, H. Scher and J. Bendler) Physics Today (cover story) January 1991, pp. 26-34. Reprinted in Japanese in Parity.
Nonlinearity in the Naval Research Office, Physics Today (letter to the Editor) January 1991, pg. 15. M. Shlesinger
Book Review of Noise in Nonlinear Dynamical Systems, Vols. I-III Edited by F. Moss and P. McClintock, Cambridge University Press Foundations of Physics, 21, No. 2 (1991) M. Shlesinger
Book review of Schroedinger: Life and Thought, by W. Moore, Cambridge University Press, Journal of Statistic Physics 62, 877-878 (1991). M. Shlesinger
Branching in the Lung as a Complex Dimensional Fractal, Physical Review Letters 67, 2106-2109 (1991) M. Shlesinger
Fractal Clusters in the Learning Curve (M. Shlesinger, J. Bendler) Physica A177, 585-588 (1991). The M. E. Fisher Festschrift.
Resonant Neuronal Quasiperiodicty, Period Adding, and 02 Symmetry in the EEG (M. Shlesinger, A. J. Mandell and K. Selz) in Measuring Chaos in the Human Branin, Eds. D. Duke and W. Pritchard (World Scientific Pub., 1991) pp. 136-155.
Comment on Analysis of the Dispersive Diffusion of Atoms in Disordered Solids (M. Shlesinger, J. Klafter) Physical Review Letters 68, 414 (1992)
Defect-Diffusion Model of the Glass Transition as a Mode-coupled Phenomenon (M. Shlesinger,

TAB B

SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

NOT APPLICABLE

TAB C

RANGE RESOURCES

RANGE CAPABILITY FORM

NOT APPLICABLE

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.65 Clothing and Textiles
Life Cycle Work Area	1-3 S&T

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. 0.1 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) 13

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) 580

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.7 Major Range Dev and Operation
Life Cycle Work Area	1-3 S&T

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. 0.3 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) 37

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) 1,745

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.8 Other Subsidiary Sys/Components
Life Cycle Work Area	1-3 S&T

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. 1.4 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) 171

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) 6,996

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.9 Activity Mission and Function Supt
Life Cycle Work Area	1-3 S&T

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. 1.4 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) 171.1

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) 6,476

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TECH BS 11.1 Computers
Life Cycle Work Area	1-3 S&T

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. 4.1 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) 501

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) 20,607

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.2 Software
Life Cycle Work Area	1-3 S&T

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. 5.3 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) 648

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) 26,824

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.3 Communications Networking
Life Cycle Work Area	1-3 S&T

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. 0.8 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) 98

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) 4,122

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11-GENERIC TB 11.4 Electronic Devices
Life Cycle Work Area	1-3 S27

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. 13.7 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) 1,676

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) 69,657

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.5 Materials & Processes
Life Cycle Work Area	1-3 S&T

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. 18.6 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) 2,276

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) 94,038

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.6 Energy Storage
Life Cycle Work Area	1-3 S&T

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. 0.3 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) 37

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) 1,748

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.7 Propulsion and Energy Conversion
Life Cycle Work Area	1-3 S&T

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. 1.0 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) 122

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) 5,106

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.8 Design Automation
Life Cycle Work Area	1-3 S&T

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. 2.2 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) 269

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) 11,035

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.9 Human-System Interfaces
Life Cycle Work Area	1-3 S&T

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. 2.1 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) 257

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) 10,530

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.10 Other Tech Base Programs
Life Cycle Work Area	1-3 S&T

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. 17.7 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) 2,162

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) 89,590

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.2 Aircraft
Life Cycle Work Area	3 Adv Dev

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. 0.3 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) 39

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) 1603

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.3 Surface Ship
Life Cycle Work Area	3 Adv Dev

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. 0.5 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) 62

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) 2,576

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.1 Sonar Systems
Life Cycle Work Area	3 Adv Dev

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. 0.6 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) 73

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) 3,028

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SUEV 5.5 Ocean Surveillance
Life Cycle Work Area	3 Adv Dev

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. 0.9 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) 110

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) 4,543

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.3 Facilities Eng
Life Cycle Work Area	3 Adv Dev

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. 0.2 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) 22

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) 944

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.5 Env'l Description, Pred'n, Effects
Life Cycle Work Area	3 Adv Dev

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. 2.7 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) 335

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) 13,914

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.2 Aircraft
Life Cycle Work Area	4 Engr Mfg Dev

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. 0.2 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) 28

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) 1,157

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.3 Surface Ship
Life Cycle Work Area	4 Eng + Mfg Dev

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. 0.3 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) 37

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) 1,543

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.5 Ocean Surveillance
Life Cycle Work Area	4 Engr Mfg Dev

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. 0.2 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) 28

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) 1,151

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.3 Facilities Eng
Life Cycle Work Area	4 Eng+Mfg Dev

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. 0.2 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) 27

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) 1,157

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.13 Other Ordnance
Life Cycle Work Area	5 RDT&E MGMT SUPPORT

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

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 0.1 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) 13

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) 523

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.5 Env'l Description, Pred'n + Effects
Life Cycle Work Area	5 RDT&E MGMT SUPPORT

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

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 0.9 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) 112

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) 4,651

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.9 Activity Mission + Fcn Support
Life Cycle Work Area	5 RDTE MGMT SUPPORT

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

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 169.9 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) 20,755.9

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) 14,260

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.1 Undersea
Life Cycle Work Area	6 OP SYS DEV

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. 2.3 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) 277

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) 11,516

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.2 Aircraft
Life Cycle Work Area	6 OP SYS DEV

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. 5.0 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) 608

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) 25,114

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. PLATFORMS 1.3 Surface Ship
Life Cycle Work Area	6 OPSYS DEV

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. 3.4 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) 418

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) 17,269

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2, WEAPONS SYS 2.1 Gun Systems
Life Cycle Work Area	6 OP SYS DEV

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. 3.8 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) 465

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) 19,109

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.2 Guided Missiles
Life Cycle Work Area	6 OP SYS DEV

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. 0.1 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) 14

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) 587

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.4 Torpedoes
Life Cycle Work Area	6 OP SYS DEV

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. 01 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) 8

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) 342

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.9 Fire Control
Life Cycle Work Area	6 OP SYS DEV

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. 0.1 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) 16

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) 653

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.11 Weapons Fuzing
Life Cycle Work Area	6 OP SYS DEV

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. 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) 0

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) 215

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. WEAPONS SYS 2.12 Wpns Propulsion
Life Cycle Work Area	6 OP SYS DEV

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. 0.1 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) 18

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) 739

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	3. COMBAT SYS INT 3.4 Multiplatform
Life Cycle Work Area	6 OP SYS DEV

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. 0.6 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) 74

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) 3,100

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.2 Radar Systems
Life Cycle Work Area	6 OP SYS DEV

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. 0.6 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) 75

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) 3,100

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.3 Special Sensors
Life Cycle Work Area	6 OP SYS DEV

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. 0.2 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) 22

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) 900

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.5 Ocean Surveillance
Life Cycle Work Area	6 OP SYS DEV

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. 11.9 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) 1,452

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) 60,198

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.1.4 Wpns Related Training Sys
Life Cycle Work Area	6 OP SYS DEV

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. 1.0 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) 120

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) 5,175

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.5 Env'l Description, Pollu + Effects
Life Cycle Work Area	6 OP SYS DEV

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. 0.1 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) 18

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) 732

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.4 Electronic Devices
Life Cycle Work Area	4 OP SYS DEV

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. 0.7 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) 83

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) 3,449

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	11. GENERIC TB 11.5 Materials + Processes
Life Cycle Work Area	6 OP SYS DEV

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. 1.5 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) 181

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) 7,485

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.

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TAB B

SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

NOT APPLICABLE

TAB C

RANGE RESOURCES

RANGE CAPABILITY FORM

NOT APPLICABLE

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. Platform 1.1 Undersea
Life Cycle Work Area	1 - 3 S&T

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. 9.2 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) 1,128

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) 46,829

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. Platform 1.2 Aircraft
Life Cycle Work Area	1-3 S&T

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. 7.2 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) 878

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) 36,277

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. Platform 1.3 Surface Ship
Life Cycle Work Area	1-3 S&T

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. 13.9 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) 1,694

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) 70,048

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. Platform 1.4 Space Satellites
Life Cycle Work Area	1-3 S&T

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. 0.3 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) 37

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) 1,691

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	1. Platform 1.5 Ground Vehicles
Life Cycle Work Area	1-3 S&T

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. 1.1 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) 135

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) 5,395

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2. Weapons Systems
Life Cycle Work Area	1-3 S&T

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. 2.1 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) 257

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) 10,679

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.1 Gun Systems
Life Cycle Work Area	1-3 S&T

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. 0.5 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) 61

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) 2,510

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.2 Guided Missiles
Life Cycle Work Area	1-3 S&T

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. 4.3 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) 523

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) 21,768

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.4 Torpedoes
Life Cycle Work Area	1-3 S&T

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. 6.2 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) 762

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) 31,430

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.5 Mines
Life Cycle Work Area	1-3 S&T

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. 1.2 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) 146

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) 5,973

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.6 Directed Energy Systems
Life Cycle Work Area	1-3 S&T

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. 1.4 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) 171

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) 7,315

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.7 Explosives
Life Cycle Work Area	1-3 S&T

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. 0.7 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) 85

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) 3,729

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.9 Fire Control
Life Cycle Work Area	1-3 S&T

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. 0.9 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) 106

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) 4,355

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.10 Weapons Data Links
Life Cycle Work Area	1-3 S&T

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. 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) 0

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) 32

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.12 Weapons Propulsion
Life Cycle Work Area	1-3 S&T

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. 4.5 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) 544

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) 22,497

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	2.14 Explosive Ordnance Disposal
Life Cycle Work Area	1-3 S&T

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. 0.8 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) 98

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) 3,950

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	3. COMBAT SYS/INTE. 3.1 Subsurface
Life Cycle Work Area	1-3 S&T

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. 0.6 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) 74

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) 2,980

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	3. COMBAT SYS. INTEG. 32 Air
Life Cycle Work Area	1-3 S&T

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. 0.9 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) 110

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) 4,331

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	3. COMBAT SYS INTG 3.3 Surface
Life Cycle Work Area	1-3 S&T

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. 0.7 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) 85

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) 3,670

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	3. COMBAT SYS INTEG. 3.4 Multiplatform
Life Cycle Work Area	1-3 S&T

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. 1.9 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) 231

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) 9,663

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	4. SPECOPS 4.1 Landing Forces Eq. and System
Life Cycle Work Area	1-3 S&T

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. 0.2 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) 24

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) 870

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	4. SPEC OPS 4.2 Coastal/SpecWar Support
Life Cycle Work Area	1-3 S&T

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. 3.8 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) 465

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) 19,111

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.1 Sonar Systems
Life Cycle Work Area	1-3 S&T

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. 14.7 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) 1,797

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) 74,563

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.2 Radar Systems
Life Cycle Work Area	1-3 S&T

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. 2.1 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) 255

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) 10,603

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.3 Special Sensors
Life Cycle Work Area	1-3 S&T

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. 7.5 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) 919

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) 38,063

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.4 Space Sens/Sv
Life Cycle Work Area	1-3 S&T

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. 5.9 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) 720

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) 29,617

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	5. SENSORS & SURV 5.5 Ocean Surveillance
Life Cycle Work Area	1-3 S&T

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. 28.3 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) 3,456

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) 143,315

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	6. NAVIGATION 6.2 Aircraft Nav. Sys
Life Cycle Work Area	1-3 S&T

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. 0.4 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) 48

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) 1871

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. COMMAND, CONTROL, COMMUNICATIONS & INTEL (C3I)
Life Cycle Work Area	1-3 S&T

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. 1.3 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) 159

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) 6,800

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.1 Submarine
Life Cycle Work Area	1-3 S&T

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. 1.0 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) 122

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) 5,045

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.2 Airborne
Life Cycle Work Area	1-3 S&T

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. 1.5 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) 183

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) 7,236

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.3 Shipboard
Life Cycle Work Area	1-3 Set

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. 1.3 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) 159

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) 6,363

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C 3I 7.4 Land-based
Life Cycle Work Area	1-3 S&T

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. 0.5 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) 61

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) 2,709

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.5 Space Comm'n Systems
Life Cycle Work Area	L-3 S&T

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. 0.8 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) 98

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) 3,884

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.6 Non-tactical data systems
Life Cycle Work Area	1-3 S&T

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. 0.2 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) 24

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) 870

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	7. C3I 7.8 Intelligence Info Systems
Life Cycle Work Area	1-3 S&T

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. 0.1 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) 13

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) 750

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	8. DEF. SYSTEMS 8.2 Countermeasures
Life Cycle Work Area	1-3 S&T

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. 13.8 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) 1,686

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) 69,720

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	8. DEF. SYSTEMS 8.3 Electronic Warfare Systems
Life Cycle Work Area	1-3 S&T

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. 6.6 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) 807

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) 33,380

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	9. STRATEGIC PGMS 9. 1 Navy Strategic Sys.
Life Cycle Work Area	1-3 SLT

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. 0.2 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) 24

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) 870

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.1 Personnel and Training
Life Cycle Work Area	1-3 S&T

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. 1.1 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) 135

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) 5,718

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.1.1 Sub-related Training
Life Cycle Work Area	1-3 S&T

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. 0.2 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) 24

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) 870

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10-1.2 Aircraft-related Training
Life Cycle Work Area	1-3 Sat

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. 1.0 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) 122

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) 5,234

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.1.4 Wpns-related training
Life Cycle Work Area	1-3 S&T

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. 0.2 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) 26

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) 4099

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.1.5 Human Resources R&D
Life Cycle Work Area	1-3 SET

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. 2.6 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) 318

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) 13,304

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.2 Logistics Plan & Implement.
Life Cycle Work Area	1-3 S&T

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. 2.5 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) 305

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) 12,665

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.3 Facilities Engineering
Life Cycle Work Area	1-3 S&T

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. 1.8 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) 219

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) 9,279

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.4 Diving, Salvage & Ocean Eng.
Life Cycle Work Area	1-3 SLT

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. 0.2 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) 24

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) 1,106

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.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10.6 EN MISSION 10.5 Env'l Description, Prediction, Effects
Life Cycle Work Area	1-3 S&T

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. 13.9 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) 1,697

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) 70,398

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.6 Crew Equipment & Life Support
Life Cycle Work Area	1-3 S&T

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. 0.5 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) 61

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) 2,407

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.6.2 Aircraft
Life Cycle Work Area	1-3 S&T

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. 0.1 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) 13

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) 493

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.6.3 Surface Ship
Life Cycle Work Area	1-3 S&T

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. 0.2 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) 24

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) 873

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.

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TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	ONR
Functional Support Area	10. GEN MISSION 10.6.4 Med Research Combat Care
Life Cycle Work Area	1-3 S&T

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. 5.5 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) 672

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) 27,897

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.

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