SCENARIO NO. 2-14-0117-013A
CRANE

DCN 1451

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)

Dr. Ira M. Blatstein
NAME (Please type or print)

Ira M Blatstein
Signature

Technical Director
Title

2/27/95
Date

Naval Surface Warfare Center
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

S. R. Sterner
Signature

G. R. STERNER
Title

Commander
Naval Sea Systems Command

2/27/95
Date

Activity

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

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

C. Geiger
NAME (Please type or print)

C Geiger
Signature

ACTING
Title

3/3/95
Date

NAVAL SURFACE WARFARE CENTER
CRANE DIVISION
SCENARIO NUMBER 2-14-0117-013A
REVISED (2/24/95)

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 purpose 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 the package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

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

ACTIVITY COMMANDER

J. M. CARNEY
NAME (Please type or print)

JM Carney
Signature

COMMANDER
Title

2/24/95
Date

CRANE DIVISION, NSWC
Activity

SCENARIO 2-14-0117-013A

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)

RADM D. P. SARGENT, JR.

NAME (Please type of print

Signature

COMMANDER

Title

1/27/95

Date

NAVAL SURFACE WARFARE CENTER

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print

Signature

G. R. STERNER

Title

Commander

Naval Sea Systems Command

Activity

28 Jan 95

Date

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

2/17/95

Date

SCENARIO 2-14-0117-013A

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

J. M. CARNEY
NAME (Please type of print)

COMMANDER
Title

CRANE DIVISION, NSWC
Activity

JMCarney
Signature

1/27/95
Date

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-0117-013A
Scenario Title:	ALT 2 - SHIPYARDS
Date:	COB 9 DECEMBER 1994

This scenario originally moved Crane's depot workload for ship systems to Norfolk Naval Shipyard. The workload fell in two primary categories:

1. Repair of sophisticated microwave systems and components including: the major shipboard electronic warfare system SLQ-32 & WLR-1; Radar systems SPS 40,48,49, 67; and microwave power tubes from AEGIS SPY radar & fire control, MK-86 fire control, MK 92 fire control, and various radars. The depot workload for this category is 82 workyears.

2. Repair of electronic circuit cards of widely varying complexity from many different systems. The workload for this category is 77 workyears.

The BSAT question of 8 December 94 asked us to redo the scenario to include moving associated Acquisition and In Service engineering with the depot. This impacts primarily the microwave systems category of workload and adds 182 workyears of microwave engineering to the transfer. Therefore, the transfer of a small amount of complex microwave system repair pulls a large engineering capability from Crane and the NSWC.

This alternative scenario imposes both technical and programmatic risk. The engineering capability at Crane provides common support to the commodity group 11B systems and several others. It also represents the Navy's interests in the fragile national microwave industry. Transition of this engineering responsibility to a Naval Shipyard requires establishing a completely new area specialty at the shipyard and thus is technically risky. As well, the predictable, temporary reduction in microwave engineering support at the receiving site creates programmatic risk to existing systems in the fleet and to new procurement such as the AEGIS SPY radar.

Additionally, the transition of the engineering support for the commodity group 11B systems to Norfolk will result in the duplication of those capabilities used to support other systems. The microwave work involved in this scenario is very complex and depends on other very specialized microelectronic circuit and materials test and analysis, and computer programming capabilities at Crane. In fact 40 workyears of specialized support are obtained from collocated capabilities at Crane. Movement to Norfolk would disrupt this very important capability tie.

Another point is that NSWC has total life cycle capability and accountability for microwave engineering. Between Dahlgren, Crane, and Pt Hueneme, research and development through maintenance and in-service engineering is covered. The integration of these capabilities, through the formation of NSWC in BRAC 91, for the first time centralized knowledge, capability, and execution under one command. Significant strides are being made in increasing capability and efficiency, resulting in improved systems and fleet support. This revised scenario threatens that progress.

Finally, the Electronic Warfare work, both depot and engineering, is presently centralized at Crane. Crane is the depot and engineering activity for the major airborne EW system, ALQ-99 and also is the central microwave tube depot and engineering activity for airborne as well as surface microwave tubes. Microwave engineers and technicians are a scarce resource. Decentralizing this very specialized capability will cause inefficiency and loss of capability/knowledge.

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	MR. BOB MATTHEWS
Organization/Code:	CODE 05M, NSWC CRANE
Office Phone Number:	(812) 854-1534 DSN 482-1534
Fax Number:	(812) 854-2649
Home Phone Number:	(812) 295-2798

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table,** e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third column of the table should be used to identify relevant information regarding workload/mission to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95OBOF.SFF

Starting Year : 1996
Final Year : 1997
ROI Year : 1998 (1 Year)

NPV in 2015($K): -29,654
1-Time Cost($K): 2,058

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	-3,000	0	0	-3,000	0
Person	-271	-1,032	-1,531	-1,531	-1,531	-1,531	-7,429	-1,531
Overhd	124	43	-199	-199	-339	-584	-1,155	-584
Moving	133	446	0	0	0	0	579	0
Missio	0	2	2	2	2	2	10	2
Other	1,208	0	0	0	0	0	1,208	0
TOTAL	1,193	-541	-1,729	-4,729	-1,869	-2,114	-9,787	-2,114

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	11	17	0	0	0	0	28
TOT	11	17	0	0	0	0	28
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	29	58	0	0	0	0	87
TOT	29	58	0	0	0	0	87

Summary:

REALIGN NUWC KEYPORT; TRANSFER DEPOT WORKLOAD TO PSNSY
SCENARIO 012
013

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	29	34	0	0	0	0	64	0
Overhd	153	192	103	103	103	103	755	103
Moving	133	446	0	0	0	0	579	0
Missio	0	2	2	2	2	2	10	2
Other	1,208	0	0	0	0	0	1,208	0
TOTAL	1,523	674	105	105	105	105	2,616	105

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	3,000	0	0	3,000	0
Person	301	1,066	1,531	1,531	1,531	1,531	7,493	1,531
Overhd	28	149	302	302	442	687	1,910	687
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	329	1,215	1,833	4,833	1,973	2,218	12,403	2,218

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	42,661	
Civilian Early Retirement	14,767	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	6,264	
Total - Personnel		63,693
Overhead		
Program Planning Support	207,455	
Mothball / Shutdown	0	
Total - Overhead		207,455
Moving		
Civilian Moving	0	
Civilian PPS	230,400	
Military Moving	0	
Freight	23,639	
One-Time Moving Costs	325,000	
Total - Moving		579,039
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,208,000	
Total - Other		1,208,000
Total One-Time Costs		2,058,187
One-Time Savings		
Military Construction Cost Avoidances	3,000,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		3,000,000
Total Net One-Time Costs		-941,812

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC KEYPORT, WA
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	42,661	
Civilian Early Retirement	14,767	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	6,264	
Total - Personnel		63,693
Overhead		
Program Planning Support	207,455	
Mothball / Shutdown	0	
Total - Overhead		207,455
Moving		
Civilian Moving	0	
Civilian PPS	230,400	
Military Moving	0	
Freight	23,639	
One-Time Moving Costs	325,000	
Total - Moving		579,039
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	138,000	
Total - Other		138,000
Total One-Time Costs		988,187
One-Time Savings		
Military Construction Cost Avoidances	3,000,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		3,000,000
Total Net One-Time Costs		-2,011,812

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY PUGET SOUND, WA
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,070,000	
Total - Other		1,070,000
Total One-Time Costs		1,070,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		1,070,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NUWC KEYPORT	0	0	0	-3,000	-3,000
NSY PUGET SOUND	0	0	0	0	0
Totals:	0	0	0	-3,000	-3,000

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DON\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

MilCon for Base: NUWC KEYPORT, WA

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*

Total Construction Cost:	0
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	3,000
TOTAL:	-3,000

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NUWC KEYPORT, WA

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
16	132	0	2,573

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	-7	0	0	0	0	0	-7
Enlisted	-107	0	0	0	0	0	-107
Students	0	0	0	0	0	0	0
Civilians	-561	0	0	0	0	0	-561
TOTAL	-675	0	0	0	0	0	-675

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
9	25	0	2,012

PERSONNEL REALIGNMENTS:
To Base: NSY PUGET SOUND, WA

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	29	58	0	0	0	0	87
TOTAL	29	58	0	0	0	0	87

TOTAL PERSONNEL REALIGNMENTS (Out of NUWC KEYPORT, WA):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	29	58	0	0	0	0	87
TOTAL	29	58	0	0	0	0	87

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	-11	-17	0	0	0	0	-28
TOTAL	-11	-17	0	0	0	0	-28

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
9	25	0	1,897

PERSONNEL SUMMARY FOR: NSY PUGET SOUND, WA

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
619	9,053	0	9,634

PERSONNEL SUMMARY REPORT (COBRA v5.08) - Page 2
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

PERSONNEL REALIGNMENTS:
From Base: NUWC KEYPORT, WA

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	29	58	0	0	0	0	87
TOTAL	29	58	0	0	0	0	87

TOTAL PERSONNEL REALIGNMENTS (Into NSY PUGET SOUND, WA):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	29	58	0	0	0	0	87
TOTAL	29	58	0	0	0	0	87

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
619	9,053	0	9,721

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		29	58	0	0	0	0	87
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		29	58	0	0	0	0	87
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		11	17	0	0	0	0	28
Early Retirement	10.00%	1	2	0	0	0	0	3
Regular Retirement	5.00%	1	1	0	0	0	0	2
Civilian Turnover	15.00%	2	3	0	0	0	0	5
Civs Not Moving (RIFs)*+		1	1	0	0	0	0	2
Priority Placement#	60.00%	6	10	0	0	0	0	16
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		29	58	0	0	0	0	87
Civilians Moving		29	58	0	0	0	0	87
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		1	2	0	0	0	0	3
TOTAL CIVILIAN RIFS		1	1	0	0	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		6	10	0	0	0	0	16
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 2/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC KEYPORT, WA	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		29	58	0	0	0	0	87
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		29	58	0	0	0	0	87
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		11	17	0	0	0	0	28
Early Retirement	10.00%	1	2	0	0	0	0	3
Regular Retirement	5.00%	1	1	0	0	0	0	2
Civilian Turnover	15.00%	2	3	0	0	0	0	5
Civs Not Moving (RIFs)*	6.00%	1	1	0	0	0	0	2
Priority Placement#	60.00%	6	10	0	0	0	0	16
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		1	2	0	0	0	0	3
TOTAL CIVILIAN RIFS		1	1	0	0	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		6	10	0	0	0	0	16
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 3/3
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY PUGET SOUND, WA	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		29	58	0	0	0	0	87
Civilians Moving		29	58	0	0	0	0	87
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	21	21	0	0	0	0	43
Civ Retire	5	10	0	0	0	0	15
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	86	144	0	0	0	0	230
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	7	14	0	0	0	0	22
Freight	2	0	0	0	0	0	2
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	3	3	0	0	0	0	6
OTHER							
Program Plan	118	89	0	0	0	0	207
Shutdown	0	0	0	0	0	0	0
New Hire	0	0	0	0	0	0	0
1-Time Move	37	288	0	0	0	0	325
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	1,208	0	0	0	0	0	1,208
TOTAL ONE-TIME	1,488	570	0	0	0	0	2,058

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DCNE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	34	103	103	103	103	103	548	103
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	2	2	2	2	2	10	2
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	34	105	105	105	105	105	558	105
TOTAL COST	1,523	674	105	105	105	105	2,616	105

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	3,000	0	0	3,000
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	3,000	0	0	3,000

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	28	149	302	302	302	302	1,385	302
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	301	1,066	1,531	1,531	1,531	1,531	7,493	1,531
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	140	385	525	385
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	329	1,215	1,833	1,833	1,973	2,218	9,403	2,218
TOTAL SAVINGS	329	1,215	1,833	4,833	1,973	2,218	12,403	2,218

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	-3,000	0	0	-3,000
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	26	31	0	0	0	0	57
Civ Moving	96	158	0	0	0	0	254
Other	159	380	0	0	0	0	539
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	1,208	0	0	0	0	0	1,208
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,488	570	0	-3,000	0	0	-942

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	6	-46	-199	-199	-199	-199	-837	-199
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	-301	-1,066	-1,531	-1,531	-1,531	-1,531	-7,493	-1,531
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	2	2	2	2	2	10	2
Misc Recur	0	0	0	0	-140	-385	-525	-385
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-295	-1,110	-1,729	-1,729	-1,869	-2,114	-8,845	-2,114
TOTAL NET COST	1,193	-541	-1,729	-4,729	-1,869	-2,114	-9,787	-2,114

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC KEYPORT, WA

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	21	21	0	0	0	0	43
Civ Retire	5	10	0	0	0	0	15
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	86	144	0	0	0	0	230
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	7	14	0	0	0	0	22
Freight	2	0	0	0	0	0	2
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	3	3	0	0	0	0	6
OTHER							
Program Plan	118	89	0	0	0	0	207
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	37	288	0	0	0	0	325
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	138	0	0	0	0	0	138
TOTAL ONE-TIME	418	570	0	0	0	0	988

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC KEYPORT, WA

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	2	2	2	2	2	10	2
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	2	2	2	2	2	10	2
TOTAL COSTS	418	572	2	2	2	2	998	2

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	3,000	0	0	3,000
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	3,000	0	0	3,000

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	28	149	302	302	302	302	1,385	302
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	301	1,066	1,531	1,531	1,531	1,531	7,493	1,531
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	140	385	525	385
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	329	1,215	1,833	1,833	1,973	2,218	9,403	2,218
TOTAL SAVINGS	329	1,215	1,833	4,833	1,973	2,218	12,403	2,218

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC KEYPORT, WA

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	-3,000	0	0	-3,000
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	26	31	0	0	0	0	57
Civ Moving	96	158	0	0	0	0	254
Other	159	380	0	0	0	0	539
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	138	0	0	0	0	0	138
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	418	570	0	-3,000	0	0	-2,012

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	-28	-149	-302	-302	-302	-302	-1,385	-302
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	-301	-1,066	-1,531	-1,531	-1,531	-1,531	-7,493	-1,531
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	2	2	2	2	2	10	2
Misc Recur	0	0	0	0	-140	-385	-525	-385
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-329	-1,213	-1,831	-1,831	-1,971	-2,216	-9,393	-2,216
TOTAL NET COST	89	-643	-1,831	-4,831	-1,971	-2,216	-11,405	-2,216

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY PUGET SOUND, WA

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	1,070	0	0	0	0	0	1,070
TOTAL ONE-TIME	1,070	0	0	0	0	0	1,070

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY PUGET SOUND, WA

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	34	103	103	103	103	103	548	103
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	34	103	103	103	103	103	548	103
TOTAL COSTS	1,104	103	103	103	103	103	1,618	103

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY PUGET SOUND, WA

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	1,070	0	0	0	0	0	1,070
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,070	0	0	0	0	0	1,070

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	34	103	103	103	103	103	548	103
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	34	103	103	103	103	103	548	103
TOTAL NET COST	1,104	103	103	103	103	103	1,618	103

INPUT DATA REPORT (COBRA v5.08)
Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NUWC KEYPORT, WA	Realignment
NSY PUGET SOUND, WA	Realignment

Summary:

REALIGN NUWC KEYPORT; TRANSFER DEPOT WORKLOAD TO PSNSY
SCENARIO 012

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NUWC KEYPORT, WA	NSY PUGET SOUND, WA	12 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC KEYPORT, WA to NSY PUGET SOUND, WA

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	29	58	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	7	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC KEYPORT, WA

Total Officer Employees:	16	RPMA Non-Payroll ($K/Year):	7,420
Total Enlisted Employees:	132	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	13,059
Total Civilian Employees:	2,573	BOS Payroll ($K/Year):	14,990
Mil Families Living On Base:	20.0%	Family Housing ($K/Year):	9
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.17
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,887	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	192	Activity Code:	00253
Enlisted VHA ($/Month):	161		
Per Diem Rate ($/Day):	73	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NSY PUGET SOUND, WA

Total Officer Employees:	619	RPMA Non-Payroll ($K/Year):	13,338
Total Enlisted Employees:	9,053	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	42,276
Total Civilian Employees:	9,634	BOS Payroll ($K/Year):	69,069
Mil Families Living On Base:	20.0%	Family Housing ($K/Year):	103
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.17
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	4,635	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	192	Activity Code:	00251
Enlisted VHA ($/Month):	161		
Per Diem Rate ($/Day):	73	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC KEYPORT, WA

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	138	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	37	288	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	2	2	2	2	2
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	140	385
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	3,000	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Name: NSY PUGET SOUND, WA

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	1,070	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Data As Of 11:05 1'/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
Scenario File : P:\COBRA\DONE\KEY13.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC KEYPORT, WA

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-7	0	0	0	0	0
Enl Force Struc Change:	-107	0	0	0	0	0
Civ Force Struc Change:	-561	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	-11	-17	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 11:05 11/29/1994, Report Created 07:57 02/16/1995

Department : NAVY
Option Package : KEYPT.DEPOT/PSNSY013
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STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

CONSTRUCTION COST AVOIDANCE IS P373 (UPGRADE TO INDUSTRIAL WASTE TREATMENT

PLANT) FOR FY 1999.

NAVAL UNDERSEA WARFARE CENTER DIVISION, KEYPORT

NAVAL UNDERSEA WARFARE CENTER

NUWC

DIVISION KEYPORT, WA

National Quality Improvement Prototype Award

1994 Winner

BRAC 95 SCENARIO DEVELOPMENT DATA CALL 2-14-0117-013

ALT 3 - SHIPYARDS (REVISED SUBMIT)

BRAC-95 CERTIFICATION
SCENARIO DEVELOPMENT DATA CALL
Scenario Number: 2-14-0114-013 (Revised)
Scenario Title: ALT 3 - Shipyards

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) to this attachment 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

Dennis K. Gibbs	Dennis K Gibbs
NAME (Please type or print)	Signature
Commander	1 Dec 94
Title	Date
NUWC DIVISION, KEYPORT	
Activity	

This submittal addresses clarification requested by BSAT FAX dated 28 November 1994. It is the only response to 2-14-0114-013.

SCENARIO DEVELOPMENT DATA CALL SCENARIO NUMBER: 2-14-0117-013
SCENARIO TITLE: ALT 3 - SHIPYARDS
Response to clarification questions posed in BSAT Facsimile dated 28 Nov 1994
This revised submittal supersedes the previous submittal to 2-14-0117-013
This response cancels 2-14-0117-013A

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

NEXT ECHELON LEVEL (if applicable)

EARLE L. MESSERE
NAME (Please type or print)

Earle L. Messere
Signature

TECHNICAL DIRECTOR
Title

1 DECEMBER 1994
Date

NAVAL UNDERSEA WARFARE CENTER
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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

G R Sterner
Signature

Commander
Naval Sea Systems Command
Title

12-29-94
Date

Activity

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

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

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

W Earner
Signature

Title

1/19/95
Date

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
EXECUTIVE SUMMARY

Scenario No.:	2-14-0117-013
Scenario Title:	ALT 3 - Shipyards (Revised)
Date:	1300 EST 1 December 1994

NUWC Division Keyport, winner of the 1994 Quality Improvement Prototype Award, submits this REVISED scenario response as a "best value" approach to the BSAT provided scenario.

This response is submitted as a revision and replacement of the two (identical) responses 2-14-0114-012 and 2-14-0117-013, which were previously forwarded. This scenario also supersedes and cancels the two alternative scenarios (2-14-0114-012A and 2-14-0117-013A) previously submitted by NUWC Division Keyport. This submittal addresses clarification requested by BSAT fax dated 28 November 1994.

The original scenario constrained the response to depot maintenance workload (excluding the weapon, ordnance, and propellant) reported in Data Call #14 for Sea Systems (Ships & Weapons) commodities. This REVISED scenario response expands the scope based on NUWC Division, Keyport's working knowledge of existing capabilities and excess capacities at Puget Sound Naval Shipyard (PSNS). This is a mutual understanding, gained through recent cooperative industrial planning for workload consolidation, redistribution, and outsourcing decisions that led to more than $7 million in scope reduction savings for the Regional Plating MILCONs and through ongoing mutual PACNORWEST Regional Maintenance Center initiatives. This revision proposes the transfer to PSNS of duplicative industrial workload and similar industrial functions which, although not all a part of NUWC Division, Keyport's BRAC Data Call #14 (weapons and combat systems) depot workload, are a close fit with present capabilities and excess capacities at PSNS.

This REVISED scenario involves a complete vertical elimination and transfer of both industrial combat systems console depot refurbishment capability (from Data Call #14), as well as general manufacturing, fabrication, and preparation of parts and components for undersea warfare systems. These manufacturing functions constitute an industrial capability which has been employed to produce items for prototype, vendor "bail-out" and "last source" manufacture requirements. PSNS has similar capabilities which, together with minimal equipment moves and limited personnel transfers, can satisfy these requirements. Specific work proposed for transfer includes machining, welding, painting, sheet metal fabrication, and heat treating of metals, as well as shipboard combat systems console depot refurbishment. This proposal represents elimination or transfer of 82 percent (115 workyears) of NUWC Division, Keyport's planned industrial workload capability in FY 2001. The remaining 25 workyears are required to support core torpedo depot maintenance, range, test and evaluation functions.

1994 Winner

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
EXECUTIVE SUMMARY

This revision offers best value to the Navy based on the following points:

- This REVISED scenario eliminates duplicate Warfare Center industrial capabilities and functions which are clearly consistent with the excess capacities that exist in the shipyard community.
- This REVISED scenario involves a reduction and consolidation of personnel and facilities, rather than a replication of capabilities.
- This REVISED scenario is consistent with maintenance workload distribution initiatives of the Pacific Northwest Regional Maintenance Center (e.g., heavy industrial work is fully expected to be concentrated at PSNS, and computer automated electronics test and repair work is fully expected to be concentrated at NUWC Division, Keyport). This categorization of functional assignments precludes having to replicate $14 million in automated electronic test and repair equipment which is presently shared from the torpedo depot (as compared to the original scenario).
- This REVISED scenario capitalizes upon the proximity of the losing base (Keyport) and the gaining base (PSNS) by sharing expensive combat systems laboratories at Keyport, avoiding $19 million in replication costs (as compared to the original scenario).
- This REVISED scenario does not require major investments in facilities nor MILCON to accommodate the functions being transferred, nor does it require extensive relocation of equipment. Only limited, unique items would be moved. It allows $3M MILCON avoidance in FY 99.
- This REVISED scenario generates recurring missions savings for NUWC Division Keyport by making it possible to vacate space, in turn using it for in-process storage of USW weapons material that is presently being accommodated in leased space.
- This REVISED scenario achieves significant manpower eliminations. Savings that were not attainable in the original scenario.

While the facts certified herein support a decision to implement this alternative, it's important to note that this proposal represents a complete vertical elimination of NUWC Division Keyport's industrial, fabrication and manufacturing capabilities, as well as combat systems console depot refurbishment, not just a horizontal capacity reduction. This manufacturing capability has, for years, provided compelling efficiency and productivity gains through vendor "bail-out" and "last-source" manufacturing, as well as prototyping support to the Warfare Center's research and development mission

National Quality Improvement Prototype Award
1994 Winner

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-0117-013
Scenario Title:	ALT 3 - Shipyards (Revised)
Date:	1300 EST 1 December 1994

This scenario is submitted as a revision and replacement of the two (identical) responses 2-14-0114-012 and 2-14-0117-013, which were previously forwarded. This scenario also supersedes and cancels the two alternative scenarios (2-14-0114-012A and 2-14-0117-013A) previously submitted by NUWC Division Keyport. This scenario is based upon discussions with Captain Moeller of BSAT, and responds to the series of questions posed in BSAT Memorandum dated 28 November 1994. During the period of time since the provided scenario was originally answered, NUWC Division Keyport and Puget Sound Naval Shipyard have worked diligently to resolve issues about equipment and personnel transfers, about facility requirements and about planning timelines. This resulting scenario represents the most economical, low cost option that is attainable to consolidate combat systems console refurbishment depot and general industrial workload away from NUWC Division, Keyport and is consistent with the work function distribution initiatives of the PACNORWEST Regional Maintenance Center.

This scenario capitalizes upon the proximity of the losing base (NUWC Division Keyport) and gaining base (PSNS). It requires PSNS sharing combat systems engineering laboratories at NUWC Division Keyport for post-repair testing, checkout and certification, thereby obviating the need for expensive replication of these systems laboratories. This sharing concept of post-repair effort is feasible due to the close proximity of PSNS to NUWC Division Keyport and would not impair ship schedules nor have high cost impacts. Conversely, if a distant site were assumed as the gaining base, this approach would make it extremely impractical to meet ship schedules and would heavily impact repair costs without the expensive ($19 million) replication of laboratory systems to effect on-site post-repair testing and certification at the distant gaining base..

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	Mr. Ron Krell	
Organization/Code:	NUWC Division, Keyport	Code EDD9
Office Phone Number:	Comm: (206) 396-2981	DSN: 744-2981
Fax Number:	(206) 396-7800	
Home Phone Number:	(206) 779-3620	

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table**, e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call.

The third column of the table should be used to identify relevant information regarding workload/missions to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload/Missions Transferring
NUWC Division, Keyport	Puget Sound Naval Shipyard	Industrial Workload

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

As the Navy's Finalist and Winner of the Federal Quality Institute's prestigious 1994 National Quality Improvement Prototype Award, NUWC Division, Keyport is widely recognized as an organization that is among the very best in government.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Complete a separate Enclosure (2) - Losing Base Questions for each "losing" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F. Enter the Losing Base name in the block below:

Losing Base:	Naval Undersea Warfare Center Division, Keyport

The first five tables in this enclosure will be used to identify the movement and/or elimination of military billets and civilian positions. Data entered in Tables 2-B and 2-C will be transferred to Table 2-D and will be used to reconcile manpower totals at the losing base. The entire losing base workforce as shown on the annotated copy of the Base Loading Data Attachment must be accounted for in the Table 2-D reconciliation.

General Note on Tables 2-A and 2-B. A separate copy of both of these two tables must be completed for each pair of activities between which transfers of personnel, equipment or vehicles will occur. That is, a single enclosure (1) response may require multiple copies of tables 2-A and 2-B. For example, if the scenario involves the closure of NAVSTA A and relocation of personnel to NAVSTA B and NAVSTA C, then two tables will be completed, one for transfers from NAVSTA A to NAVSTA B and one for transfers from NAVSTA A to NAVSTA C. Note that for purposes of completing these tables, Losing Bases and Gaining Bases are defined as a host activity, independent activity or other activity specifically identified in the data call tasking. Separate tables will not be prepared for individual tenant activities, instead, tenant numbers will be incorporated into the table for the Losing Base. Be certain to identify the name of both the gaining and losing base. Make additional copies of these two tables as necessary.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data. Please review the Base Loading Data Attachment and annotate any corrections, as necessary. Using the data contained in the Base Loading Data Attachment, complete the table on the next page. For both the host and tenant activities, identify, by UIC, the number of billets/positions being relocated to the identified receiving site. Each UIC shown as a separate line on the Base Loading Data Attachment must be separately listed in Table 2-A. Drilling reservists will not be included in officer and enlisted billet fields. Military students must be separately distinguished from officer and enlisted billets in COBRA. The Base Loading Data Attachment includes an identification of military students. Annotate the Base Loading Data Attachment to identify any additional students not currently shown, and include these corrected numbers in Table 2-A. Numbers of students are expressed as the estimated "Average On-Board" (AOB) which would be trained at the losing base in FY 2001 if a closure/realignment did not occur. Non-DON tenants must also be reviewed and a determination made as to whether the organization will be relocated. Relocating non-DON tenants must be included in the number of billets/positions identified as being transferred (and manpower totals adjusted accordingly). Disposition of tenant and reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: Naval Undersea Warfare Center Division, Keyport

To Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00253	NUWC DIV KEYPORT, WA	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N32586	BRMEDCL DET KEYPORT	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N32586	NAVAL REGIONAL MEDICAL	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
M00000	MCSF CADRE NUWES KEYPORT	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N47619	NAVUSEAWAR CENDIV KPT	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N48519	NAVUSEAWAR ENGSTA FMS TRG	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N40856	NUWC DIV DET YTT 10	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N40867	NUWC DIV DET YTT 11	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N20501	NUWC DIV DET YTT 12	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N40829	NUWC DIV DET YTT 9	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
00253	NUWC KEYPORT	Officer							
		Enlisted							
		Civilian	29	58					87
		Mil Stu							
N30041	NUWES SERCRAFT RANGE KYPT	Officer							
		Enlisted							
		Civilian							
		Mil Stu							

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data (Continued)

From Losing Base: Naval Undersea Warfare Center Division, Keyport

To Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
66001	NRAD	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
45507	NANOOSE RANGE	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
52861	K/B DOCKS	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N68951	NAVUNSEAWAR CEN DET ARCTIC	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N35266	NAVUNSEAWAR CEN DET HAWAII	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N41869	NAVUNSEAWAR CEN DET	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N42039	NAVUNSEAWAR CEN DET SAN	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N68951	CAPE PRINCE OF WALES FIELD	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
N00253	NAVAL UNDERSEA WARFARE	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
D HQ 00103	DEFENSE FINANCIAL AND	Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer							
		Enlisted							
		Civilian	29	58					87
		Mil Stu							

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-B: Disposition of Personnel and Equipment - Summary. Complete the table on the next page to summarize the transfer of equipment and personnel. Personnel numbers must match summary data shown in Table 2-A. Remember that, as with Table 2-A, a separate Table 2-B must be completed for each combination of losing/gaining bases. The following explanatory information is provided.

a. Disposition of Personnel. Transfer the summary relocation data shown at the bottom of the corresponding Table 2-A.

b. Disposition of Equipment. Identify the transfer of equipment and vehicles from one activity to another. **Do not include equipment which will be excessed.** The following explanatory notes are provided:

Mission and Support Equipment: The terms "Mission" and "Support" are provided as broad general terms to distinguish between the types of equipment which will be shipped. In terms of the COBRA moving algorithms, whether equipment is listed under "Mission" or "Support" is irrelevant. Consequently, more attention should be given to identifying the total number of tons which will need to be shipped, rather than spending too much time refining the breakout of mission vs. support equipment. Note that these figures should not include administrative equipment, which is already included in COBRA algorithms at the rate of 710 pounds per military billet or civilian position being relocated.

Light Vehicles: Light vehicles are defined as vehicles that will be **driven** to the new location.

Heavy Vehicles: Heavy vehicles are defined as vehicles which will be **shipped** to the new location.

Remember to complete the "Supporting Data" section which immediately follows the table.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-B: Disposition of Personnel and Equipment - Summary

From Losing Base: Naval Undersea Warfare Center Division, Keyport							
To Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA							
	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0					0
Enlisted Billets	0	0					0
Civilian Positions	29	58					87
Military Students	0	0					0
Tons of Mission Equipment	29	255					284
Tons of Support Equipment	0	0					0
Number of Light Vehicles	0	0					0
Number of Heavy Vehicles	0	0					0

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Supporting Data for Table 2-B

Tonnage of mission equipment includes specialized industrial equipment, fixtures, and toolings as described below.

Type of Equipment/Vehicles	Rationale for Relocating
Electron Beam Welder (22 tons)	Required to sustain NUWC Division, Keyport's current capability for low distortion, thick section weldment of USW components. PSNS currently does not have similar capabilities.
Water Jet Cutter (7 tons)	Required to sustain NUWC Division, Keyport's current capability for high precision cutting of numerous metal and non-metal substrates. The unit will replace an aged existing unit at PSNS which requires excessive maintenance and cannot meet projected USW workload.

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Enclosure (2) - LOSING BASE QUESTIONS

Type of Equipment/Vehicles	Rationale for Relocating
Heat Treat Furnaces (46 tons)	Required to sustain NUWC Division, Keyport's capability to perform a necessary spectrum of heat treating processes on aluminum and special alloy USW components. PSNS currently does not have the equipment required to perform these processes.
Unique Combat Systems test equipment (8 tons) and repair spares material (201 tons)	Minimal test equipment required to perform unit and assembly level testing. Repair spares material required to be on hand to accomplish refurbishment within scheduled turn-around times. The value of this material will be capitalized to the gaining activity. - 5851 Line items at 2.7 cubic feet per line item divided by 78.4 cubic feet per measurement ton yields 201 tons

Table 2-C: Eliminated Billets/Positions

Using the Base Loading Data Attachment, identify, by UIC, for both the host and tenant activities, the number of military billets and/or civilian positions which will be eliminated as a result of the closure/realignment scenario. For each UIC on the Base Loading Data Attachment where military billets and/or civilian positions will be eliminated, make a separate entry on Table 2-C. Identify the number of Officer Billets, Enlisted Billets and/or Civilian Positions which will be eliminated in each Fiscal Year. Note that for a total closure scenario, the total number of billets/positions moved plus those eliminated must equal the entire workforce at the activity as of the end of FY 2001 as shown on Base Loading Data Attachment. Numbers entered here should reflect a thorough review of staffing requirements at both the losing and receiving sites, and include **all** potential job eliminations which would result from consolidation efficiencies, economies of scale, etc. Reductions should reflect both overhead/support eliminations and direct labor eliminations, as appropriate. Eliminations should be entered in the year(s) in which they are expected to occur, for example, if 80 civilian positions will be eliminated in FY 2000 and an additional 50 positions will be eliminated in FY 2001, then enter the data as follows: FY 1996 - 1999 = 0, FY 2000 = 80, FY 2001 = 50, Total = 130. **Do not identify any of the following as eliminated billets/positions in Table 2-C:**

- Planned Force Structure Reductions (FY 1996 through 2001).
- Military Students.
- Non-DON tenants.

Drilling reservists should also not be included in numbers of eliminated billets. Disposition of any tenant or reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-C: Eliminated Billets/Positions

Losing Base Name: Naval Undersea Warfare Center Division, Keyport

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00253	NUWC DIV KEYPORT, WA	Officer							
		Enlisted							
		Civilian							
N32586	BRMEDCL DET KEYPORT	Officer							
		Enlisted							
		Civilian							
N32586	NAVAL REGIONAL MEDICAL	Officer							
		Enlisted							
		Civilian							
N00000	MCSF CADRE NUWES KEYPORT	Officer							
		Enlisted							
		Civilian							
N47619	NAVUSEAWAR CENDIV KPT	Officer							
		Enlisted							
		Civilian							
N48519	NAVUSEAWAR ENGSTA FMS TRG	Officer							
		Enlisted							
		Civilian							
N40856	NUWC DIV DET YTT 10	Officer							
		Enlisted							
		Civilian							
N40867	NUWC DIV DET YTT 11	Officer							
		Enlisted							
		Civilian							
N20501	NUWC DIV DET YTT 12	Officer							
		Enlisted							
		Civilian							
N40829	NUWC DIV DET YTT 9	Officer							
		Enlisted							
		Civilian							
00253	NUWC KEYPORT	Officer							
		Enlisted							
		Civilian	11	17	0	0	0	0	28
N30041	NUWES SERCRAFT RANGE KYPT	Officer							
		Enlisted							
		Civilian							
66001	NRAD	Officer							
		Enlisted							
		Civilian							
45507	NANOOSE RANGE	Officer							
		Enlisted							
		Civilian							
52861	K/B DOCKS	Officer							
		Enlisted							
		Civilian							
N68951	NAVUNSEAWAR CEN DET ARCTIC	Officer							
		Enlisted							
		Civilian							

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Enclosure (2) - LOSING BASE QUESTIONS

Table 2-C: Eliminated Billets/Positions (Continued)

Losing Base Name: Naval Undersea Warfare Center Division, Keyport									
UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N35266	NAVUNSEAWAR CEN DET HAWAII	Officer							
		Enlisted							
		Civilian							
N41869	NAVUNSEAWAR CEN DET	Officer							
		Enlisted							
		Civilian							
N42039	NAVUNSEAWAR CEN DET SAN	Officer							
		Enlisted							
		Civilian							
N68951	CAPE PRINCE OF WALES FIELD	Officer							
		Enlisted							
		Civilian							
N00253	NAVAL UNDERSEA WARFARE	Officer							
		Enlisted							
		Civilian							
D HQ 00103	DEFENSE FINANCIAL AND	Officer							
		Enlisted							
		Civilian							
	TOTAL	Officer							
		Enlisted							
		Civilian	11	17	0	0	0	0	28

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity with eliminated positions/billets.

Table 2-D: Manpower Reconciliation Data. It is imperative that all manpower is accurately accounted for in the closure/realignment scenario. Using the data from the Base Loading Data Attachment and Tables 2-B and 2-C, complete the "reconciliation" table shown on the next page. Note that Line C of the table should include any changes in manpower resulting from the implementation of prior BRAC actions at the base. These changes should also be annotated on the Base Loading Data Attachment and reflected in Line D of the table, "End FY 2001".

(see next page)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-D: Manpower Reconciliation Data

	Officers	Enlisted	Civilians	Mil Stu	Total
A. Begin FY 1996:	20	133	2,573	0	2,726
B. Force Structure Changes(+/-):	-9	-108	-561	0	-678
C. Prior BRAC Changes (+/-):	-	-	-	-	-
D. End FY 2001:	11	25	2,012	0	2,048
Moving to (List each Gaining Base):					
1. Puget Sound Naval Shipyard, Bremerton, WA	0	0	87	0	87
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
E. Total Billets/Positions Moving:	0	0	87	0	87
F. Eliminated Billets/Positions:	0	0	28		28
G. Remaining at Losing Base:	11	25	1,897	0	1,933
H. Sum of Lines E, F, and G:	11	25	2,012	0	2,048

Notes: Do not fill in shaded cells. **Double check** your work. **Line H** (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

Table 2-E: Caretaker Requirements (Mothball Scenarios Only). Complete the table below to identify any permanent caretaker requirements associated with a "mothball" (deactivation) scenario. **Caretakers should only be identified if an activity will be mothballed as opposed to closed or realigned.** Scenario data call taskings will identify if this is a "mothball" scenario. This area should not be used to identify temporary caretaker requirements associated with closure of the facility. If some or all of the activity will be mothballed, as opposed to closed or realigned, then identify the number of military and/or civilian caretakers that will be required to remain permanently at the activity. Enter the number of caretakers which will be added to the activity in each year. For example, if 100 caretakers will be required in 1996, and then this number will be increased to 150 in 1997 and out, then enter 1996 = 100, 1997 = 50, leave 1998 through 2001 blank, and enter 150 as the total.

Table 2-E: Caretaker Requirements ("Mothball" Scenarios Only)

Losing Base Name: Naval Undersea Warfare Center Division, Keyport							
	1996	1997	1998	1999	2000	2001	Total
Military Caretakers							N/A
Civilian Caretakers							N/A

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-F: Dynamic Base Information

Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (2-F) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 2-F: Supporting Data:

a. Other One-Time Unique Costs. Identify any other one-time unique costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, lease termination costs, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed separately in item c. below. For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Cost ($K)	FY	Description
1.	$ 238 $ 319	96 97	Employee Transition Center. Provides staff and facilities to assist affected employees with the transitions which would result from this scenario. The costs include salary for a center coordinator and clerical support, employees' transfer allowances, job counseling, office equipment and supplies.
2.	$ 118 $ 116	96 97	BRAC Transition Office. Provides staff and facilities to achieve centralized effective coordination of the transition of the functions, workload, and material which would result from this scenario. The costs include salary for one staff coordinator, clerical support, office equipment and supplies.
3.	$ 100 $ 400	96 97	Removal of Excessed Equipment. Covers costs to properly remove approximately 120 pieces of equipment made excess by this scenario for dispensation to the gaining activity or excessed. Costs include disconnection of utilities, disassembly of major components, and extraction from current facilities.

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Enclosure (2) - LOSING BASE QUESTIONS

	Cost ($K)	FY	Description
4.	$ 25	96	Facility Resource Conservation and Recovery Act Compliance.
	$ 75	97	Localized testing and clean-up of facilities with discontinued or changed operations as a result of this scenario. Provides compliance with RCRA requirements for areas in which operations involve hazardous waste generation, accumulation, and storage.
5.	$ 138	96	Duplicate engineering drawings for combat systems equipment (920,000 aperture cards at $.15/card)

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include net proceeds to DoD resulting from an existing MOU with a state or local government, one-time environmental compliance cost avoidances, etc. This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include Construction Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered under item i. below). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: Naval Undersea Warfare Center Division, Keyport

Cost ($K)	FY	Description
$ 3,000	96	Reutilization and sale of excess industrial equipment
$ 6,000	97	Reutilization and sale of excess industrial equipment

Approximately 120 industrial plant property (class 3 & 4) items, with an estimated replacement value of $15,130K, will be excessed as a result of this scenario. If this scenario is enacted in reality, then the equipment would become available for transfer within DoD or excessed. The undepreciated value of equipment must be capitalized to the gaining activity or funded by BRAC funding should it be excessed. Whatever the disposition of this equipment is determined to be, its net value can not be charged to NUWC Division, Keyport's DBOF account without incurring substantial losses ($9 million). This scenario assumes that the equipment can be reassigned to other activities, thereby allowing them to avoid capital purchase costs and resulting in a savings of about $9 million.

c. One-Time Unique Moving Costs. The COBRA algorithms use standard packing and shipping rates to calculate the cost of transporting equipment and vehicles. Identify here only those unique moving costs associated with movements out of the losing base that would be incurred in addition to standard packing and shipping costs associated with tonnage and vehicles identified in Table 2-B. Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc. If unique costs identified here include packing and shipping costs, then ensure that tonnage for this "unique" equipment is not included under the Mission and Support equipment identified in Table 2-B. For each cost included in the table above, identify the amount, year in which the cost will be incurred, the name of the gaining base and a brief description of the cost.

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Cost ($K)	FY	Gaining Base	Description
1.	$ 40	96	Puget Sound Naval Shipyard	Unique removal and installation requirements for specialized industrial equipment.
2.	$ 100	97	Puget Sound Naval Shipyard	Unique removal and installation requirements for specialized industrial equipment.
3.	$ 188	97	Puget Sound Naval Shipyard	Combat Systems Console Refurbishment Depot equipment removal ($50K) packaging and unpacking ($32K), installation ($34K), equipment restoration, grooming, and calibration ($65K), certification ($7K).

The cost reported in Table 2-F(c) are the costs which will be incurred for teardown, extraction, and start-up of the equipment which must be relocated to PSNS (see supporting data for Table 2-B). The costs reported as one-time Unique Moving Costs are those which are over and above the costs associated with moving common mission/support equipment or bulk material. This revised submit assumes that the value of any plant property, equipment, material, systems and/or inventory relocated to a gaining activity or excessed will be capitalized to the gaining activity, or funded externally and will not result in financial losses to NUWC Division, Keyport's DBOF corpus.

Specific elements of unique costs in lines 1. and 2. above are developed in the following table.

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Enclosure (2) - LOSING BASE QUESTIONS

UNIQUE ONE TIME MOVING COSTS (Lines 1 and 2)

TASK	ESTIMATED COST ($K)
Drain and dispose of water jet cutting residue (approximately 200 gallons at $14.81/gallon for handling/disposal)	3
Disassembly of major machine components, includes in house labor (435 hours at $66/hr)	29
Remove equipment from existing locations (i.e., relocation of secondary equipment, special fixturing and rigging to extract equipment from sub-floor foundations, etc.) Removal of doors/walls where required (total effort is 350 hours at $66/hr).	23
Rigging to move equipment to final location within PSNS (470 hours at $66/hr assuming space, special foundations and access to final location is available).	31
Assembly of equipment and connection of required utilities (510 hours at $66/hr assuming utilities are available).	34
Startup of equipment (i.e., calibration, alignment, test, etc.) (300 hours at $66/hr assuming personnel are knowledgeable of equipment operation/maintenance).	20
TOTAL:	140

d. and e. Changes in Mission Costs. Items d. and e. should be used to identify those changes in mission costs that result from the closure/realignment action, but are not counted elsewhere in this data call response or COBRA algorithms. For example, **do not include** changes in non-payroll Base Operating Support (BOS), Family Housing Operations, housing allowances, CHAMPUS costs/savings, or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms. Examples of items to include here are changes in operating costs due to the transfer of workload to gaining bases, economies of scale, changes in travel requirements, differences in wage grade labor rates or locality pay differentials, changes in the amount of mission work performed on contract, and changes in utility requirements or ADP/telecommunications costs not included in responses provided in Base Operating Support tables of Data Call 66.

For purposes of calculating changes in costs associated with the transfer of mission workload from a losing to a gaining base, the following information is provided below. Calculations should take into consideration both economies of scale and differences in operating costs. Remember, any salary savings resulting from eliminated military billets and/or civilian positions must be identified as a number of billets/positions eliminated in Table 2-C. **Do not include** basic salary and fringe benefit savings associated with billets/ positions identified as eliminated on Table 2-C. Also, **do not identify** changes in the non-payroll BOS Costs (include non-payroll G&A for DBOF activities) reported in Data Call 66.

First, identify economies of scale by examining the historic pattern of how labor, overhead and other costs vary with workload volume (adjust prior year costs for inflation to make them comparable; use statistical tests to determine the type of relationship that exists). The relationship between costs and workload can then be used to estimate changes in labor and overhead rates which result from the projected change in workload. Economies of scale benefits will generally accrue to gaining bases on an incremental basis, as the workload ramps up, and will remain in future years after all workload is transitioned.

Second, calculate resulting changes in operating costs. Changes in operating costs should be calculated by pricing out direct labor manhours of work, using the projected labor and productive overhead rates (which have been adjusted to take into consideration economies of scale resulting from the workload transfer) for both the losing and gaining base. The difference in total costs associated with the workload transition is then identified as the net change in mission costs. Relative differences in the numbers of hours required to complete a project at the losing base and gaining base(s) should be taken into consideration, if identifiable. Also, include contract costs in this analysis, but unless cost changes are identifiable, assume that contract price rates will remain constant.

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Enclosure (2) - LOSING BASE QUESTIONS

If a net change in mission costs is included in the data call response, the response must also include supporting data to show calculations and methodology used to estimate this change in costs. Furthermore, data used in these calculations must be consistent with previously submitted certified data.

d. Net Mission Costs. Complete the following worksheet to identify any net recurring increases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost increase, identify the name of the gaining base where the workload will be transferred (if applicable), cost increases by year and describe the nature of the cost increase. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost increases.

Net Mission Costs (Cost Increases) Worksheet						
Losing Base: Naval Undersea Warfare Center Division, Keyport						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. Puget Sound Naval Shipyard	$617K	$1,850K	$1,665K	$1,499K	$1,349K	$1,214K
Description: Economy of scale and loss of synergy costs at NUWC Division, Keyport						
2. Puget Sound Naval Shipyard	$21K	$65K	$65K	$65K	$65K	$65K
Description: Engineering costs of USW manufacturing at gaining site.						
3. Puget Sound Naval Shipyard		$2K	$2K	$2K	$2K	$2K
Description: In-system test conducted at NUWC Division, Keyport						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

1. Cost increases are expected to materialize as a result of reduced economy of scale and inelastic operating costs. For this Data Call, the methodology utilized for estimating this increase in cost was predicated on correlation of cost per workyear to workload. Five year history data were adjusted for inflation to make them comparable. Modeling of this correlation demonstrates the trend of cost performance as workload (in terms of workyears) varies.

In this situation, cost performance decreases as workload is reduced at the losing activity. While some costs tend to vary with workload, per unit fixed cost increases. The assessment tool

involved demonstrating Y (cost per workyear) as a function of X (workload expressed in workyears). The slope of this function was demonstrated to be negative 8.48384. This was determined to be a representative rate of change along a range of workload. A 115 workyear change results in an increased cost of about $975 per workyear (8.48384 x 115 = $975), in this case about a one percent increase in workyear costs. Applying this increased cost per workyear to the 1,897 billets remaining at NUWC Division, Keyport yields an annual recurring cost of approximately $1,850K. Management action and productivity improvements are expected to yield savings which will reduce these costs by approximately 10% annually in subsequent years. The resulting net cost is depicted in the table above.

2. The engineering costs associated with item #2 in Table 2-F(d) are only those which would be different from the engineering costs related to performing the manufacturing at NUWC Division, Keyport. Those engineering costs which are common to the work being performed at either site are not shown.

The rationale for these recurring mission costs is provided below. It is based on an estimate of 77 manufacturing projects per year for undersea warfare (USW) items. Annual recurring costs are $65K with a phase-in as shown in Table 2-F(d).

a) Pre-Award/Post-Award Surveys (conducted by NUWC Division, Keyport at PSNS):

Of the 77 projects, approximately 20% are expected to require a pre-award and post award survey to have the project manufactured at another site. Any other site would not have the experience and familiarity with the requirements and processes related to USW hardware. The pre- and post-award surveys ensure that the producing activity fully understands the requirements of the project, and that the procuring activity is confident in capabilities of the processes of the producer. These surveys already are performed with outside sources (including PSNS).

The recurring cost is based on a team of three people being involved in the survey for one day for 20% of the projects. The associated cost is approximately $23K/yr (15 projects x 24 hours x $66/hr = $23K)

b) In-Process Technical Support

Experience with USW manufacturing projects indicates that virtually all projects require some level of engineering assistance. This may be because the documentation is insufficiently specific, or because the items is a prototype, or because the shop has a suggestion for an alternative process or material. Some of this can be resolved by phone/FAX. However, 50% of projects are expected to have at least one situation which requires on-site support to achieve resolution. These are situations which, due to lack of experience and familiarity at PSNS with the requirements and processes related to USW hardware, would not have required this level of support if accomplished at NUWC Division, Keyport.

The recurring cost for this is based on 8 hours (including travel time) of engineering per project per year for 38 projects. The associated cost is approximately $20K/yr (38 projects x 8 hours x $66/hr = $20K)

c) Receipt Inspection Discrepancy Resolution

Experience with USW manufacturing at outside sources indicates that approximately 10% of projects have significant defects which are detected at receipt inspection. There is an additional cost associated with detecting them at completion versus having corrected them in process, before final assembly, as would normally be the case for in-house manufacture. Components of this cost are additional documentation related to the discrepancy, travel from PSNS to NUWC Division, Keyport, and technical review and resolution of the discrepancy.

The recurring cost for this is based on 4 hours per project for eight projects per year. The associated cost is approximately $2K/yr (8 projects x 4 hours x $66/hr = $2K).

d) Processing of Project Orders

Tasking manufacturing projects to another site such as PSNS requires preparation, monitoring and closure of funding documents. This activity is not required for in-house manufacture at NUWC Division, Keyport.

The recurring cost for this is based on four hours per project for the projected 77 projects per year. The associated cost is approximately $20K/yr (77 projects x 4 hours x $66/hr = $20K).

3. Combat Systems equipment refurbished at PSNS will be shipped to NUWC Division, Keyport for in-system testing. Cost includes only scenario driven costs of packaging and shipping between PSNS and NUWC Division, Keyport for an estimated one shipset per fiscal year ($2K annually).

e. Net Mission Savings. Complete the following worksheet to identify any net recurring decreases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost decreases, identify the name of the gaining base where the workload will be transferred (if applicable), cost decreases by year and describe the nature of the cost decrease. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost decreases.

Net Mission Savings (Cost Decreases) Worksheet						
Losing Base: Naval Undersea Warfare Center Division, Keyport						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. Puget Sound NSY					$140K	$385K
Description: Elimination of lease cost for storage facilities.						
2. Puget Sound NSY		$85K	$85K	$85K	$85K	$85K
Description: Economies of scale.						
3.						
Description:						
4.						
Description:						
5.						
Description:						

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Add additional lines to worksheet as necessary.

1. This scenario achieves net mission savings by freeing up sufficient facility space to permit termination of use of leased storage facilities for material which is required for continuing operations at NUWC Division, Keyport. The material to be stored is program support material for in-service support of undersea warfare programs. For each program, the material is made up of major end items, subassemblies and components. The present inventory of this material is distributed among the programs approximately as follows:

Program	# of Line Items
MK 46 & MK 50 Torpedo	7,300
MK 48 & ADCAP Torpedo	7,400
USW Combat Systems	11,000
USW Targets	1,000
Submarine Launched Mobile Mine	300

The net savings take into account one-time costs of converting vacated industrial space to suitable storage use and relocation of the stored material. The cross over point (cost to savings) occurs in FY 2000 as shown in the table above. Detailed description of the costs, savings, and net savings are provided in the narrative and table below.

Facility Conversion Costs: Labor and material to prepare in-house facilities at NUWC Division, Keyport for high density material storage. Tasks include leveling of floors (i.e., fill sumps, remove steps and platforms), remove internal walls, enlarge access doors, and other facility modifications. Distribution of costs in FY 96-97 correspond with planned workload transfer to PSNS.

Material Movement: Contractor labor to relocate 27,000 line items of sponsor owned program material from the leased storage facility to in-house facilities at NUWC Division, Keyport. Distribution of costs in FY 97-98 corresponds with completion of in-house facility conversion at NUWC Division, Keyport.

Lease Savings: Savings accrued by the elimination of the leased storage facilities. The total leased facilities consist of four individual warehouses which will be released individually when available. Planned elimination of leased warehouses is one in FY 96, one in FY 97 and two in FY 98.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

RELOCATION OF STORAGE:
COST SAVINGS ANALYSIS

	FY96	FY97	FY98	FY99	FY00	FY01	
Facility Conversion Cost	<100>	<250>					
Material Movement		<250>	<360>				
Lease Savings		55	275	385	385	385	385→
Net	<100>	<445>	<85>	385	385	385	385→
Cumulative Net	<100>	<545>	<630>	<245>	140	525	

f. Miscellaneous Recurring Costs. Identify any other recurring costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the amount, year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission costs shown above. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Annual Cost	FY	Description
1.	None		

g. Miscellaneous Recurring Savings. Identify any other recurring savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the amount, year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission Costs shown above. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Annual Savings	FY	Description
1.	None		

h. Land Sales. Identify any proceeds, if identifiable and realistically expected to be received, which would be realized through the sale of excessed property at the losing base(s). In most cases, proceeds will not be realized from the sale of land at closed activities. However, if unusual circumstances warrant, identify estimated amount of proceeds, number of acres to be sold and rationale for assuming that proceeds will be obtained.

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Revenues	No. of Acres	Rationale
1.	None	0	

i. Procurement Cost Avoidances. Identify any procurement cost avoidances which would be realized as a result of the closure/realignment scenario. Items identified here must not include any funds, regardless of appropriation, identified as BOS costs in Data Call 66. An example of a cost to include here would be a planned "Other Procurement account" purchase of a computer system, which will no longer be required as a result of the closure/realignment action. For each cost avoidance, identify the amount, year in which the cost would have been incurred, whether the cost avoidance is one-time or recurring in nature, and the nature of the cost avoidance.

Losing Base: Naval Undersea Warfare Center Division, Keyport

	Cost	FY	One-Time/Recurring	Explanation
1.	None			

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

j. Facility Shutdown. If an activity is being realigned but not completely closed, then identify the number of square feet of Class 2 real property (buildings), excluding family housing, MWR and utilities facilities, which will be shut down at the losing base as a result of this action. If an activity is being completely closed, then just enter "All". The Base Loading Data Attachment includes an identification of total square feet for the activity and should be referred to in answering this question. Note that this entry should be shown in "thousands of square feet" (KSF).

Losing Base: Naval Undersea Warfare Center Division, Keyport

Facility KSF Shutdown: 0 (All space made available will be reused to allow divestiture of presently leased facilities.)

Summarize data shown in response to supporting data questions a. through j. above in the following table. Note that all entries must be shown in ($000).

Table 2-F: Dynamic Base Information Summary

Losing Base: Naval Undersea Warfare Center Division, Keyport								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs	619	910					1,529
b.	One-Time Unique Svgs	3,000	6,000					9,000
c.	One-Time Move Costs	40	288					328
d.	Net Mission Costs	638	1,917	1,732	1,566	1,416	1,281	8,550
e.	Net Mission Savings	0	85	85	85	225	470	950
f.	Misc Recur Costs	0	0					0
g.	Misc Recur Savings	0	0					0
h.	Land Sales	0	0					0
i.	Procurement Cost Avoid	0	0					0
j. Fac. Shutdown (KSF)			0					

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	Puget Sound Naval Shipyard, Bremerton, WA

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Cost	FY	Description
1.	$ 0		None

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Cost ($K)	FY	Description
1.	$ 50	96	Site Preparation for Welding Equipment
2.	$ 400	96	Site Preparation for Heat Treat Equipment
3.	$ 20	96	Site Preparation for Combat Systems Spares Storage
4.	$ 600	96	Site Preparation for Combat Systems Refurbishment Work Areas

The costs identified above were certified by Puget Sound Naval Shipyard. They are for site preparation (removal/relocation of some items of existing equipment and operations, and installation of work cells, special utilities and minor foundations which are required for the equipment) at PSNS.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Cost	FY	Description
1.	$ 0		None

c. Environmental Mitigation. Environmental cleanup costs at closing bases are not considered in COBRA, since these costs will be incurred regardless of whether the activity is closed or remains opened. If, however, additional environmental costs are incurred at gaining bases as the result of a transfer of functions or personnel, these costs should be identified, e.g., wetland mitigation, environmental impact statements at gaining bases, new permits, etc. Identify below any non-Military Construction environmental mitigation costs which will be incurred as a result of this closure/realignment action. (Note: Military Construction Costs for environmental mitigation are identified in Table 3-B). For each cost, identify the amount, year in which the cost will be incurred and a brief description of the cost.

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Cost	FY	Description
1.	$ 0		None

d. Miscellaneous Recurring Costs. Identify any other recurring costs associated with the closure/realignment action at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.). Do not double count any costs identified on Losing Base tables (Enclosure (2)).

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Annual Cost	FY	Description
1.	$ 0		None

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Annual Savings	FY	Description
1.	$ 0		None

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: Puget Sound Naval Shipyard, Bremerton, WA

	Cost	No. of Acres	FY	Description
1.	$ 0			None

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (3) - GAINING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: Puget Sound Naval Shipyard, Bremerton, WA								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	$1,070K						$1,070K
b.	One-Time Unique Savings							$0
c.	Environ. Mitigation							$0
d.	Misc. Recurring Costs							$0
e.	Misc. Recurring Savings							$0
f.	Land Purchases							$0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (3) - GAINING BASE QUESTIONS

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.

- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.

- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description of the requirement in the "Comment" column of the table.

- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (3) - GAINING BASE QUESTIONS

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

Table 3-B: MILCON Requirements

Gaining Base Name: Puget Sound Naval Shipyard, Bremerton, WA			
Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)			
Berthing (FB)			
Air Maintenance (SF)			
Other Operations (SF)			
Administrative (SF)			
Training (SF)			
Maintenance (SF)			
Bachelor Quarters (SF)			
Supply/Storage (SF)			
Dining Facilities (SF)			
Personnel Support (SF)			
Communications (SF)			
Ship Maintenance (SF)			
RDT&E (SF)			
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			
Environmental	$	$	
Other: - USW Combat Systems Depot	$		

NONE REQUIRED

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ACTIVITY: 00253 NUWC DIV KEYPORT, WA
ANNOTATIONS TO PART 1 : MANPOWER DATA - HOST AND TENANTS

UIC	NAME	MAJOR CLAIMANT	BEGIN FY 1996 OFF	BEGIN FY 1996 ENL	BEGIN FY 1996 CIV	BEGIN FY 1996 STU	PLANNED FORCE STRUCTURE CHANGES OFF	PLANNED FORCE STRUCTURE CHANGES ENL	PLANNED FORCE STRUCTURE CHANGES CIV	PLANNED FORCE STRUCTURE CHANGES STU	END FY 2001 OFF	END FY 2001 ENL	END FY 2001 CIV	END FY 2001 STU
N00253	NUWC DIV KEYPORT, WA	COMNAVSEA SYS	8	1	0	0	4	1	0	0	4	0	0	0
N32586	BRMEDCL DET KEYPORT	BUMED	0	0	0	0	0	0	0	0	0	0	0	0
N32586	NAVAL REGIONAL MEDICAL	BUMED	0	0	0	0	0	0	0	0	0	0	0	0
M00000	MCSF CADRE NUWES KEYPORT	COMNAVSEASYS	0	2	0	0	0	0	0	0	0	2	0	0
N47619	NAVUSEAWARCENDIVKPT	COMNAVSEASYS	4	22	0	0	0	1	0	0	4	4	0	0
N48519	NAVUSEAWARENGSTA FMS TRG	COMNAVSEASYS	0	2	0	0	0	0	0	0	0	2	0	0
N40856	NUWC DIV DET YTT 10	COMNAVSEASYS	1	25	0	0	1	2	0	0	0	0	0	0
N40867	NUWC DIV DET YTT 11	COMNAVSEASYS	1	25	0	0	1	2	0	0	0	0	0	0
N20501	NUWC DIV DET YTT 12	COMNAVSEASYS	0	0	0	0	0	0	0	0	0	0	0	0
N40829	NUWC DIV DET YTT 9	COMNAVSEASYS	1	26	0	0	1	2	0	0	0	0	0	0
00253	NUWC KEYPORT	COMNAVSEASYS	0	0	2,573	0	0	0	561	0	0	0	2,012	0
N30041	NUWES SERCRAFT RANGE KYPT	COMNAVSEASYS	0	2	0	0	0	0	0	0	0	2	0	0
66001	NRAD	COMSPANAVWAR	0	0	0	0	0	0	0	0	0	0	0	0
45507	NANOOSE RANGE	COMNAVSEASYS	1	12	0	0	0	1	0	0	1	0	0	0
52861	K/B DOCKS	COMNAVSEASYS	0	15	0	0	0	0	0	0	0	15	0	0
		TOTALS:	16	132	2,573	0	7	107	561	0	9	25	2,012	0

Denotes revised data

REVISED SUBMIT
1 December 1994

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ANNOTATIONS TO PART 2 : MANPOWER DATA - DETACHMENTS

UIC	NAME	MAJOR CLAIMANT	CITY	STATE	OFF	ENL	CIV	NON-DOD	CLOSED?	FY
N 68951	NAVUNSEAWARCEN DET ARCTIC	COMNAVSEASYS	SAN DIEGO	CA	1	0	0	0	N	
N 35266	NAVUNSEAWARCEN DET HAWAII	COMNAVSEASYS	LUALUALEI	HI	1	0	0	0	N	
N 41869	NAVUNSEAWARCEN DET	COMNAVSEASYS	HAWTHORNE	NV	0	0	0	0	N	
N 42039	NAVUNSEAWARCEN DET SAN	COMNAVSEASYS	SAN DIEGO	CA	0	0	0	0	N	
			TOTALS:		2	0	0	0		

Denotes revised data

REVISED SUBMIT
1 December 1994

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ANNOTATIONS TO PART 3 : MANPOWER DATA - SPECIAL USE AREAS

UIC	NAME	MAJOR CLAIMANT	CITY	STATE	OFF	ENL	CIV	NON-DOD	CLOSED?	FY
N 68951	CAPE PRINCE OF WALES FIELD	COMNAVSEASYS	CAPE PRINCE OF WALES	AK	0	0	0	0	N	
N 00253	NAVAL UNDERSEA WARFARE	COMNAVSEASYS	SILVERDALE	WA	0	0	0	0	N	
			TOTALS:		0	0	0	0		

Denotes revised data

REVISED SUBMIT
1 December 1994

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ANNOTATIONS TO PART 4: MANPOWER DATA - NON-DEPARTMENT OF THE NAVY (DON) TENANTS

UIC	NAME	MAJOR CLAIMANT	OFF	ENL	CIV	NON-DOD	FY	RECEIVING BASE
D HQ00103	DEFENSE FINANCIAL AND	UNKNOWN	0	0	8	0		N/A
		TOTALS:	0	0	8	0		

Denotes revised data

REVISED SUBMIT
1 December 1994

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ANNOTATIONS TO PART 5: TOTAL FACILITY SQUARE FEET

Total Facility Square Feet (in thousands) (Washington State only): 1,887
(Including detachments): 2,524

ANNOTATIONS TO PART 6: BASE OPERATING SUPPORT (BOS) COST DATA

			****O&M, etc.****				*****DBOF*****				*****TOTAL*****			
UIC	NAME	MAJOR CLAIMANT	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY
32586	BRMEDCL DET KEYPORT	BUMED	2	0	10	0	0	0	0	0	2	0	10	0
00253	NUWC DIV KEYPORT, WA	COMNAVSEASYSCO	343	11	2871	1123	**7420**	383	**13059**	14990	**7763**	394	**15930**	16113
		TOTALS:	345	11	2881	1123	**7420**	383	**13059**	14990	**7765**	394	**15940**	16113

Denotes revised data

REVISED SUBMIT
1 December 1994

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)[1]			
Activity Name: NUWC Division, Keyport		UIC: N00253	
	FY 1996 Net Cost from UC/FUND-4 ($000)		
Category	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$25K)	*648	0[2]	*648
1b. Real Property Maintenance (<$25K)	*2,326	350	*2,676
1c. Minor Construction (Expensed)	166	33	199
1d. Minor Construction (Capital Budget)	*4,280	0[2]	*4,280
1e. Sub-total 1a. through 1d.	***7,420**	**383**	***7,803**
2. Other Base Operating Support Costs:			
2a. Command Office	902	570	1,472
2b. ADP Support	653	40	693
2c. Equipment Maintenance	*397	30	*427
2d. Civilian Personnel Services	*341	1,127	*1,468
2e. Accounting/Finance (DFAS)	0	0[3]	0
2f. Utilities	*684	40	*724
2g. Environmental Compliance[4]	3,735	278	4,013
2h. Police and Fire	544	1,505	2,049
2i. Safety	540	504	1,044
2j. Supply and Storage Operations	*2,481	2,090	*4,571
2k. Major Range Test Facility Base Costs[5]	N/A	N/A	N/A
2l. Other (Specify):	***2,782**	**8,806**	***11,588**
- Administration	860	8,378	9,238
- Military Labor	0	388	388
- Other Engineering Support	1,247	40	1,287
- Base Communications	*675	0[3]	*675
2m. Sub-total 2a. through 2l:	***13,059**	**14,990**	***28,049**
3. Depreciation	**361**	**0**	**361**
4. Grand Total (sum of 1e. 2m, and 3.):	***20,840**	**15,373**	***36,213**

* Changed from previous submission to be consistent with FY 1996 OSD Submit budget data.

National Quality Improvement Prototype Award
1994 Winner

ADMINISTRATIVE SENSITIVE

DATA CALL #66
1-5R (17 November 1994)
UIC N00253
NUWC DIV KEYPORT

DATA CALL 66
INSTALLATION RESOURCES

Notes:

1. Costs identified herein are based on the DBOF UC/Fund 4 and O&MN BS-1 Budget Exhibits, but, in consonance with the intent of BRAC Data Call #66, exclude those costs reported on the budget exhibits which are not directly related to operational support for the Division. Examples include FECA costs and Separation Incentive Pay.
2. Effort is contracted.
3. Accounting/Finance (DFAS) and Base Communications (COMNAVTELCOM) labor services will be provided without reimbursement.
4. Environmental compliance costs represent only the FY96 budgeted cost of specific projects and management of environmental programs. NUWC Division, Keyport has six designated National Priority List sites. Base closure would incur the cost of full remediation (as agreed with the State of Washington) which is estimated at over $200 million. Additionally, removal and disposal of asbestos containing materials would cost in excess of $9 million.
5. The Northwest, SOCAL, and MIDPAC Range Systems are not part of the DOD Major Range and Test Facility Base (MRTFB). These ranges are totally customer funded under DBOF.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

ANNOTATIONS TO PART 7: CONTRACT WORKYEAR DATA

UIC	NAME	MAJOR CLAIMANT	TOTAL CONTRACT WORKYEARS	NUMBER OF WORKYEARS TO BE TRANSFERRED	NUMBER OF WORKYEARS TO BE ELIMINATED	NUMBER OF WORKYEARS REMAINING AT ACTIVITY
32586	BRMEDCL DET KEYPORT	BUMED	1	0	0	1
00253	NUWC DIV KEYPORT, WA	COMNAVSEASYS	655	**0**	**0**	**655**
		TOTALS:	656	**0**	**0**	**656**

Denotes revised data

REVISED SUBMIT
1 December 1994

Document Separator

BRAC-95 SCENARIO DEVELOPOMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload/Missions Transferring
NSWC CRANE	NSYD NORFOLK	SHIP/SEA SYSTEMS
NSWC CRANE	NSYD NORFOLK	ISE/ASSOCIATED WITH DEPOT

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

Enclosure (1)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Complete a separate Enclosure (2) - Losing Base Questions for each "losing" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F. Enter the Losing Base name in the block below:

Losing Base:	NSWC CRANE

The first five tables in this enclosure will be used to identify the movement and/or elimination of military billets and civilian positions. Data entered in Tables 2-B and 2-C will be transferred to Table 2-D and will be used to reconcile manpower totals at the losing base. The entire losing base workforce as shown on the annotated copy of the Base Loading Data Attachment must be accounted for in the Table 2-D reconciliation.

General Note on Tables 2-A and 2-B. A separate copy of both of these two tables must be completed for each pair of activities between which transfers of personnel, equipment or vehicles will occur. That is, a single enclosure (1) response may require multiple copies of tables 2-A and 2-B. For example, if the scenario involves the closure of NAVSTA A and relocation of personnel to NAVSTA B and NAVSTA C, then two tables will be completed, one for transfers from NAVSTA A to NAVSTA B and one for transfers from NAVSTA A to NAVSTA C. Note that for purposes of completing these tables, Losing Bases and Gaining Bases are defined as a host activity, independent activity or other activity specifically identified in the data call tasking. Separate tables will not be prepared for individual tenant activities, instead, tenant numbers will be incorporated into the table for the Losing Base. Be certain to identify the name of both the gaining and losing base. Make additional copies of these two tables as necessary.

Table 2-A: Disposition of Personnel - Detail Data. Please review the Base Loading Data Attachment and annotate any corrections, as necessary. Using the data contained in the Base Loading Data Attachment, complete the table on the next page. For both the host and tenant activities, identify, by UIC, the number of billets/positions being relocated to the identified receiving site. Each UIC shown as a separate line on the Base Loading Data Attachment must be separately listed in Table 2-A. Drilling reservists will not be included in officer and enlisted billet fields. Military students must be separately distinguished from officer and enlisted billets in COBRA. The Base Loading Data Attachment includes an identification of military students. Annotate the Base Loading Data Attachment to identify any additional students not currently shown, and include these corrected numbers in Table 2-A. Numbers of students are expressed as the estimated "Average On-Board" (AOB) which would be trained at the losing base in FY 2001 if a closure/realignment did not occur. Non-DON tenants must also be reviewed and a determination made as to whether the organization will be relocated. Relocating non-DON tenants must be included in the number of billets/positions identified as being transferred (and manpower totals adjusted accordingly). Disposition of tenant and reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC CRANE

To Gaining Base: NSYD NORFOLK

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
00164	NSWC CRANE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	246	125	124	0	495 R
		Mil Stu	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	246	125	124	0	495 R
		Mil Stu	0	0	0	0	0	0	0

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

R(2/24/95)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC CRANE

To Gaining Base: NSYD NORFOLK

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
00164	NSWC CRANE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	236	115	114	0	465
		Mil Stu	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	236	115	114	0	465
		Mil Stu	0	0	0	0	0	0	0

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

Enclosure (2)

Table 2-B: Disposition of Personnel and Equipment - Summary. Complete the table on the next page to summarize the transfer of equipment and personnel. Personnel numbers must match summary data shown in Table 2-A. Remember that, as with Table 2-A, a separate Table 2-B must be completed for each combination of losing/gaining bases. The following explanatory information is provided.

a. Disposition of Personnel. Transfer the summary relocation data shown at the bottom of the corresponding Table 2-A.

b. Disposition of Equipment. Identify the transfer of equipment and vehicles from one activity to another. **Do not include equipment which will be excessed.** The following explanatory notes are provided:

Mission and Support Equipment: The terms "Mission" and "Support" are provided as broad general terms to distinguish between the types of equipment which will be shipped. In terms of the COBRA moving algorithms, whether equipment is listed under "Mission" or "Support" is irrelevant. Consequently, more attention should be given to identifying the total number of tons which will need to be shipped, rather than spending too much time refining the breakout of mission vs. support equipment. Note that these figures should not include administrative equipment, which is already included in COBRA algorithms at the rate of 710 pounds per military billet or civilian position being relocated.

Light Vehicles: Light vehicles are defined as vehicles that will be **driven** to the new location.

Heavy Vehicles: Heavy vehicles are defined as vehicles which will be **shipped** to the new location.

Remember to complete the "Supporting Data" section which immediately follows the table.

Table 2-B: Disposition of Personnel and Equipment - Summary

From Losing Base: NSWC CRANE

To Gaining Base: NSYD NORFOLK

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	0	0	0	0	0
Civilian Positions	0	0	246	125	124	0	495
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	0	6304.4	3725.7	313.4	0	10343.5
Tons of Support Equipment	0	0	3.5	0	0	0	3.5
Number of Light Vehicles	0	0	3	0	0	0	3
Number of Heavy Vehicles	0	0	0	0	0	0	0

R

Supporting Technical Billets

Supporting technical billets are identified for personnel who provide testing and materials analysis of microwave tubes and components.

R(2/24/95)

Table 2-B: Disposition of Personnel and Equipment - Summary

From Losing Base: NSWC CRANE

To Gaining Base: NSYD NORFOLK

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	0	0	0	0	0
Civilian Positions	0	0	236	115	114	0	465
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	0	6304.4	3725.7	313.4	0	10343.5
Tons of Support Equipment	0	0	3.5	0	0	0	3.5
Number of Light Vehicles	0	0	3	0	0	0	3
Number of Heavy Vehicles	0	0	0	0	0	0	0

Supporting Technical Billets

Supporting technical billets are identified for personnel who provide testing and materials analysis of microwave tubes and components.

ISE SUPPORT FOR DEPOT WORKLOAD

Acoustic Sensors TC

Series	Grade	Description	Qty	D/I
0855	12	Electronics Engr	5	D
0856	12	Electronics Tech	1	D
0856	11	Electronics Tech	2	D
			8	

Electronic Module Test & Repair TC

0855	12	Electronics Engr	49	D
0830	12	Mechanical Engr	4	D
0856	11	Electronics Tech	17	D
0855	13	Supv Electronics Engr	4	I
0896	12	Industrial Engr	1	I
0344	06	Program Assistant	1	I
0326	04	Office Automation Clerk	1	I
			77	

Microwave Components TC

0855	14	Supv Electronics Engr	1	I
0855	13	Supv Electronics Engr	4	D
0855	13	Electronics Engr	1	D
0855	12	Electronics Engr	11	D
0830	12	Mechanical Engr	3	D
0856	12	Electronics Tech	6	D
0856	11	Electronics Tech	12	D
0856	09	Electronics Tech	1	D
0856	07	Electronics Tech	1	D
0343	12	Supv Program Analyst	1	I
0343	12	Program Analyst	3	D
0343	11	Program Analyst	4	D
0334	12	Computer Specialist	2	D
1106	07	Procurement Tech	1	D
0344	07	Program Assistant	1	D
0303	07	Logistics Mgmt Asst	1	D
0318	06	Secretary (QA)	1	I
1910	12	QA Specialist	3	D
0346	12	Logistics Mgmt Spec	1	D
0301	11	Configuration Mgmt Spec	2	D
			60	

Radar Engineering & Industrial Support TC

Series	Grade	Description	Qty	D/I
0855	14	Supvy Elect Engr	1	D
0318	06	Secretary	1	I
0343	12	Supvy Program Analyst	1	I
0855	12	Electronics Engr	14	D
0802	11	Engrg Tech	4	D
0802	11	Engrg Tech	1	I
1670	09	Equip Spec	1	D
0343	09	Program Analyst	1	D
0303	07	Configuration Mgmt Tech	1	D
0561	06	Budget Assistant	1	D
0334	09	Computer Spec	1	I
0099	07	Computer Spec	1	D
0399	04	Secretary	1	I
0399	03	Secretary	1	I
0855	13	Supvy Electronics Engr	2	D
0856	12	Electronics Tech	2	D
0856	11	Electronics Tech	3	D
0830	12	Mechanical Engr	1	D
0802	10	Mech Engrg Tech	2	D
0856	09	Electronics Tech	1	D
0802	09	Engrg Tech	2	D
0802	07	Engrg Tech	3	D
0802	08	Engrg Tech	1	D
0856	13	Supvy Elec Tech	1	D
0346	12	Logistics Mgmt Spec	2	D
0343	12	Mgmt Analyst	1	D
2010	12	Inventory Mgmt Spec	1	D
0346	11	Logistics Mgmt Spec	2	D
0343	11	Program Analyst	2	D
0334	11	Computer Spec	1	D
0343	09	Program Analyst	1	D
0335	07	Computer Assistant	1	D
0303	07	Configuration Mgmt Tech	1	D
0344	07	Program Asst	1	D
0856	12	Supvy Electronics Tech	1	D
			62	

Electronic Warfare TC

Series	Grade	Description	Qty	D/I
0855	14	Supvy Electronics Engr	1	I
0896	13	Industrial Engr	1	D
0855	13	Electronics Engr	1	D
0855	13	Supvy Electronics Engr	2	D
0346	13	Supvy Logistics Mgmt Spec	1	D
0855	12	Electronics Engr	31	D
0856	12	Electronics Tech	4	D
0343	12	Supvy Program Analyst	1	I
0896	12	Industrial Engr	1	I
0343	12	Program Analyst	2	D
0830	12	Mechanical Engr	1	D
0856	12	Supvy Electronics Tech	1	D
0802	12	Engrg Tech	1	D
0346	12	Logistics Mgmt Spec	5	D
0856	11	Electronics Tech	3	D
0343	11	Program Analyst	1	I
0855	11	Electronics Engr	1	D
0802	11	Mech Engrg Tech	1	D
0802	11	Electrical Engrg Tech	1	D
0346	11	Logistics Mgmt Spec	8	D
0334	11	Computer Specialist	2	D
0301	11	Configuration Mgmt Spec	1	D
0830	11	Mech Engr	1	D
0802	11	Engineering Tech	1	D
1670	09	Equip Spec (Gen)	2	D
0802	09	Engrg Tech	2	D
0855	09	Electronics Engr	1	D
0802	09	Engrg Tech (Draft)	1	D
0802	09	Mech Engrg Tech	1	D
0346	09	Logistics Mgmt Spec	2	D
0561	08	Budget Asst	1	D
0344	07	Program Asst	1	I
0334	07	Computer Spec	2	D
0855	07	Electronics Engr	3	D
0802	07	Engrg Tech	2	D
0303	07	Logistics Mgmt Asst	2	D
0561	06	Budget Asst	2	D
0344	06	Program Asst	1	I
0344	06	Program Asst	1	D
0802	06	Engrg Tech (Draft)	1	D
0802	04	Engrg Tech (Draft)	1	D
0318	04	Secretary (OA)	1	D
			100	

DEPOT BILLETS TRANSFERRED

GS-0856-12	ELECTRONICS TECH	6
GS-0856-11	ELECTRONICS TECH	86
GS-0856-10	ELECTRONICS TECH	4
GS-0856-09	ELECTRONICS TECH	12
GS-0856-08	ELECTRONICS TECH	10
GS-0855-12	ENGINEER	4
GS-0802-11	ENGINEERING TECH	5
GS-0802-09	ENGINEERING TECH	7
GS-0802-10	ENGINEERING TECH	1
GS-1152-10	PRODUCTION CONTROLLER	6
GS-1152-09	PRODUCTION CONTROLLER	2
GS-1670-09	EQUIPMENT SPECIALIST	2
GS-0318-05	SECRETARY	1
WG-4840-08	TOOL ROOM MECHANIC	1
WG-2604-08	EQUIPMENT WORKER	4
WG-3806-10	SHEET METAL - MECH	1
WG-6910-07	MATERIAL EXPEDITER	1
WG-4102-08	PAINTER	5
TOTAL:		158

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
MICROWAVE COMPONENTS TECHNICAL CAPABILITY	
Crossed Field Amplifier Test Sets CWI Test Sets Switch Tube Test Sets Traveling Wave Tube Test Sets Magnetron Test Sets High Voltage Power Supply/Modulators Transmitter Testbeds including Major RF Assemblies Microwave RF Support Test Equipment (See attached list for specific examples of the above equipment)	The equipment is required by the gaining activity to perform continued depot support. This type of equipment is either latest state-of-the-art high technology equipment and/or is highly specialized type of equipment not normally utilized by other activities in their operations.
DLR Material (3026 tons)	Microwave Components Technical Capability provides engineering and depot support for microwave tubes for the Electronic Counter Measures and Radar Systems.
RADAR TECHNICAL CAPABILITY	
AN/SPS-40 Manufacturing, Repair and Test Equipment AN/SPS-48 Antenna Overhaul and and Test Equipment AN/SPS-49 ESe Overhaul and Test Equipment Commercial Test Equipment Commercial Test Sets Specialized Jigs/Fixtures Customer-owned Material DLR Material (2509 tons)	This equipment will be required to maintain the multiple-discipline capabilities of the current Radar Technical Capability. The equipment will be required to perform depot functions and to maintain engineering expertise. The equipment is either latest state-of-the-art high technology equipment and/or is highly specialized equipment required to perform engineering evaluations in support of the Navy's Radar smart buyer ability.

EQUIPMENT TO BE MOVED - MICROWAVE COMPONENTS TC

TYPE	SPECIFIC EXAMPLES	MAJOR ASSEMBLIES TO BE MOVED	EACH TONS	TOTAL TONS
Crossed Field Amplifier TEST SETS includes		7	3.75	26.25
	D/DP modulator w/o controller			
	CFA modulator w/ controller			
	Analtek digitizer			
	other RF measurement and controlling equipment/software			
Continous Wave Illuminator TEST SET includes		3	6.25	18.75
	CWI modulator w/ controller			
	RF spectrum analyzer			
	HP 83623A RF signal generator			
	other RF measurement and controlling equipment/software			
40 WATT TEST SET includes		2	0.50	1.00
	controller			
	HP 8350 /83540B signal generator			
	other RF measurement and controlling equipment/software			
10 KW TEST SET includes		8	4.50	36.00
	D/PD modulator w/o controller			
	Raytheon phase bridge			
	HP 83623A signal generator			
	other RF measurement and controlling equipment/software			
Switch Tube TEST SET includes		8	1.80	14.40
	17 KV HIGH VOLTAGE EQUIPMENT			
	other RF measurement and controlling equipment/software			
Simplified Driver (SDR) TWT test set		4	2.00	8.00
	High Voltage modulator w/ controller			
	RF spectrum analyzer			
	HP RF signal generator			
	other RF measurement and controlling equipment/software			
MK-99 Fire Control Transmitter Testbeds		2	2.50	5.00
	CWI modulator w/ controller			
	RF spectrum analyzer			
	HP 83623A RF signal generator			
	other RF measurement and controlling equipment/software			
Moving Target Indicator TEST SET		1	3.50	3.50
	D/DP modulator w/o controller			
	CFA modulator w/ controller			
	Analtek digitizer			
	other RF measurement and controlling equipment/software			
High Voltage Power supply/modulators				
	AN/SPY-1D	2	1.50	3.00
	Driver/Pre-Driver	1	1.50	1.50
	Final Power Amplifier	1	1.00	1.00
Transmitter Testbeds including major RF assemblies				
	RADAR TEST EQ SPS48	15	0.60	9.00
	RADAR TEST EQ SPS40	15	0.60	9.00
	RADAR TEST EQ SPS49	10	0.40	4.00

Note: None eliminated / None excessed / None transferred in place

EQUIPMENT TO BE MOVED - MICROWAVE COMPONENTS TC

TYPE	SPECIFIC EXAMPLES	MAJOR ASSEMBLIES TO BE MOVED	EACH TONS	TOTAL TONS
MICROWAVE RF SUPPORT TEST EQUIPMENT:		x	x	16.00
the following is a characteristic sample of the RF equipment.				
	HP8510 NETWORK ANALYZER ($210k)			
	HP85108 NETWORK ANALYZER ($300k)			
	HP83624 SYNTHESIZED SWEEPER ($45k)			
	DSA602 DIGITIZING OSCILLOSCOPE ($48K)			
	ETM-DL-100,000 DYNAMIC CATHODE LOAD ($75 k)			
	HP71210C MMS SPECTRUM ANALYZER ($ 90 k)			
	HP8566B SPECTRUM ANALYZER ($45k)			
	SR620 TIME INTERVAL COUNTER ($ 5.5 k)			
	DG535 PULSE GENERATOR ($ 5.5 k)			
	DIGITAL RF POWER METERS			
MICROWAVE INTEGRATED DATABASE APPLICATIONS SYSTEM (MIDAS)				
	Applications system network for data collection (120 PCs/Monitors/Printers)	120	0.10	12.00
	Prime Mainframe computer (4 cabinets with tape backup cabinets)	1	6.00	6.00
		200 MAJOR ASSEMBLIES		174.4 TOTAL TONS

Note: None eliminated / None excessed / None transferred in place

ELECTRONIC WARFARE TECHNICAL CAPABILITY

NSWC Crane-Developed Testers System Test Labs (3) Plastic Media Blaster Commercial Test Equipment (See attached list for specific examples) DLR Material (2530 tons)	This equipment will be required to maintain a baseline of operations and perform continued depot and program support. This type of equipment is either latest state-of-the-art high technology equipment and/or is highly specialized types of equipment not normally utilized by other activities in their operations.

ACOUSTIC SENSORS TECHNICAL CAPABILITY

Basic General Purpose Test Equipment, Basic Bench Test Fixtures, Benches, Storage Cabinets, Miscellaneous Hardware DLR Material (572 tons)	Equipment will aid in establishment of basic depot area outfitting. Test fixtures will be required to perform selected repair processes with established procedures.

ELECTRONIC MODULE TEST & REPAIR TECHNICAL CAPABILITY

87 Dodge D50/Topper 87 Dodge 1/2 ton 86 Dodge D50	Pick-up/delivery of modules, piece parts and equipment
General Purpose Test Equipment Rotating Component Test Equipment ATE/SPTE	Required by ISEA for Depot Repair
MSRA Equipment 2M-ATE DLR Material (373 tons)	Required by Engineering for MSRA

BRAC DATA DETAILS	All Figures ($000)	
9 DEC 94	backup for table 2.B	
Depot Tester Items		TOTAL
	Note	VALUE
Hughes Testers:		
H-A03 Low Voltage Power Supply Test Station	2	$127
H-A05 Microwave VSWR test station	2	$1,343
H-A13 RF Module TestStation Number 1	2	$1,308
H-A13 RF Module TestStation Number 2	2	$2,170
H-A15 STE/XP PS Test Station	2	$82
H-U02 Digital Tast Station	2	$47
H-U03 Encoder Sequencer Test Station	2	$264
H--U04 Transmitter Driver Test Station	2	$849
H-U05 RF/Digital Test Station	2	$1,894
H-U06 DFR Microwave Test Station	2	$859
H-U10 IFM Test Station	2	$859
H-U14 System Concentrator Test Station	2	$161
SRU Burn-In Test Station	2	$37
		$10,000
IMA Testers:		
AN/USM-465	3	$30
TAT	3	$200
RF Test Station	1	$500
HVDU Test Station	1	$160
HVPS Test Station	1	$150
LVPS Test Station	1	$125
Total		$1,165
Crane Developed Testers:		
TWT Test Set	1	$250
Pump Tester	1	$8
Heat Exchanger Test Set	5	$75
Pedestal Test Set	5	$225
MOOG Valve Test Set	4	$10
Pedestal Control Box	1	$20
RF Cable Fabrication	1	$25
Tape Drive Test Set	4	$20
8510 Test Set	6	$390
Total		$1,023
System Test Labs:		
Cables (6 sets)	1	$600
Antenna Handling Device (2)	1	$50
Chill Water System (2)	7	$32
Power Generating System (2)	7	$500
Test Equipment (6 sets)	6	$480
Total		$1,662
Anechoic Chambers:		
30' X 30' X 100' Chamber	5	$2,000
20' X 20' X 65' Chamber	5	$1,000
Total		$3,000
Plastic Media Blaster:	6	$150
Commercial Test Equipment:	6	$7,000
Estimated based on:		
Total Equipment - Equip. in test stations		
GRAND TOTAL		$24,000

Table 2-C: Eliminated Billets/Positions

Using the Base Loading Data Attachment, identify, by UIC, for both the host and tenant activities, the number of military billets and/or civilian positions which will be eliminated as a result of the closure/realignment scenario. For each UIC on the Base Loading Data Attachment where military billets and/or civilian positions will be eliminated, make a separate entry on Table 2-C. Identify the number of Officer Billets, Enlisted Billets and/or Civilian Positions which will be eliminated in each Fiscal Year. Note that for a total closure scenario, the total number of billets/positions moved plus those eliminated must equal the entire workforce at the activity as of the end of FY 2001 as shown on Base Loading Data Attachment. Numbers entered here should reflect a thorough review of staffing requirements at both the losing and receiving sites, and include all potential job eliminations which would result from consolidation efficiencies, economies of scale, etc. Reductions should reflect both overhead/support eliminations and direct labor eliminations, as appropriate. Eliminations should be entered in the year(s) in which they are expected to occur, for example, if 80 civilian positions will be eliminated in FY 2000 and an additional 50 positions will be eliminated in FY 2001, then enter the data as follows: FY 1996 - 1999 = 0, FY 2000 = 80, FY 2001 = 50, Total = 130. **Do not identify any of the following as eliminated billets/positions in Table 2-C:**

- Planned Force Structure Reductions (FY 1996 through 2001).
- Military Students.
- Non-DON tenants.

Drilling reservists should also not be included in numbers of eliminated billets. Disposition of any tenant or reserve activities must be adequately coordinated.

Table 2-C: Eliminated Billets/Positions

Losing Base Name: NSWC CRANE

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
00164	NSWC CRANE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	8	8	0	16
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
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		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	8	8	0	16

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity with eliminated positions/billets.

Table 2-D: Manpower Reconciliation Data. It is imperative that all manpower is accurately accounted for in the closure/realignment scenario. Using the data from the Base Loading Data Attachment and Tables 2-B and 2-C, complete the "reconciliation" table shown on the next page. Note that Line C of the table should include any changes in manpower resulting from the implementation of prior BRAC actions at the base. These changes should also be annotated on the Base Loading Data Attachment and reflected in Line D of the table, "End FY 2001".

(see next page)

Table 2-D: Manpower Reconciliation Data

	Officers	Enlisted	Civilians	Mil Stu	Total	
A. Begin FY 1996:	23	89	3954	0	4066	
B. Force Structure Changes(+/-):	-3	-15	-489	0	-507	
C. Prior BRAC Changes (+/-):	0	0	0	0	0	
D. End FY 2001:	20	74	3465	0	3559	
Moving to (List each Gaining Base):						
1. NSYD NORFOLK	0	0	495	0	495	R
2.						
3.						
4.						
5.						
6.						
7.						
8.						
E. Total Billets/Positions Moving:	0	0	495	0	495	R
F. Eliminated Billets/Positions:	0	0	16		16	
G. Remaining at Losing Base:	20	74	2954	0	3048	
H. Sum of Lines E, F, and G:	20	74	3465	0	3559	

Notes: Do not fill in shaded cells. **Double check your work. Line H** (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

R(2/24/95)

Table 2-D: Manpower Reconciliation Data

	Officers	Enlisted	Civilians	Mil Stu	Total
A. Begin FY 1996:	23	89	3954	0	4066
B. Force Structure Changes(+/-):	-3	-15	-489	0	-507
C. Prior BRAC Changes (+/-):	0	0	0	0	0
D. End FY 2001:	20	74	3465	0	3559
Moving to (List each Gaining Base):					
1. NSYD NORFOLK	0	0	465	0	465
2.					
3.					
4.					
5.					
6.					
7.					
8.					
E. Total Billets/Positions Moving:	0	0	465	0	465
F. Eliminated Billets/Positions:	0	0	16		16
G. Remaining at Losing Base:	20	74	2984	0	3078
H. Sum of Lines E, F, and G:	20	74	3465	0	3559

Notes: Do not fill in shaded cells. Double check your work. Line H (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) must equal Line D (the number of billets/positions at the end of FY 2001).

Enclosure (2)

Table 2-E: Caretaker Requirements (Mothball Scenarios Only). Complete the table below to identify any permanent caretaker requirements associated with a "mothball" (deactivation) scenario. **Caretakers should only be identified if an activity will be mothballed as opposed to closed or realigned.** Scenario data call taskings will identify if this is a "mothball" scenario. This area should not be used to identify temporary caretaker requirements associated with closure of the facility. If some or all of the activity will be mothballed, as opposed to closed or realigned, then identify the number of military and/or civilian caretakers that will be required to remain permanently at the activity. Enter the number of caretakers which will be added to the activity in each year. For example, if 100 caretakers will be required in 1996, and then this number will be increased to 150 in 1997 and out, then enter 1996 = 100, 1997 = 50, leave 1998 through 2001 blank, and enter 150 as the total.

Table 2-E: Caretaker Requirements ("Mothball" Scenarios Only)

Losing Base Name: NSWC CRANE							
	1996	1997	1998	1999	2000	2001	Total
Military Caretakers	NONE						
Civilian Caretakers	NONE						

Table 2-F: Dynamic Base Information

Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (2-F) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 2-F: Supporting Data:

a. Other One-Time Unique Costs. Identify any other one-time unique costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, lease termination costs, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed separately in item c. below. For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC CRANE

MICROWAVE COMPONENTS TECHNICAL CAPABILITY

Cost	FY	Description
$4,427.9K	96	Additional Microwave Tube Costs
$4,427.9K	97	Additional Microwave Tube Costs
$9,400.0K	98	Disassembly, Catalog, Pack, Reassemble
$3,750.0K	98	Validation/Certification of Facilities & Equip
$1,000.0K	98	Vendor Oversight During Transition

Additional Microwave Tube Cost

NSWC/CD is tasked with identifying and resolving AEGIS microwave tube production problems. NSWC/CD uses in-house engineering and technical resources in conjunction with state-of-the-art test and evaluation facilities to support this tasking. During the one year transition the movement of personnel and equipment will severely reduce NSWC/CD's ability to identify and resolve production problems.

Any serious microwave tube production problem will severely impact the AEGIS shipbuild schedule and the quality of the assets which support fleet requirements. Historically, the recovery period for any serious microwave tube production problem has been a minimum of six months and as long as two years. To limit risk to the shipbuild schedule and fleet readiness, procurement of a six month inventory safety margin is required.

Test Equipment Disassembly and Reassembly

This cost includes utilization of specialized microwave technical expertise to disassemble, catalog, and package rf assemblies, components, and high voltage equipment. Included also is the unpacking, reassembly, and calibration of the state-of-the-art high technology microwave test equipment.

A typical microwave test-set includes precisely tuned and matched rf waveguides, coax, couplers, terminations, and attenuators integrated with high power modulators, high voltage power supplies, amplifiers, and sophisticated rf characterization equipment. The disassembly of these test-sets requires the tedious and methodical cataloging and marking of each assembly by highly skilled microwave engineers and technicians to retain the precise rf characteristics needed to ensure correlation of test data upon reassembly.

The reassembly and calibration of these sophisticated test sets is a systematic and very time consuming process requiring highly skilled microwave engineers and technicians. Since these test sets and associated equipment were designed and installed in place at NSWC Crane, they cannot be easily relocated. (Commodity 11b cost based on a 94 Workyear effort)

Validation/Certification

This cost will be incurred by NSWC/CD as the in-service Engineering Agent for AEGIS microwave tubes. It includes engineer and technician labor, travel, and perdiem associated with facility/equipment certification.

Vendor Oversight During Transition

Microwave tube manufacturing is highly dependant on continuous consistent processes utilizing skilled craftsman. Historically, any disruptions in manufacturing has resulted in defected products. To ensure the microwave tube production lines remain stable, it is imperative that production continue at normal rates. Early detection of production problems is imperative to minimizing microwave tube quality problems. NSWC/CD uses in-house engineering and technical resources in conjunction with state-of-the-art test and evaluation facilities to quickly identify and resolve microwave tube production problems. During the one year transition this capability will be lost. In lieu of this loss, a microwave tube engineer and technician will be stationed at each microwave tube manufacturer's plant. These personnel will observe vendor acceptance testing and attempt to provide identification and resolution of production problems.

RADAR TC

COST	FY	DESCRIPTION
10,038K	97	**Accelerated Depot Workload**
13.5K	98	Disassemble 47 workbenches(2538 cu. ft.)
12.3K	98	Prep/Inventory 30 storage lockers(912 cu. ft.)
32.6K	98	Prep/Inventory 83 parts cabinets (100 cu. ft.)
13.9K	98	Disassemble/Inventory support equipment (175 cu. ft.)
7.8K	98	Disassemble/Inventory hi-power microwave splitter test station (10 cu. ft.)
10.0K	98	Disassemble/Inventory Microwave hi-Power Amplifier Test Station (35 cu. ft.)
10.0K	98	Disassemble/Inventory UHF band medium power Amplifier Test Set (23 cu. ft.)
13.5K	98	Disassemble/Inventory Power microwave phase shifter Test Set (35 cu. ft.)
7.9K	98	Disassemble/Inventory wideband microwave switch 2 X 32 Test station (156 cu. ft.)
2.6K	98	Disassemble/Inventory Support offices (567 cu. ft.)
50K	98	Disassemble 60x20x20 Chamber
7K	98	Disassemble NearField Equipment
12K	98	Disassemble High Power Equipment
8K	98	Disassemble Mechanical Testing
3K	98	Spare Parts Inventory for AN/SPS-40E Depot Components
8K	98	Disassembly of SPQ-12 Depot
15K	98	Inventory of SPQ-12 Depot
3K	98	Disassembly of 49 Depot
10K	98	Inventory 49 Depot
33K	98	Disassembly of 49(V)5 Test Bed
10K	98	Inventory of 49(V)5 Test Bed
23K	98	Disassembly of 48C Test Bed
10K	98	Inventory of 48C Test Bed
5K	98	Disassembly of SPA-25F Depot
15K	98	Inventory of SPA-25F Depot
5K	98	Disassembly of SPS-67
1K	98	Inventory of SPS-67
5K	98	Disassembly of AN/SPS-64
5K	98	Inventory of AN/SPS-64
5K	98	Disassembly of 2m Station

RADAR TC

COST	FY	DESCRIPTION
2.5K	98	Inventory of 2m Station
5.4K	98	Disassemble AN/SPS-40 Land Base Test Site
2.5K	98	Disassemble Spare Parts Inventory for AN/SPS-40E LBTS
6.5K	98	Disassemble AN/SPS-40B/C/D Test Bed
2.2K	98	Spare Parts Inventory for AN/SPS-40B/C/D Test Bed
4.5K	98	Disassemble AN/SPS-40E Depot Components (40V P/S, Multi-Volts P/S, (8)CCA
111K	98	Inventory of Unclassified Documentation
14K	98	Package/Label/List Unclassified Documentation
5K	98	Inventory Classified Documentation
3K	98	Identify/package Classified Documentation
12K	98	Disassemble Spacesavers

Accelerated Depot Workload

To facilitate the shutdown of the Radar depot programs during the transition period, programmed workload (included in planned maintenance cycle), identified in DC #14 must be accomplished prior to the transition period. Historically, annual unforecasted workload has averaged 5% of programmed workload. This requires an increase in the number of repairs/overhauls for FY 97. Depot workload will be transitioned with a 18-month (FY 98 to Mid-FY 99) shutdown of the repair lines. Downtime of the test stations will occur during the teardown, shipping, reassembly, and certification/validation at the receiving site.

To facilitate the advanced overhaul requirments, additional long lead material will be required to support this workload. The additional procurement of this material has not been planned or programmed.

The phased approach assumes the following:

- No personnel hire; workload will be handled via overtime
- Long lead materials will be available at the start of FY 97
- Depot repairable carcasses are available

Test Equipment Disassembly

This cost includes specialized microwave engineering and technician expertise to disassemble, preserve rf characteristics and catalog all items for reassembly.

Parts Inventory

This cost includes specialized microwave engineering and technician expertise needed to perform an analysis on existing in-shop depot parts inventory and catalog them.

ELECTRONIC WARFARE TECHNICAL CAPABILITY

Cost	FY	Description
1,200.0K	96	Depot Transition Cost
1,335.0K	97	Depot Transition Cost
1,606.0K	98	Depot Transition Cost
98.0K	99	Disassembly
370.0K	99	Audit Inventory
500.0K	99	ISEA Certification
407.0K	99	Transition Team
243.0K	00	ISEA Certification
371.0K	00	Transition Team

Disassembly, Audit, Inventory

Utilization of specialized microwave technical expertise to dismantle, catalog, and package rf assemblies, components, and high voltage equipment. Included also is the unpacking and reassembly of the state-of-the-art high technology microwave test equipment.

A typical microwave test-set includes precisely tuned and matched rf waveguides, coax, couplers, terminations, and attenuators integrated with high power modulators, high voltage power supplies, amplifiers, and sophisticated rf characterization equipment. The disassembly of these test-sets requires the tedious and methodical cataloging and marking of each assembly by highly skilled microwave engineers and technicians to retain the precise rf characteristics needed to ensure correlation of test data upon reassembly.

ISEA Certification

Engineer and technician travel and per diem associated with validating equipment, facility, personnel and processes. Procedures, documentation and training are validated for all functions such as soldering and ESD capability. the equipment includes analog, digital rf, microwave, computers and microelectronics. Complex technical documentation such as system technical manuals, schematics, and manufacturers specifications must be validated to meet or exceed the OEM desing characteristics. All of the above will ensure that the initial turn-on/validation on highly comples ECM support equipment performs properly.

Transition Team

Personnel required to plan and implement movement and establishment of the new depot to ensure engieering, logistis and other Fleet support functions are not degraded. Representatives from each technology area and a team leader will travel to Norfolk to ensure each technology area is properly equippped and configured to support depot and ISEA workload within the required turn around times. Reporting procedures will be developed for both technical and programmatic issues and an MOU between NSWC Crane NSYD Norfolk will be developed to ensure the smooth transition of depot and ISEA workload.

Depot Transition Costs

EW depot workload includes system remanufacture and Comprehensive Repair, Align and Calibrate (CRAC) operations for both the USN and FMS, as well as repairables for SPCC. There is also a task to manufacture the Decoy Deception Integration (DDI) field change kits. The projected remanufacturing efort entails refurbishing decomissioned assets to meet projected SCN requirements. This cost includes SRAs and SRUs to support Fleet operations while there is not an established depot.

ACOUSTIC SENSORS TECHNICAL CAPABILITY

Cost	FY	Description
30.6K	99	WQM-8 Management/Coordination Team
35.8K	99	Towed Array Handler Mgmt/Coordination Team
25.9K	99	Acoustic Systems Depot Certification
123.1K	99	Acoustic Systems Advance Workload
518.4K	99	Towed Array Advance Workload
31.9K	00	Towed Array Handler Mgmt/Coordination Team
63.0K	00	Acoustic Systems Mgmt/Coordination Team
36.8K	00	WQM-6 Management/Coordination Team
120.8K	00	Towed Array Handler Depot Certification
159.7K	00	Acoustic Systems Depot Certification
103.7K	00	WQM-8 Advance Workload
213.6K	00	WQM-6 Advance Workload
166.8K	00	Acoustic Systems Advance Workload

Advance Workload Performance

The work effort must not be disrupted to ensure continuous Fleet Support is maintained. It is estimated that WQM-6/8 and Acoustic Systems functions can be transferred in approximately a three month period. Therefore, a 3 months worth of workload must be executed in advance of the beginning (disassembly operations at NSWCC) of the transition process.

Acoustic Systems FY/99

4.75 wk-yr x 3 mo x 1yr/12mo x $103.670/wk-yr = $123,108

WQM-8 FY/99

4.00 wk-yr x 3 mo x 1yr/12mo x $103,670/wk-yr = $103,670

WQM-6 FY/00

8.00 wk/yr x 3 mo x 1yr/12mo x $106,777/wk-yr = $213,554

Acoustic Systems FY-00

6.25 wk/yr x 3 mo x 1yr/12mo x $106,777/wk-yr = $166,839

Towed array handler transfer will be a much more complex operation due to the complexity and volume of equipment and material. This includes sensitive hydraulic and eletro-mechanical assemblies. It is estimated that this process will take at least 12 months to complete.

FY-99

5.00 wk/yr x 12 mo x 1yr/12mo x $103,670/wk-yr = $518,350

ELECTRONIC MODULE TEST & REPAIR CAPABILITY

Cost	FY	Description
3234.0K	97	Fill Supply Pipeline
95.0K	98	Parts Inventory
30.0K	98	Documentation Requirements

Parts Inventory

This cost includes specialized electronic module engineering and technician expertise needed to perform analysis and cataloging of existing in-shop depot parts inventory. This estimate is based on the cost incurred during loading of Automated Storage and Retrieval System installed in new Maintenance MIL-CON in FY1994. This system contains 10,000 bins of in-shop depot parts. Experience shows that it takes an average of 10 minutes/bin to analyze and catalog the parts.

(#Bins) X (Time/Bin in hours) X (labor rate) = Cost

(10,000) X (10/60) X ($57.17) = $95,283

Documentation Requirements

TC04 is depot for approximately 1600 unique modules. Cost will be incurred for assembly and distribution of needed test set procedures and documentation. NSWC/CD maintains 1 master copy of each procedure. Cost is primarily for inventory of documentation to insure the correct revision of each drawing and procedure is shipped. Estimated time per document package is 20 minutes.

(# Packages) X (Time/Document in hours) X (Labor Rate) = Cost of Inventory

(1600 Packages) X (20/60 hours) X ($57.17) = $30,490

Fill Supply Pipeline

The time from start of disassembly of depot test equipment to a fully fuctional certified depot is estimated to be approximately 6 months. The supply pipeline of electronic modules must be sufficiently full to meet fleet requirements including CASREPS and other unforcasted demands during the 6 months of down time. The plan is for depot personnel to work overtime 20 hours per week for 1 year to build up the supply inventory of electronic modules. Working 20 hours per week for 1 year is the equivalent of working 40 hours per week for 6 months. Piece part cost is historically 15% of labor cost for electronic modules.

(# Personnel) X (Time on Job/Year) X (Labor Rate) = Labor Cost of Test/Repair

(56 Personnel) X (1757/2 Hours/Year) X ($57.17) = $2,812,535 Labor

(Labor) + (Piece Part Cost) = Total Cost to fill pipeline

($2,812,535) + (0.15 X $2,812,535) = $3,234,415

Microwave Engineer Development

This cost is associated with a real life concern that our microwave engineers will not relocate to Norfolk. We base this concern on real life examples, particularly the BRAC directed move of engineering from Warminster, PA to Pax River, MD in which exactly 50% of the engineers refused relocation. In our case this would be **50% of 70 = 35.**

We estimate the cost to redevelop this critical skill at
$8,902.

Rationale:

Crane is recognized as the DOD microwave tube expert and is the only DOD activity with a complete range of microwave tube test, evaluation, and repair facilities integrated with experienced microwave tube engineers.

Universities do not graduate microwave engineers; they have to be developed. Crane's experience over the last 25 years is that it takes five years for an engineer just out of college to reach full performance level as a microwave engineer.

Crane's experience in development costs to reach this level is $254,332. This estimate is based on site availability of equipment and facilities. The focus of formal training in microwave specialty of microwave tubes, EW and radar begins in year 2/3.

Calculations:

Given: Percent spent on the job training		Hourly Rate
FY96	90%	$70.67
FY97	70%	$60.85
FY98	40%	$62.68
FY99	10%	$64.56
FY00	0%	$66.49

Example:

Development costs = (Yearly labor costs x time on the job training) + ($3500 yearly formal school)

If hired FY96: Development costs = ($123,319 X 90%) + 3500 = 110,987 +3500 = 114,487

FY97: $77,828
FY98: $47,251
FY99: $14,766
Total costs over five year period is **$254,332**.

Enclosure (2)

b. **Other One-Time Unique Savings.** Identify any other one-time unique savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include net proceeds to DoD resulting from an existing MOU with a state or local government, one-time environmental compliance cost avoidances, etc. This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include Construction Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered under item i. below). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC CRANE

Cost	FY	Description
$6,300	99	MILCON P-268

Of the MILCON funds programmed, $6,300,00 would be avoided from transferring depot functions. Military Construction projects identified in this program support non-depot operations.

c. One-Time Unique Moving Costs. The COBRA algorithms use standard packing and shipping rates to calculate the cost of transporting equipment and vehicles. Identify here only those unique moving costs associated with movements out of the losing base that would be incurred in addition to standard packing and shipping costs associated with tonnage and vehicles identified in Table 2-B. Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc. If unique costs identified here include packing and shipping costs, then ensure that tonnage for this "unique" equipment is not included under the Mission and Support equipment identified in Table 2-B. For each cost included in the table above, identify the amount, year in which the cost will be incurred, the name of the gaining base and a brief description of the cost.

Losing Base: NSWC CRANE

MICROWAVE COMPONENTS TECHNICAL CAPABILITY

Cost	FY	Gaining Base	Description
$5,353.0K	98	NSYD NORFOLK	DLR Material Packing

DLR Material Packing and Preservation Costs

This labor cost will be incurred by NSWC/CD for packing and preservation of all DLR materials (cost based on 190 tons of DLR materials).

RADAR TECHNICAL CAPABILITY

Cost	FY	Gaining Base	Description
$3,763.0K	98	NSYD NORFOLK	Packing, Preservation and Handling of Crane Site Technical Capability Customer-owned Material
60.0K	98	NSYD NORFOLK	Ship and Pack 3 Trailers Airshock
1.2K	98	NSYD NORFOLK	Ship Classified Documentation and Test Equipment and Privacy Act Material
0.1K	98	NSYD NORFOLK	Soft Packaging of Classified Test Equipment
3.0K	98	NSYD NORFOLK	Soft Packaging/Label Properly Anti-Magnetic-Software & Video Cart

Crane is the **Designated Stock Point** for all equipment and materials which it performs repairs on. Additionally, Crane performs the **Controlled Environment Long Term** storage of systems which are designated for retention/reuse by the Navy and which Crane has Engineering agent responsibilities. This cost is the relocation of all systems, major equipments, depot level repairable, WRAs, SRAs, etc, which are currently in the inventory (244,790 cubic feet or 2,207 tons). This tonnage will be included in table 2-B. The costs were to A) package all the equipment/material IAW commercial rates for minimum protection requirements to ensure safe passage and B) equipment/material handling labor to stage and load commercial trucks.

A) Packaging and preservation. Costs were calculated using commercial standardized rate tables at the rate of $15.00 per cubic foot of material to be prepared for shipping via commercial conveyance. This rate provides average costs which meets minimum protection requirements to ensure safe passage via truck within CONUS.

244,790 cu. ft. X $15.00 per cu. ft. = $3,671,850

B) Equipment/material handling. Costs were calculated by anticipating the use of commercial truck transportation with van type trailers measuring 40 feet in length with a usable width of 8 feet. The total cubic feet of material that will be loaded per truck was

projected to be 1,280 cu.ft., a measure which will, on average, allow for both a legal shipment based on weight and ensure the prevention of damage to the material.

244,790 cu.ft. / 1,280 cu.ft. per truck = 191 trucks

Equipment/material handling labor will be required to pull the material/equipment from the warehouses, update inventory records and schedule the trucking actions. This is estimated at 10.5 hrs per truck.

191 tks X 10.5 hrs X $45.25 (stabilized rate) = $90,772

Total One-Time Moving cost:	
Packing and preservation:	$ 3,671,850
Material handling labor:	$ 90,772
TOTAL	$ 3,762,622

Brief description of equipment/material in storage:
AN/SPS-48E SYSTEMS, DLRs, Major Equipments (Antenna)
AN/SPS-49(V)5 SYSTEMS, DLRs, Major Equipments (transmitters)
AN/SPS-40E SYSTEMS, DLRs, Major Equipments (transmitters)
AN/SPS-67 SYSTEMS, DLRs, Major equipments (transmitters)

This is not a complete list; also, it should be understood that this description attempts to capture the flavor of the types of things in storage (i.e. multiple systems, multiple transmitters, multiple antennae). All of the equipment/material which is being transferred has been identified for reuse by NAVSEA.

Air Ride Trucking for Specialized Test Set Equipment

Specialized microwave test sets require special considerations for shipping by truck. The added cost includes special air-ride transportation and packaging requirements needed to protect this state-of-the-art high technology test equipment.

ELECTRONIC WARFARE TECHNICAL CAPABILITY

Cost	FY	Gaining Base	Description
$3,384.0K	99	Material Transfer	

Material Transfer

Packaging, preservation and defense reutilization marketing of all electronic equipment. Ready-for-issue and repairable items are properly stored with adequate protection to prevent damage with sufficient identification placed on containers. Preservation and packing shall be accomplished in accordance with MIL-STD-726-PRC (Packing Requirements Code) and supplemental packing instruction provided by the cognizant ICP.

In addition, packaging and preservation must be sufficient to meet commercial shipping requirements for domestic shipment. Special design methods of packaging and special container requirements apply when specified by the commodity specification or drwing. Marking of individual unit, intermediate pack and multi-pack shipping containers must be in accordance with MIL-STD-129 in addition to special markings required by packaging specifications/standards, commodity drawings or specifications.

ACOUSTIC SENSORS TECHNICAL CAPABILITY

Cost	FY	Gaining Base	Description
277.0K	99	NSYD NORFOLK	Towed Array Handler Disassembly
107.2K	99	NSYD NORFOLK	WQM-6 Packaging/Shipment
78.3K	99	NSYD NORFOLK	Acoustic Systems Packaging/ Shipment
113.1K	99	NSYD NORFOLK	Towed Array Handler Packaging/Shipment
113.1K	00	NSYD NORFOLK	Towed Array Handler Packaging/Shipment
392.3K	00	NSYD NORFOLK	Acoustic Systems Packaging/ Shipment
119.2K	00	NSYD NORFOLK	WQM-6 Packaging/Shipment

ELECTRONIC MODULE TEST & REPAIR TECHNICAL CAPABILITY

Cost	FY	Gaining Base	Description
10.0K	96	NSYD NORFOLK	Transfer of Equipment/ Material Data Base
141.0K	97	NSYD NORFOLK	Coordination of Move
547.0K	98	NSYD NORFOLK	Coordination of Move
291.0K	98	NSYD NORFOLK	Special Packaging and Handling of Specialized Test Set Equipment
475.0K	98	NSYD NORFOLK	Material Pack and Preserve
12.0K	98	NSYD NORFOLK	Supply Warehouse Labor

Coordination of Move

1.25 work years plus travel is identified in FY 97 to plan the technical aspects of the move from NSWC/CD to NNSY. Six work years plus travel is identified in FY 98, for NSWC/CD to coordinate the technical aspects of the move to NNSY. Technical coordination ensures the Fleet will continue to be supported during the transition period.

Experience gained during move into new MIL-CON facility in FY 94 indicates the planning and coordinating of technical aspects of move to NNSY, without impacting the Fleet, will be a massive effort above and beyond the normal cost of doing business. The estimate is conservative based on figures from the industrial engineer who planed/coordinated the technical aspects of move to new MIL-CON.

Planning/coordinating the technical aspects of the move will be a 5 member team consisting of an industrial engineer, a test engineer, a repair technician, a logistics specialist, and the project manager. Approximately 3 months will be spent by the team in doing the preliminary planning during FY 97. Intense coordination will be required during the move proposed in FY 98 and FY 99. This effort will take 100% of the team's time during FY 98.

(# Personnel) X (Time on Job/Year) X (Labor Rate) = Labor Cost of Coordination/Year
(5 Personnel) X (440 Hours/Year) X ($57.17) = $125,774 in FY 97

(# Personnel) X (# Trips) X (Cost/Trip) = Travel Cost
(5 Personnel) X (3 Trips) X (1000/Trip) = $15,000 in FY 97

Total Cost = $125,774 Labor + $15,000 Travel = $140,774 in FY 97

(5 Personnel) X (1757 Hours/Year) X ($57.17) = $502,238 in FY 98
(5 Personnel) X (9 Trips) X (1000/Trip) = $45,000 in FY 98

Total Cost = $502,238 Labor + $45,000 Travel = $547,238 in FY 98

Transfer of Equipment/Material Data Base

$10K is identified in FY 96 as a cost to NSWC/CD to transfer equipment/material data base from NSWC/CD to NNSY. Data base transfer will aid in smooth transition of equipment and material in FY1999 and FY2000. This cost includes travel to NNSY by NSWC/CD personnel to set up the data base and train NNSY personnel in it's use.

Special Packaging and Handling of specialized Test Set Equipment

Specialized electronic test sets require special considerations for shipping by truck. The added cost includes special air-ride transportation and packaging requirements needed to protect 18,493 cubic feet of sensitive test equipment. Cost is based on $15.00 per cubic foot of equipment and $931 per truckload (1280 cubic feet). This equipment is not included in Table 2-B tonnage.

(18493 X ($15)) + (18493/1280 X ($931)) = $290,845

Test Equipment Disassembly

This cost includes specialized electronic module engineering and technician expertise to disassemble and catalog, test and repair equipment in preparation for the P&P/shipping process. Three work years are identified in FY1998. This effort consists of two electrical engineers, one mechanical engineer and three engineering/electronics technicians spending 50% of their time during the transition period.

(# Personnel) X (Time on Job/Year) X (Labor Rate) = Cost of Disassembly/Year
(6 Personnel) X (1757/2 Hours/Year) X ($57.17) = $301,343

d. and e. Changes in Mission Costs. Items d. and e. should be used to identify those changes in mission costs that result from the closure/realignment action, but are not counted elsewhere in this data call response or COBRA algorithms. For example, **do not include** changes in non-payroll Base Operating Support (BOS), Family Housing Operations, housing allowances, CHAMPUS costs/savings, or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms. Examples of items to include here are changes in operating costs due to the transfer of workload to gaining bases, economies of scale, changes in travel requirements, differences in wage grade labor rates or locality pay differentials, changes in the amount of mission work performed on contract, and changes in utility requirements or ADP/telecommunications costs not included in responses provided in the Base Operating Support tables of Data Call 66.

For purposes of calculating changes in costs associated with the transfer of mission workload from a losing to a gaining base, the following information is provided below. Calculations should take into consideration both economies of scale and differences in operating costs. Remember, any salary savings resulting from eliminated military billets and/or civilian positions must be identified as a number of billets/positions eliminated in Table 2-C. **Do not include** basic salary and fringe benefit savings associated with billets/positions identified as eliminated on Table 2-C. Also, **do not identify** changes in the non-payroll BOS Costs (including non-payroll G&A for DBOF activities) reported in Data Call 66.

First, identify economies of scale by examining the historic pattern of how labor, overhead and other costs vary with workload volume (adjust prior year costs for inflation to make them comparable; use statistical tests to determine the type of relationship that exists). The relationship between costs and workload can then be used to estimate changes in labor and overhead rates which result from the projected change in workload. Economies of scale benefits will generally accrue to gaining bases on an incremental basis, as the workload ramps up, and will remain in future years after all workload is transitioned.

Second, calculate resulting changes in operating costs. Changes in operating costs should be calculated by pricing out direct labor manhours of work, using the projected labor and productive overhead rates (which have been adjusted to take into consideration economies of scale resulting from the workload transfer) for both the losing and gaining base. The difference in total costs associated with the workload transition is then identified as the net change in mission costs. Relative differences in the numbers of hours required to complete a project at the losing base and gaining base(s) should be taken into consideration, if identifiable. Also, include contract costs in this analysis, but unless cost changes are identifiable, assume that contract price rates will remain constant.

If a net change in mission costs is included in the data call response, the response must also include supporting data to show calculations and methodology used to estimate this change in costs. Furthermore, data used in these calculations must beconsistent with previously submitted certified data.

d. Net Mission Costs. Complete the following worksheet to identify any net recurring increases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost increase, identify the name of the gaining base where the workload will be transferred (if applicable), cost increases by year and describe the nature of the cost increase. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost increases.

Net Mission Costs (Cost Increases) Worksheet						
Losing Base: NSWC CRANE						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. NSYD NORFOLK	0	0	0	2521.0	539.8	566.4
Description: Loss of Surface/Airborne EW TC Co-location, Loss of EW/Microeletronics TC Co-location, Cost increase of unique engineering capability						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

ELECTRONIC WARFARE TECHNICAL CAPABILITY

Loss of Suface/Airborne EW Technical Capability Co-location

In addition, increased costs due to inefficiencies resulting from the splintering of the EW TC as it is now established at NSWC Crane will be realized. Currently the EW TC is a singularly unique co-location of specialized personnel and state-of-the-art facilities which provides technical synergism and efficiency unmatched in DOD for both Shipboard and Airborne systems.

NSWC Crane currently has over 3200 workyears of corporate EW experience and a multitude of facilities dedicated to EW mission support. The TC works as a combined unit to expand its knowledge base and to meet changing threats, environments and mission scenarios. Examples are:

1) sharing technical expertise on hardware, software and corrosion/physical repair problems,
2) sharing knowledgeable EW personnel as engineering and depot workload fluctuates,
3) development and use of common software facilities, databases and information services,
4) coordinating EW and microwave training classes, and
5) holding concurrent meetings with contractors, etc.

The loss of efficiencies would result in yearly increases in cost.

1. Sharing Technical Expertise:
   10 people x 6 trips each x 1.1K per trip = $66.0K (starting in FY 00)

2. Sharing EW Personnel:
   2 people x 1760 hours x $57.12/hr = $201K/year (starting in FY 99)

3. Common Software Facilities:
   1 person x 1760 hours x $57.12/hr = $100K/year (starting in FY 99)

4/5. Training/Meetings:
   1 person x 1760 hours x $57.12/hr = $100K/year (starting in FY 99)

TOTAL COSTS

FY 99	401.0K
FY 00	487.0K
BEYOND FY 00	511.0K

Enclosure (2)

Loss of EW/Miocroelectronic Technical Capability Co-location

The Shipboard Electronic Warfare Department currently utilizes the Microelectronics Technical Capability for several critical functions and tasks. the use of these state-of-the-art facilities and expertise will be required regardless of the locations of Shipboard functions.

These tasks currently include component obsolescence studies, new technology electgronic manufacturing and protytyping, detailed material and electronic failure analysis of components and Application Specific Integrated Circuit development. The continued use of these capabilities will result in additional recurring travel costs to maintain the coordination and communication necessary to ensure effective and efficient performance of depot and ISEA tasks.

Per Diem - 8 people x 6 trips each x $1.1K per trip = $52.8K (starting in FY 00)

Cost Increase of Unique Engineering Capabilities

Starting in FY99 and recurring is a cost of $2,120,000

Rationale:

Presently co-located at the Crane site with the ISE/Depot function is 40 workyears of unique engineering capabilities associated with microelectronic technology. This will not be available at the Norfolk site and must be obtained, most likely by contract

Calculation:

Historical experience of Engineering Contract Workyear	=	$150,000
Crane site planned workyear in FY99	=	$ 97,000
	Difference	$53,000

40 x $53,000 = $2,120,000 each year

Enclosure (2)

e. Net Mission Savings. Complete the following worksheet to identify any net recurring decreases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost decreases, identify the name of the gaining base where the workload will be transferred (if applicable), cost decreases by year and describe the nature of the cost decrease. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost decreases.

Net Mission Savings (Cost Decreases) Worksheet						
Losing Base: NSWC CRANE						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1.NSYD NORFOLK	NONE	NONE	NONE	NONE	NONE	NONE
Description:						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

f. Miscellaneous Recurring Costs. Identify any other recurring costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the amount, year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission costs shown above. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC CRANE

	Annual Cost	FY	Description
1.	None		

g. Miscellaneous Recurring Savings. Identify any other recurring savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the amount, year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission Costs shown above. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC CRANE

	Annual Savings	FY	Description
1.	None		

h. Land Sales. Identify any proceeds, if identifiable and realistically expected to be received, which would be realized through the sale of excessed property at the losing base(s). In most cases, proceeds will not be realized from the sale of land at closed activities. However, if unusual circumstances warrant, identify estimated amount of proceeds, number of acres to be sold and rationale for assuming that proceeds will be obtained.

Losing Base: NSWC CRANE

Revenues	No. of Acres	Rationale
1. None		

i. Procurement Cost Avoidances. Identify any procurement cost avoidances which would be realized as a result of the closure/realignment scenario. Items identified here must not include any funds, regardless of appropriation, identified as BOS costs in Data Call 66. An example of a cost to include here would be a planned "Other Procurement account" purchase of a computer system, which will no longer be required as a result of the closure/realignment action. For each cost avoidance, identify the amount, year in which the cost would have been incurred, whether the cost avoidance is one-time or recurring in nature, and the nature of the cost avoidance.

Losing Base: NSWC CRANE

Cost	FY	One-Time/Recurring	Explanation
1. None			

j. Facility Shutdown. If an activity is being realigned but not completely closed, then identify the number of square feet of Class 2 real property (buildings), excluding family housing, MWR and utilities facilities, which will be shut down at the losing base as a result of this action. If an activity is being completely closed, then just enter "All". The Base Loading Data Attachment includes an identification of total square feet for the activity and should be referred to in answering this question. Note that this entry should be shown in "thousands of square feet" (KSF).

Losing Base: NSWC CRANE

Facility KSF Shutdown: 805.6

Summarize data shown in response to supporting data questions a. through j. above in the following table. Note that all entries must be shown in ($000).

Table 2-F: Dynamic Base Information Summary

Losing Base: NSWC CRANE								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs	5628.0	19112.8	17579.0	1513.3	1026.2	0	44,859.3
b.	One-Time Unique Svgs	0	0	0	6,300.0	0	0	6,300
c.	One-Time Move Costs	10.0	141.0	10806.3	3959.6	624.6	0	15,541.5
d.	Net Mission Costs	0	0	10806.3	2521.0	539.8	566.4	3,627.2
e.	Net Mission Savings	0	0	0	0	0	0	0
f.	Misc Recur Costs	0	0	0	0	0	0	0
g.	Misc Recur Savings	0	0	0	0	0	0	0
h.	Land Sales	0	0	0	0	0	0	0
i.	Procurement Cost Avoid	0	0	0	0	0	0	0

j. Fac. Shutdown (KSF)	805.6

NOTE: 253,229 KSF of operations
552,409 KSF of storage

SCENARIO NUMBER 2-14-0117-013A, ALT 3 - Shipyards
(Resulting from Additional In-Service Engineering by NSWC Crane, December 8, 1994)

NORFOLK NAVAL SHIPYARD
REMOVE SHIP/SEA SYSTEMS WORK FROM NSWC CRANE; REALIGN THIS WORK TO NORFOLK NAVAL SHIPYARD.

NORFOLK NAVAL SHIPYARD COMMENT ON THIS SCENARIO

The response to this scenario is based on the assumption that the R&D Engineering remains at NSWC, Crane.

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

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

ACTIVITY COMMANDER

CAPT W. R. KLEMM
NAME (Please type or print)

W R Klemm
Signature

SHIPYARD COMMANDER
Title

12/9/94
Date

NORFOLK NAVAL SHIPYARD
Activity

SCENARIO NUMBER 2-14-0114-012A, ALT 2 - Shipyards
(Resulting from Additional In-Service Engineering by NSWC Crane, December 8, 1994)

NORFOLK NAVAL SHIPYARD
REMOVE SHIP/SEA SYSTEMS WORK FROM NSWC CRANE; REALIGN THIS WORK TO NORFOLK NAVAL SHIPYARD.

NORFOLK NAVAL SHIPYARD COMMENT ON THIS SCENARIO

The response to this scenario is based on the assumption that the R&D Engineering remains at NSWC, Crane.

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

ACTIVITY COMMANDER

CAPT W. R. KLEMM
NAME (Please type or print)

W R Klemm
Signature

SHIPYARD COMMANDER
Title

12/9/94
Date

NORFOLK NAVAL SHIPYARD
Activity

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-0114-012A
Scenario Title:	ALT 2 - Shipyards
Date:	9 December 1994

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	W. A. " Buddy" Trueblood, Jr.
Organization/Code:	Norfolk Naval Shipyard Code 1220 Portsmouth, VA 23709-5000
Office Phone Number:	(804) 396-8114 (DSN) 961-8114
Fax Number:	(804) 396-2626
Home Phone Number	(804) 482-1849

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table,** e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third column of the table

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-0117-013A
Scenario Title:	ALT 3 - Shipyards
Date:	9 December 1994

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	W. A. " Buddy" Trueblood, Jr.
Organization/Code:	Norfolk Naval Shipyard Code 1220 Portsmouth, VA 23709-5000
Office Phone Number:	(804) 396-8114 (DSN) 961-8114
Fax Number:	(804) 396-2626
Home Phone Number	(804) 482-1849

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table**, e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third column of the table

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

should be used to identify relevant information regarding workload/missions to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload /Missions Transferring
NSWC Crane	Norfolk Naval Shipyard	Ship/Sea Systems work

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

Enclosure (1)

December 9, 1994 Norfolk Naval Shipyard, N00181

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	Norfolk Naval Shipyard

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: Norfolk Naval Shipyard

	Cost	FY	Location	Description
1.	None			No impact on local community.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: Norfolk Naval Shipyard

Cost	FY	Description
$4,170.0	97	Radar Technical Capability Equipment purchase to replace that maintained for R&D in Crane and installation costs
$3,312.8	99	Radar Technical Capability: Equipment installation costs
$21,503	97	Microwave Components Technical Capability: Equipment purchase to replace that maintained for R&D in Crane and installation costs
$5,646.9	97	Electronic Warfare Technical Capability: Equipment purchase to replace that maintained for R&D in Crane and installation costs. Includes physical repair/corrosion control, anechoic chamber, production control network, and software support.
$1,558	99	Electronic Warfare Technical Capability: Equipment installation costs
$3,014.3	96	Acoustic Sensors Technical Capability: Equipment purchase and installation costs
$783.0	99	Acoustic Sensors Technical Capability: Equipment purchase and installation costs
$1,136.3	00	Acoustic Sensors Technical Capability: Equipment purchase and installation costs

December 9, 1994 **Norfolk Naval Shipyard, N00181**

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Cost	FY	Description
$1,291.9	99	Electronic Module Test and Repair Technical Capability: Equipment installation costs
$2,362	97	Electronic Module Test and Repair Technical Capability: Equipment purchase and installation costs

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: Norfolk Naval Shipyard

	Cost	FY	Description
1.			None identified.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

c. Environmental Mitigation. Environmental cleanup costs at closing bases are not considered in COBRA, since these costs will be incurred regardless of whether the activity is closed or remains opened. If, however, additional environmental costs are incurred at gaining bases as the result of a transfer of functions or personnel, these costs should be identified, e.g., wetland mitigation, environmental impact statements at gaining bases, new permits, etc. Identify below any non-Military Construction environmental mitigation costs which will be incurred as a result of this closure/realignment action. (Note: Military Construction Costs for environmental mitigation are identified in Table 3-B). For each cost, identify the amount, year in which the cost will be incurred and a brief description of the cost.

Gaining Base: Norfolk Naval Shipyard

	Cost	FY	Description
1.	None identified.		

d. Miscellaneous Recurring Costs. Identify any other recurring costs associated with the closure/realignment action at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.). Do not double count any costs identified on Losing Base tables (Enclosure (2)).

Gaining Base: Norfolk Naval Shipyard

Annual Cost	FY	Description
$0		None identified.

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: Norfolk Naval Shipyard

	Annual Savings	FY	Description
1.	None identified.		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: Norfolk Naval Shipyard

	Cost	No. of Acres	FY	Description
1.	None required.			

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: Norfolk Naval Shipyard								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	$3,014.3	$33,681.9	0	$6,945.7	$1,136.3	0	$44,778.2
b.	One-Time Unique Savings	0	0	0	0	0	0	0
c.	Environ. Mitigation	0	0	0	0	0	0	0
d.	Misc. Recurring Costs	0	0	0	0	0	0	0
e.	Misc. Recurring Savings	0	0	0	0	0	0	0
f.	Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.

- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.

- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description of the requirement in the "Comment" column of the table.

- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

Table 3-B: MILCON Requirements

Gaining Base Name: Norfolk Naval Shipyard			
Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)			
Berthing (FB)			
Air Maintenance (SF)			
Other Operations (SF)			
Administrative (SF)			
Training (SF)			
Maintenance (SF)			
Bachelor Quarters (SF)			
Supply/Storage (SF)			
Dining Facilities (SF)			
Personnel Support (SF)			
Communications (SF)			
Ship Maintenance (SF)		200,000	Special requirements include: clean room, top secret work space, anechoic chamber
RDT&E (SF)			
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			
Environmental	$	$	

December 9, 1994 **Norfolk Naval Shipyard, N00181**

BRAC-95 SCENARIO DEVELOPMENT DATA CALL

ENCLOSURE (3) - GAINING BASE QUESTIONS

Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)			
Other: - - -	37,000 sf		Electronic Labs and Test Labs--Special Requirements: Paint booths, bridge crane
		25,000 sf	25,000 sf @ $40 /sf: Reconfigure office/lab space for shore communications at St. Juliens Creek Annex to electronic warfare
			Note 1 Note 2
	$ $ $	$ $ $	

Note:

1 Norfolk NSYD will locate the Electronic Warfare process at St. Juliens Creek Annex. The total requirement is 82,000 square feet. The downsizing of NISE East will return two buildings to the Norfolk NSYD for 45,000 sf. One building of 25,000 sf will require renovation/reconfiguration. The remaining 20,000 sf building requires no renovation.

2 If the electronics warfare work were to be integrated with NISE East work, the entire 82,000 sf could be absorbed by NISE East with no new construction.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL REVISED AS OF 11-20-94
ATTACHMENT 1: BASE LOADING DATA

Activity: 00164 NSWC DIV CRANE

PART I: MANPOWER DATA - HOST AND TENANTS. This data is provided to assist you in identifying military billets and civilian positions which will either be relocated or eliminated as a result of closure or realignment. Officer (OFF), Enlisted (ENL) and Civilian (CIV) numbers reflect end strength, not on-board counts. The "Planned Force Structure Reduction" column represents the difference between projected "Beginning of FY 1996" and projected "End of FY 2001" end strength. The source of this data is the BUPERS/NAVCOMPT/CMC data bases in support of the FY 1996/1997 OSD Submit. Review this list and make any necessary annotations, including the addition or deletion of lines of data to accurately reflect the host and tenant population. Note that Military Students (STU) must be shown as an Average On-Board (AOB) count. If a significant student population is located at the activity, then all students need to be identified in this table. Student data need only be provided for the "End of FY 2001" column of the table. If any numbers are changed, please provide a revised set of totals at the end of the listing.

	UIC	NAME	MAJOR CLAIMANT	BEGIN FY 1996 OFF	ENL	CIV	STU	PLANNED FORCE STRUCTURE CHANGES OFF	ENL	CIV	STU	END FY 2001 OFF	ENL	CIV	STU
	N 00164	NSWC DIV CRANE	COMNAVSEASYS	7	~~16~~ 15	0	0	~~8~~ -2	0	0	0	~~7~~ 5	~~16~~ 15	0	0
	N 43050	CUSTOMER SERVICE BRANCH	CINCLANTFLT	0	0	~~8~~ 2	0	0	0	0	0	0	0	~~8~~ 2	0
	N 30702	EXPLOSIVE ORDNANCE DISPOSAL	CINCLANTFLT	1	4	0	0	0	0	0	0	1	4	0	0
LETE	~~N 00164~~	~~ARMY AMMO ACTY CRANE IND~~	~~COMMARCOR~~	0	~~4~~	0	0	0	0	0	0	0	~~4~~	0	0
LETE	~~N 00164~~	~~LNO NAVAMPROENGCEN CRANE~~	~~COMMARCOR~~	~~2~~	0	0	0	0	0	0	0	~~2~~	0	0	0
	N 47611	NAVWPNSUPPCEN CRANE IN	COMNAVSEASYS	1	9	0	0	0	0	0	0	1	9	0	0
	N 45689	NAVWPNSUPPCEN SMCA DET CRA	COMNAVSEASYS	1	0	0	0	0	0	0	0	1	0	0	0
	00164	NSWC CRANE	COMNAVSEASYS	0	0	3,252	0	0	0	-491	0	0	0	2,761	0
	00164	NSWC CRANE SULLIVAN IN DET	COMNAVSEASYS	0	0	4	0	0	0	2	0	0	0	6	0
	N 63904	NAVAL SECURITY GROUP	COMNAVSECGRP	2	52	0	0	0	-15	0	0	2	37	0	0
	N 60660	NAVY EXCHANGE DETACHMENT	COMNAVSUPSYS	0	1	0	0	0	0	0	0	0	1	0	0
	N 63285	NAVAL CRIMINAL INVESTIGATIVE	SECNAV	0	0	0	0	0	0	0	0	0	0	0	0
LETE	~~N 45771~~	~~NCISRA CRANE~~	~~SECNAV~~	0	0	0	0	0	0	0	0	0	0	0	0
			TOTALS:	12 ~~14~~	81 ~~80~~	3,258 ~~3,256~~	0	0	-15	-489	0	10 ~~14~~	66 ~~80~~	2,769 ~~2,767~~	0
	82330	US MARINE CORPS	UNKNOWN	2	1	0	0	0	0	0	0	2	1	0	0
	30845	NAVTECHREP SPAUL NSWC CRANE	COMNAVSEASYS	2	0	0	0	-1	0	0	0	1	0	0	0
			TOTALS	16	82	3,258	0	-3	-15	-489	0	13	67	2,769	0

CHANGED TO RECONCILE WITH CP7, BASE STRUCTURE ANNEX REPORT, BUPERS, AND NAVCOMPT

Crane 1 of 5

BRAC-95 SCENARIO DEVELOPMENT DATA CALL REVISED AS OF 11-20-94
ATTACHMENT 1: BASE LOADING DATA

PART 3: MANPOWER DATA - SPECIAL USE AREAS. This is a list of "special use areas" assigned to the activity being considered for closure or realignment. Please review this list and determine which, if any, of these special use areas will also be closed as a result of this action. If so, note this fact in the "Closed?" column, and then identify the fiscal year in which the area will be closed. For any special use areas which will be closed, corresponding numbers of billets/positions must be incorporated both into the "End FY 2001 Activity Population" and also the "Eliminated and Relocated Billets/Positions" data in your data call response. Manpower estimates shown below reflect Data Call 1 estimates. Please ensure that accurate "End of FY 2001" data is used in your response; as well as ensuring that you do not double count any numbers already shown on Part 1 of this

UIC	NAME	MAJOR CLAIMANT	CITY	STATE	OFF	ENL	CIV	Non-DOD	CLOSED?	FY
N00164	HYDROACOUSTIC TEST AREA	COMNAVSEASYS	SULLIVAN	IN	0	0	0	0	YES	1998
				TOTALS:	0	0	0	0		

Numbers for Hydroacoustic Test Area are included in Part 1.

Crane 2 of 5

BRAC-95 SCENARIO DEVELOPMENT DATA CALL REVISED AS OF 11-20-94
ATTACHMENT 1: BASE LOADING DATA

NOV 18 '94 04:01PM NSWC

PART 4: MANPOWER DATA - NON-DEPARTMENT OF THE NAVY (DON) TENANTS. This is a list of non-DON tenant activities located at the installation. If any of these tenants need to be relocated as a result of the closure/realignment action, then identify the number of billets/positions to be relocated, the fiscal year in which the relocation will take place, and the name/location of the receiving site. Manpower numbers associated with these relocations must then be incorporated into the total "End FY 2001 Activity Population" and the "Relocated Billets/Positions" data in the data call response. Manpower numbers shown below reflect Data Call 1 estimates. Please ensure that accurate "End of FY 2001"

UIC	NAME	MAJOR CLAIMANT	OFF	ENL	CIV	Non-DOD	FY	RECEIVING BASE
D 44204	ENGINEERING FIELD ACTIVITY	COMNAVFAC	2	0	16	0	2001	CRANE ARMY AMMUNITION ACTIVITY
* D 49109	DEFENSE COMMISSARY AGENCY	DECA	0	3 ~~6~~	0	0	1996	SEE NOTE
** D 39EAA	CRANE ARMY AMMUNITION ACTIVITY	unknown	3	1	630	0	1996	CRANE ARMY AMMUNITION ACTIVITY
D HQ0103	DEFENSE FINANCE & ACCOUNTING	unknown	0	0	28	0	2001	CRANE ARMY AMMUNITION ACTIVITY
D DX1395	DEFENSE REUTILIZATION ^	unknown	0	0	22 ~~20~~	0	2001	CRANE ARMY AMMUNITION ACTIVITY
D 70098	US COAST GUARD SMALL ARMS	unknown		3	0	0	1996	NSWC LOUISVILLE
		TOTALS:	6	7 ~~10~~	696 ~~694~~	0		
BX3VFFPF	US AIR FORCE	unknown	1	0	0	0	1996	CRANE ARMY AMMUNITION ACTIVITY
		TOTALS	7	7	696	0		

* MILITARY BILLETS ELIMINATED FY 96

PART 4:
CHANGED TO RECONCILE WITH CP7, BASE STRUCTURE ANNEX REPORT, BUPERS, AND NAVCOMPT

** PER DIRECTION OF BSAT REPRESENTATIVE GERRY SCHIEFFER ON 18 NOV, CONSIDER THAT CRANE ARMY AMMUNITION ACTIVITY WILL REMAIN IN PLACE.

Crane 3 of 5

BRAC-95 SCENARIO DEVELOPMENT DATA CALL REVISED AS OF 11-20-94
ATTACHMENT 1: BASE LOADING DATA

PART 5: TOTAL FACILITY SQUARE FEET. This is the total Class 2 facility square feet, excluding family housing, MWR and utilities, as reported in the Naval Facilities Assets Data Base (NFADB). This figure is used in determining the number of square feet which will be "shut down" as a result of the closure action.

Total Facility Square Feet (in thousands): ~~5,390~~ 10,451

PART 6: BASE OPERATING SUPPORT (BOS) COST DATA. This is the total BOS costs reported for the host and tenant activities in Data Call 66. Please review this data and ensure that it is consistent with FY 1996 OSD Submit budget data. If BOS cost data needs to be revised, specific revisions should be noted on a revised copy of the appropriate Data Call 66 table(s), which should then be returned with this data call response.

			***** O&M, etc. *****				***** MBOR *****				***** TOTAL *****			
UIC	NAME	MAJOR CLAIMANT	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY
00164	NSWC INV CRANE	COMNAVSEASYSCO	50 ~~0~~	98 ~~0~~	481 0	763 ~~0~~	4848 ~~0~~	2637 ~~0~~	9625 ~~0~~	37469 ~~0~~	4898 ~~0~~	2735 ~~0~~	10106 ~~0~~	38232 ~~0~~
00164	HYDROACOUSTIC TEST AREA	COMNAVSEASYSCO	0	0	0	0	0	0	0	0	0	0	0	0
		TOTALS:	50 ~~0~~	98 ~~0~~	481 ~~0~~	763 ~~0~~	4848 ~~0~~	2637 ~~0~~	9625 ~~0~~	37469 ~~0~~	4898 ~~0~~	2735 ~~0~~	10106 ~~0~~	38232 ~~0~~

PART 5:
CHANGED TO RECONCILE WITH NFADB.

PART 6:
CHANGED TO RECONCILE WITH FY96 OSD SUBMIT.

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BRAC-95 SCENARIO DEVELOPMENT DATA CALL REVISED AS OF 11-20-94
ATTACHMENT 1: BASE LOADING DATA

PART 7: CONTRACT WORKYEAR DATA. This is the total contract workyear data reported by the host and tenant activities in Data Call 66. Please review this data, especially the columns regarding contract workyears which will either be eliminated or transferred as a result of the closure/realignment action. Sum of workyears transferred + eliminated + remaining at activity must equal Total Contract Workyears. Annotate corrections as necessary.

UIC	NAME	MAJOR CLAIMANT	TOTAL CONTRACT WORKYEARS	NO. OF WORK-YEARS TO BE TRANSFERRED	NO. OF WORK-YEARS TO BE ELIMINATED	NO. OF WORK-YEARS REMAINING AT ACTIVITY
00164	NSWC DIV CRANE	COMNAVSEASYS	851.0 ~~0~~	499 ~~0~~	165.5 ~~0~~	186.5 ~~0~~
00164	HYDROACOUSTIC TEST AREA	COMNAVSEASYS	0	0	0	0
		TOTALS:	851.0 ~~0~~	499 ~~0~~	165.5 ~~0~~	186.5 ~~0~~

Numbers for Hydroacoustic Test Area are included in Part 1.

Crane 5 of 5

Document Separator

Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Starting Year : 1996
Final Year : 2000
ROI Year : 2004 (4 Years)

NPV in 2015($K): -201,019
1-Time Cost($K): 126,144

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	7,818	5,001	20,002	40,380	0	0	73,002	0
Person	-189	-1,539	-4,435	-9,326	-17,372	-23,431	-56,292	-23,431
Overhd	1,999	1,488	1,477	1,945	1,533	-3,117	5,326	-3,117
Moving	86	2,359	4,060	9,065	11,739	0	27,310	0
Missio	0	0	0	0	0	0	0	0
Other	490	500	6,060	7,969	0	0	15,019	0
TOTAL	10,004	7,810	27,164	50,034	-4,100	-26,548	64,365	-26,548

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	4	0	4
Enl	0	0	0	0	0	0	0
Civ	8	46	66	132	171	0	423
TOT	8	46	66	132	175	0	427
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	2	0	9	0	11
Stu	0	0	0	0	0	0	0
Civ	0	24	105	301	454	0	884
TOT	0	24	107	301	463	0	895

Summary:

CLOSE NSWC LOUISVILLE; TRANSFER DEPOT WORKLOAD TO NSY NNSY
TRANSFER OTHER WORKLOAD AS APPROPRIATE
SCENARIO 012

SCENARIO 012

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	7,618	5,001	20,002	40,380	0	0	73,002	0
Person	29	157	334	858	1,279	51	2,708	51
Overhd	2,019	1,660	2,036	3,531	5,268	3,626	18,142	3,626
Moving	86	2,359	4,062	9,065	11,747	0	27,320	0
Missio	0	0	0	0	0	0	0	0
Other	490	500	6,060	7,969	0	0	15,019	0
TOTAL	10,243	9,677	32,494	61,804	18,294	3,677	136,190	3,677

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	219	1,695	4,769	10,184	18,651	23,481	59,000	23,481
Overhd	21	172	559	1,586	3,735	6,743	12,815	6,743
Moving	0	0	2	0	8	0	10	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	239	1,867	5,330	11,769	22,394	30,225	71,825	30,225

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/5
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	73,002,020	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		73,002,020
Personnel		
Civilian RIF	1,685,122	
Civilian Early Retirement	644,842	
Civilian New Hires	0	
Eliminated Military PCS	18,108	
Unemployment	247,428	
Total - Personnel		2,595,500
Overhead		
Program Planning Support	6,122,758	
Mothball / Shutdown	2,085,000	
Total - Overhead		8,207,758
Moving		
Civilian Moving	16,625,173	
Civilian PPS	3,715,200	
Military Moving	55,180	
Freight	6,924,194	
One-Time Moving Costs	0	
Total - Moving		27,319,748
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	15,019,000	
Total - Other		15,019,000
Total One-Time Costs		126,144,026
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	9,926	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		9,926
Total Net One-Time Costs		126,134,100

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/5
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC LOUISVILLE, KY
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	1,685,122	
Civilian Early Retirement	644,842	
Civilian New Hires	0	
Eliminated Military PCS	18,108	
Unemployment	247,428	
Total - Personnel		2,595,500
Overhead		
Program Planning Support	6,122,758	
Mothball / Shutdown	2,085,000	
Total - Overhead		8,207,758
Moving		
Civilian Moving	16,625,173	
Civilian PPS	3,715,200	
Military Moving	55,180	
Freight	6,924,194	
One-Time Moving Costs	0	
Total - Moving		27,319,748
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		0
Total One-Time Costs		38,123,006
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	9,926	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		9,926
Total Net One-Time Costs		38,113,080

ONE-TIME COST REPORT (COBRA v5.08) - Page 3/5
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

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Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK, VA
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	72,352,020	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		72,352,020
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	8,321,000	
Total - Other		8,321,000
Total One-Time Costs		80,673,020
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		80,673,020

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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC CRANE, IN
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	650,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		650,000
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	6,018,000	
Total - Other		6,018,000
Total One-Time Costs		6,668,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		6,668,000

ONE-TIME COST REPORT (COBRA v5.08) - Page 5/5
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC PORT HUENEME, CA
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	680,000	
Total - Other		680,000
Total One-Time Costs		680,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		680,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/5
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NSWC LOUISVILLE	0	0	0	0	0
NSY NORFOLK	72,352	0	0	0	72,352
NSWC CRANE	650	0	0	0	650
NSWC PORT HUENEME	0	0	0	0	0
Totals:	73,002	0	0	0	73,002

MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 2/5
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

MilCon for Base: NSY NORFOLK, VA

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
HIGH BAY STORAGE	STORA	0	0	100,000	14,139	14,139
NSWC LOUISVILLE						
SHOP SPACE	SHPYD	0	0	300,000	58,212	58,212
NSWC LOUISVILLE: CLEAN RM, RCKT MTR SLAB ETC.						

Total Construction Cost:	72,352
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
TOTAL:	72,352

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

MilCon for Base: NSWC CRANE, IN

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
MK 45/75 SITE	SHPYD	3,500	n/a	0	n/a	650
NSWC LOUISVILLE: MK 45/75 TEST PLATFORMS						

Total Construction Cost:	650
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
TOTAL:	650

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NSWC LOUISVILLE, KY

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
5	11	0	1,607

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	-1	0	0	0	0	0	-1
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	-300	0	0	0	0	0	-300
TOTAL	-301	0	0	0	0	0	-301

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
4	11	0	1,307

PERSONNEL REALIGNMENTS:

To Base: NSY NORFOLK, VA

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	11	34	139	285	0	469
TOTAL	0	11	34	139	285	0	469

To Base: NSWC CRANE, IN

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	13	71	127	17	0	228
TOTAL	0	13	73	127	17	0	230

To Base: NSWC PORT HUENEME, CA

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	9	0	9
Students	0	0	0	0	0	0	0
Civilians	0	0	0	35	152	0	187
TOTAL	0	0	0	35	161	0	196

TOTAL PERSONNEL REALIGNMENTS (Out of NSWC LOUISVILLE, KY):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	2	0	9	0	11
Students	0	0	0	0	0	0	0
Civilians	0	24	105	301	454	0	884
TOTAL	0	24	107	301	463	0	895

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	-4	0	-4
Enlisted	0	0	0	0	0	0	0
Civilians	-8	-46	-66	-132	-171	0	-423
TOTAL	-8	-46	-66	-132	-175	0	-427

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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: NSY NORFOLK, VA

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
75	106	0	8,952

PERSONNEL REALIGNMENTS:
From Base: NSWC LOUISVILLE, KY

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	11	34	139	285	0	469
TOTAL	0	11	34	139	285	0	469

TOTAL PERSONNEL REALIGNMENTS (Into NSY NORFOLK, VA):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	11	34	139	285	0	469
TOTAL	0	11	34	139	285	0	469

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
75	106	0	9,421

PERSONNEL SUMMARY FOR: NSWC CRANE, IN

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
14	83	0	3,256

PERSONNEL REALIGNMENTS:
From Base: NSWC LOUISVILLE, KY

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	13	71	127	17	0	228
TOTAL	0	13	73	127	17	0	230

TOTAL PERSONNEL REALIGNMENTS (Into NSWC CRANE, IN):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	2	0	0	0	2
Students	0	0	0	0	0	0	0
Civilians	0	13	71	127	17	0	228
TOTAL	0	13	73	127	17	0	230

PERSONNEL SUMMARY REPORT (COBRA v5.08) - Page 3
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
14	85	0	3,484

PERSONNEL SUMMARY FOR: NSWC PORT HUENEME, CA

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
257	3,452	35	3,512

PERSONNEL REALIGNMENTS:
From Base: NSWC LOUISVILLE, KY

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	9	0	9
Students	0	0	0	0	0	0	0
Civilians	0	0	0	35	152	0	187
TOTAL	0	0	0	35	161	0	196

TOTAL PERSONNEL REALIGNMENTS (Into NSWC PORT HUENEME, CA):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	9	0	9
Students	0	0	0	0	0	0	0
Civilians	0	0	0	35	152	0	187
TOTAL	0	0	0	35	161	0	196

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
257	3,461	35	3,699

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	24	105	301	454	0	884
Early Retirement*	10.00%	0	2	10	31	45	0	88
Regular Retirement*	5.00%	0	2	6	15	23	0	46
Civilian Turnover*	15.00%	0	4	16	45	69	0	134
Civs Not Moving (RIFs)*+		0	2	6	18	27	0	53
Civilians Moving (the remainder)		0	14	67	192	290	0	563
Civilian Positions Available		0	10	38	109	164	0	321
CIVILIAN POSITIONS ELIMINATED		8	46	66	132	171	0	423
Early Retirement	10.00%	1	5	7	13	17	0	43
Regular Retirement	5.00%	0	2	3	7	9	0	21
Civilian Turnover	15.00%	1	7	10	20	26	0	64
Civs Not Moving (RIFs)*+		0	3	4	8	10	0	25
Priority Placement#	60.00%	5	28	40	79	103	0	255
Civilians Available to Move		1	1	2	5	6	0	15
Civilians Moving		0	1	2	5	6	0	14
Civilian RIFs (the remainder)		1	0	0	0	0	0	1
CIVILIAN POSITIONS REALIGNING IN		0	24	105	301	454	0	884
Civilians Moving		0	15	69	197	296	0	577
New Civilians Hired		0	9	36	104	158	0	307
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		1	7	17	44	62	0	131
TOTAL CIVILIAN RIFS		1	5	10	26	37	0	79
TOTAL CIVILIAN PRIORITY PLACEMENTS#		5	28	40	79	103	0	255
TOTAL CIVILIAN NEW HIRES		0	9	36	104	158	0	307

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 2/5
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC LOUISVILLE, KY	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	24	105	301	454	0	884
Early Retirement*	10.00%	0	2	10	31	45	0	88
Regular Retirement*	5.00%	0	2	6	15	23	0	46
Civilian Turnover*	15.00%	0	4	16	45	69	0	134
Civs Not Moving (RIFs)*	6.00%	0	2	6	18	27	0	53
Civilians Moving (the remainder)		0	14	67	192	290	0	563
Civilian Positions Available		0	10	38	109	164	0	321
CIVILIAN POSITIONS ELIMINATED		8	46	66	132	171	0	423
Early Retirement	10.00%	1	5	7	13	17	0	43
Regular Retirement	5.00%	0	2	3	7	9	0	21
Civilian Turnover	15.00%	1	7	10	20	26	0	64
Civs Not Moving (RIFs)*	6.00%	0	3	4	8	10	0	25
Priority Placement#	60.00%	5	28	40	79	103	0	255
Civilians Available to Move		1	1	2	5	6	0	15
Civilians Moving		0	1	2	5	6	0	14
Civilian RIFs (the remainder)		1	0	0	0	0	0	1
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		1	7	17	44	62	0	131
TOTAL CIVILIAN RIFS		1	5	10	26	37	0	79
TOTAL CIVILIAN PRIORITY PLACEMENTS#		5	28	40	79	103	0	255
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK, VA	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	11	34	139	285	0	469
Civilians Moving		0	6	22	89	183	0	300
New Civilians Hired		0	5	12	50	102	0	169
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	5	12	50	102	0	169

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC CRANE, IN	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	13	71	127	17	0	228
Civilians Moving		0	9	47	86	16	0	158
New Civilians Hired		0	4	24	41	1	0	70
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	4	24	41	1	0	70

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC PORT HUENEME, CA	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	35	152	0	187
Civilians Moving		0	0	0	22	97	0	119
New Civilians Hired		0	0	0	13	55	0	68
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	13	55	0	68

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/15
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	7,618	5,001	20,002	40,380	0	0	73,002
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	21	107	213	554	789	0	1,685
Civ Retire	5	34	84	216	305	0	645
CIV MOVING							
Per Diem	0	42	190	620	1,137	0	1,988
POV Miles	0	1	3	20	59	0	84
Home Purch	0	155	714	2,043	3,094	0	6,006
HHG	0	97	447	1,313	2,072	0	3,929
Misc	0	10	48	138	207	0	404
House Hunt	0	28	123	430	856	0	1,437
PPS	86	403	576	1,152	1,497	0	3,715
RITA	0	66	302	910	1,499	0	2,777
FREIGHT							
Packing	0	4	18	49	76	0	146
Freight	0	1,552	1,635	2,389	1,202	0	6,778
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	3	16	31	81	116	0	247
OTHER							
Program Plan	2,007	1,505	1,129	847	635	0	6,123
Shutdown	13	110	273	683	1,006	0	2,085
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	8	0	8
POV Miles	0	0	0	0	3	0	3
HHG	0	0	6	0	30	0	36
Misc	0	0	1	0	6	0	8
OTHER							
Elim PCS	0	0	0	0	18	0	18
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	490	500	6,060	7,969	0	0	15,019
TOTAL ONE-TIME	10,243	9,633	31,854	59,797	14,617	0	126,144

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/15
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	-0	452	1,151	1,151	1,151	3,905	1,151
BOS	0	45	183	850	2,475	2,475	6,029	2,475
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	5	5	51	51	112	51
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	45	640	2,007	3,677	3,677	10,046	3,677
TOTAL COST	10,243	9,677	32,494	61,804	18,294	3,677	136,190	3,677

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	2	0	8	0	10
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	2	0	8	0	10

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	8	82	316	907	1,993	2,718	6,024	2,718
BOS	13	90	243	679	1,741	4,025	6,791	4,025
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	219	1,695	4,758	10,173	18,459	23,135	58,440	23,135
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	153	307	461	307
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	11	11	39	39	99	39
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	239	1,867	5,328	11,769	22,386	30,225	71,815	30,225
TOTAL SAVINGS	239	1,867	5,330	11,769	22,394	30,225	71,825	30,225

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/15
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Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	7,618	5,001	20,002	40,380	0	0	73,002
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	26	141	297	771	1,094	0	2,330
Civ Moving	86	2,359	4,055	9,065	11,699	0	27,264
Other	2,023	1,631	1,433	1,611	1,757	0	8,455
MIL PERSONNEL							
Mil Moving	0	0	5	0	58	0	63
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	490	500	6,060	7,969	0	0	15,019
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	10,243	9,633	31,852	59,797	14,609	0	126,134

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-8	-82	136	244	-842	-1,567	-2,119	-1,567
BOS	-13	-45	-60	172	734	-1,550	-763	-1,550
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	-219	-1,695	-4,758	-10,173	-18,459	-23,135	-58,440	-23,135
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	-153	-307	-461	-307
House Allow	0	0	-5	-5	12	12	13	12
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-239	-1,823	-4,688	-9,762	-18,709	-26,548	-61,769	-26,548
TOTAL NET COST	10,004	7,810	27,164	50,034	-4,100	-26,548	64,365	-26,548

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC LOUISVILLE, KY

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	21	107	213	554	789	0	1,685
Civ Retire	5	34	84	216	305	0	645
CIV MOVING							
Per Diem	0	42	190	620	1,137	0	1,988
POV Miles	0	1	3	20	59	0	84
Home Purch	0	155	714	2,043	3,094	0	6,006
HHG	0	97	447	1,313	2,072	0	3,929
Misc	0	10	48	138	207	0	404
House Hunt	0	28	123	430	856	0	1,437
PPS	86	403	576	1,152	1,497	0	3,715
RITA	0	66	302	910	1,499	0	2,777
FREIGHT							
Packing	0	4	18	49	76	0	146
Freight	0	1,552	1,635	2,389	1,202	0	6,778
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	3	16	31	81	116	0	247
OTHER							
Program Plan	2,007	1,505	1,129	847	635	0	6,123
Shutdown	13	110	273	683	1,006	0	2,085
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	8	0	8
POV Miles	0	0	0	0	3	0	3
HHG	0	0	6	0	30	0	36
Misc	0	0	1	0	6	0	8
OTHER							
Elim PCS	0	0	0	0	18	0	18
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,135	4,131	5,792	11,447	14,617	0	38,123

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC LOUISVILLE, KY

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	2,135	4,131	5,792	11,447	14,617	0	38,123	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	2	0	8	0	10
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	2	0	8	0	10

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	8	82	316	907	1,993	2,718	6,024	2,718
BOS	13	90	243	679	1,741	4,025	6,791	4,025
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	219	1,695	4,758	10,173	18,459	23,135	58,440	23,135
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	153	307	461	307
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	11	11	39	39	99	39
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	239	1,867	5,328	11,769	22,386	30,225	71,815	30,225
TOTAL SAVINGS	239	1,867	5,330	11,769	22,394	30,225	71,825	30,225

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC LOUISVILLE, KY

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	26	141	297	771	1,094	0	2,330
Civ Moving	86	2,359	4,055	9,065	11,699	0	27,264
Other	2,023	1,631	1,433	1,611	1,757	0	8,455
MIL PERSONNEL							
Mil Moving	0	0	5	0	58	0	63
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,135	4,131	5,790	11,447	14,609	0	38,113

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-8	-82	-316	-907	-1,993	-2,718	-6,024	-2,718
BOS	-13	-90	-243	-679	-1,741	-4,025	-6,791	-4,025
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	-219	-1,695	-4,758	-10,173	-18,459	-23,135	-58,440	-23,135
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	-153	-307	-461	-307
House Allow	0	0	-11	-11	-39	-39	-99	-39
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-239	-1,867	-5,328	-11,769	-22,386	-30,225	-71,815	-30,225
TOTAL NET COST	1,896	2,264	462	-322	-7,777	-30,225	-33,702	-30,225

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK, VA

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	7,531	4,812	19,673	40,336	0	0	72,352
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	490	500	5,760	1,571	0	0	8,321
TOTAL ONE-TIME	8,021	5,312	25,433	41,907	0	0	80,673

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK, VA

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	-0	452	1,151	1,151	1,151	3,905	1,151
BOS	0	45	183	744	1,884	1,884	4,741	1,884
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	45	635	1,896	3,036	3,036	8,646	3,036
TOTAL COSTS	8,021	5,357	26,067	43,803	3,036	3,036	89,319	3,036

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK, VA

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	7,531	4,812	19,673	40,336	0	0	72,352
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	490	500	5,760	1,571	0	0	8,321
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,021	5,312	25,433	41,907	0	0	80,673

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	-0	452	1,151	1,151	1,151	3,905	1,151
BOS	0	45	183	744	1,884	1,884	4,741	1,884
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	45	635	1,896	3,036	3,036	8,646	3,036
TOTAL NET COST	8,021	5,357	26,067	43,803	3,036	3,036	89,319	3,036

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC CRANE, IN

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	87	189	329	44	0	0	650
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	6,018	0	0	6,018
TOTAL ONE-TIME	87	189	329	6,062	0	0	6,668

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC CRANE, IN

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	5	5	5	5	21	5
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	21	5
TOTAL COSTS	87	189	335	6,067	5	5	6,689	5

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC CRANE, IN

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	87	189	329	44	0	0	650
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	6,018	0	0	6,018
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	87	189	329	6,062	0	0	6,668

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	5	5	5	5	21	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	5	5	5	5	21	5
TOTAL NET COST	87	189	335	6,067	5	5	6,689	5

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC PORT HUENEME, CA

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	300	380	0	0	680
TOTAL ONE-TIME	0	0	300	380	0	0	680

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC PORT HUENEME, CA

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	106	591	591	1,288	591
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	45	45	90	45
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	106	591	591	1,378	636
TOTAL COSTS	0	0	300	486	636	636	2,058	636

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSWC PORT HUENEME, CA

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	300	380	0	0	680
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	300	380	0	0	680

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	106	591	591	1,288	591
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	45	45	90	45
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	106	636	636	1,378	636
TOTAL NET COST	0	0	300	486	636	636	2,058	636

INPUT DATA REPORT (COBRA v5.08)
Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NSWC LOUISVILLE, KY	Closes in FY 2000
NSY NORFOLK, VA	Realignment
NSWC CRANE, IN	Realignment
NSWC PORT HUENEME, CA	Realignment

Summary:

CLOSE NSWC LOUISVILLE; TRANSFER DEPOT WORKLOAD TO NSY NNSY
TRANSFER OTHER WORKLOAD AS APPROPRIATE
SCENARIO 012

SCENARIO 012

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NSWC LOUISVILLE, KY	NSY NORFOLK, VA	642 mi
NSWC LOUISVILLE, KY	NSWC CRANE, IN	106 mi
NSWC LOUISVILLE, KY	NSWC PORT HUENEME, CA	2,158 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NSWC LOUISVILLE, KY to NSY NORFOLK, VA

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	11	34	139	285	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	59	80	2,067	3,340	0
Suppt Eqpt (tons):	0	4,243	4,243	4,242	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NSWC LOUISVILLE, KY to NSWC CRANE, IN

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	2	0	0	0
Civilian Positions:	0	13	71	127	17	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	163	406	0	0
Suppt Eqpt (tons):	0	471	471	472	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NSWC LOUISVILLE, KY to NSWC PORT HUENEME, CA

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	9	0
Civilian Positions:	0	0	0	35	152	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	63	127	217	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NSWC LOUISVILLE, KY

Total Officer Employees:	5	RPMA Non-Payroll ($K/Year):	2,718
Total Enlisted Employees:	11	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	4,942
Total Civilian Employees:	1,607	BOS Payroll ($K/Year):	19,697
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.92
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	1,668	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	29	Activity Code:	00197
Enlisted VHA ($/Month):	10		
Per Diem Rate ($/Day):	94	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NSY NORFOLK, VA

Total Officer Employees:	75	RPMA Non-Payroll ($K/Year):	24,057
Total Enlisted Employees:	106	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	68,753
Total Civilian Employees:	8,952	BOS Payroll ($K/Year):	62,001
Mil Families Living On Base:	10.0%	Family Housing ($K/Year):	71
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.92
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	7,761	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	222	Activity Code:	00181
Enlisted VHA ($/Month):	138		
Per Diem Rate ($/Day):	104	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NSWC CRANE, IN

Total Officer Employees:	14	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	0
Total Civilian Employees:	3,256	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	34.0%	Family Housing ($K/Year):	83
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.01
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	5,390	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	28	Activity Code:	00164
Enlisted VHA ($/Month):	12		
Per Diem Rate ($/Day):	82	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NSWC PORT HUENEME, CA

Total Officer Employees:	257	RPMA Non-Payroll ($K/Year):	8,357
Total Enlisted Employees:	3,452	Communications ($K/Year):	0
Total Student Employees:	35	BOS Non-Payroll ($K/Year):	40,754
Total Civilian Employees:	3,512	BOS Payroll ($K/Year):	44,854
Mil Families Living On Base:	38.0%	Family Housing ($K/Year):	440
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.18
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	4,160	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	404	Activity Code:	62583
Enlisted VHA ($/Month):	317		
Per Diem Rate ($/Day):	140	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NSWC LOUISVILLE, KY

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 1,668 Perc Family Housing ShutDown: 100.0%

Name: NSY NORFOLK, VA

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	490	500	5,760	1,571	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NSWC CRANE, IN

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	6,018	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

Name: NSWC PORT HUENEME, CA

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	300	380	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NSWC LOUISVILLE, KY

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-1	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	-300	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	-4	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	-8	-46	-66	-132	-171	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

(See final page for Explanatory Notes)

Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: NSY NORFOLK, VA

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
HIGH BAY STORAGE	STORA	100,000	0	0
NSWC LOUISVILLE				
SHOP SPACE	SHPYD	300,000	0	0
NSWC LOUISVILLE: CLEAN RM, RCKT MTR SLAB ETC.				

Name: NSWC CRANE, IN

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
MK 45/75 SITE	SHPYD	0	3,500	650
NSWC LOUISVILLE: MK 45/75 TEST PLATFORMS				

(See final page for Explanatory Notes)

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Data As Of 11:05 11/29/1994, Report Created 07:48 02/08/1995

Department : US NAVY
Option Package : CLOSE LOUISVILLE 012
Scenario File : P:\COBRA\PRELIM\PRELIM2\LOU013.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

NNSY: MAINTENANCE MILCON IS FOR CLEAN ROOM, ROCKET MOTOR SLAB, HIGH PRESSURE

4 75 TONE BRIDGE CRANES, 16' 20 TON BRIDGE CRANES. HIGH BAY AND AIR CONDITION.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-0114-012
Scenario Title:	ALT 2 - SHIPYARDS
Date:	17 NOVEMBER 1994

RESPONSE SCENARIO DEVELOPMENT DATA CALL
SCENARIO NUMBER 2-14-0114-012

The scenario proposed by the BSAT requested two actions which affected NSWC Louisville:

(1) To remove Ship/Sea Systems work from Louisville and realign this work to remaining shipyards, and
(2) To close NSWC Louisville.

The uniqueness and strength of NSWC Louisville is the integration of the engineering and industrial disciplines thereby improving: designs, efficiency of overhaul and manufacture of products (usually in prototype or limited production type projects), and support of the fleet.

As a result of previous consolidations, NSWC Louisville represents the only remaining organic engineering/industrial facility that supports naval surface weapon systems. The realignment of depot work from NSWC Louisville, and its subsequent closure, eliminates the last central source of full life cycle knowledge/capability for sophisticated gun and weapon systems. NSWC Louisville has the capability to execute all phases of the life of a weapon system. This capability is the result of having the entire cradle-to-grave capability juxtapositioned at NSWC Louisville. the co-location of engineering and industrial capability allows both the engineering and industrial community to learn from the process and reinvest this knowledge throughout the system life cycle.

This has allowed NSWC Louisville to develop the ability to assist customers in being "smart buyers" when planning the expenditure of government funding. This capability would disappear if the knowledge base is lost.

NSWC Louisville is the only remaining engineering/industrial/depot facility, public or private, capable of supporting the full spectrum life cycle of Naval Gun Weapon Systems.

Initially the "Close NSWC, Louisville" scenario was viewed as requiring complete duplication of facilities at the gaining site in order to maintain Fleet readiness. This approach resulted in high costs, therefore an alternative approach was taken for this Scenario. In this analysis, a significantly higher risk to fleet support has been assumed as a trade-off for reduced funding requirements. The scenario involves closing down Depot support of the Phalanx Close-In Weapon Systems (CIWS) for a 18-month period.

To meet Fleet requirements during this 18-month period, the depot overhaul throughput will be increased by 50% during the previous three years. Stockpiling repairables ahead of time may not be possible since "non-ready-for-issue" carcasses may constrain the process.

A major risk in this scenario is the 18-month goal of establishing a certified depot. Movement, re-calibration and certification/validation of all test sets, equipments and fixtures in 18-months is an extremely aggressive schedule. Additionally, there is increased risk to being able to support emergent fleet requirements requiring a depot solution during the 18-month transition period. In many instances the electronic instrumentation composing these equipments are no longer manufactured. The inability to repair these instruments, many of which are no longer supported by the Original Equipment/Manufacturer (OEM), would required re-design, testing and certification of interfaces and/or software packages to ensure quality and integrity of the modification and the additional requirement to certify the new Test Program Sets and to recertify the test system. Additionally, there would be the costs to modify the applicable test system documentation.

Existing agreements to support Foreign Military Sales (FMS) customers for the following equipments could not be honored: 3"/50 Single, 3"/50 Twin, 5"/38 Single, 5"/38 Twin, 5"/MK42, MK112 ASROC, MK11 TARTAR, MK10 TERRIER Surface Missile System, MK68 GFCS, MK56 GFCS, MK37 GFCS, MK38 GFCS. Also all Battleship gun and fire control system support will be non-existent in the future.

Intentionally Left Blank DWS 2/28/95

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	Joe Bohn, Jr.
Organization/Code:	NSWC, Louisville Code 053
Office Phone Number:	(502) 364-5673 DSN 989-5673
Fax Number:	(502) 364-5681 DSN 989-5681
Home Phone Number:	(502) 363-6632

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e.,

closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table**, e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third column should be used to identify relevant information regarding workload/missions to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload/Missions Transferring
NSWC, LOUISVILLE	NSY NORFOLK	SHIP/SEA SYSTEMS WORK (DEPOT)
NSWC, LOUISVILLE	NSWC, CRANE	SHIP/SEA SYSTEMS WORK (NON-DEPOT, NON-ISE)
NSWC, LOUISVILLE	NSWC, PORT HUENEME	SHIP/SEA SYSTEMS WORK (ISE)
NSWC, LOUISVILLE	NSWC, DAHLGREN	SHIP/SEA SYSTEMS WORK (S&T)

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Complete a separate Enclosure (2) - Losing Base Questions for each "losing" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F. Enter the Losing Base name in the block below:

Losing Base:	NSWC, LOUISVILLE

The first five tables in this enclosure will be used to identify the movement and/or elimination of military billets and civilian positions. Data entered in Tables 2-B and 2-C will be transferred to Table 2-D and will be used to reconcile manpower totals at the losing base. The entire losing base workforce as shown on the annotated copy of the Base Loading Data Attachment must be accounted for in the Table 2-D reconciliation.

General Note on Tables 2-A and 2-B. A separate copy of both of these two tables must be completed for each pair of activities between which transfers of personnel, equipment or vehicles will occur. That is, a single enclosure (1) response may require multiple copies of tables 2-A and 2-B. For example, if the scenario involves the closure of NAVSTA A and relocation of personnel to NAVSTA B and NAVSTA C, then two tables will be completed, one for transfers from NAVSTA A to NAVSTA B and one for transfers from NAVSTA A to NAVSTA C. Note that for purposes of completing these tables, Losing Bases and Gaining Bases are defined as a host activity, independent activity or other activity specifically identified in the data call tasking. Separate tables will not be prepared for individual tenant activities, instead, tenant numbers will be incorporated into the table for the Losing Base. Be certain to identify the name of both the gaining and losing base. Make additional copies of these two tables as necessary.

Table 2-A: Disposition of Personnel - Detail Data. Please review the Base Loading Data Attachment and annotate any corrections, as necessary. Using the data contained in the Base Loading Data Attachment, complete the table on the next page. For both the host and tenant activities, identify, by UIC, the number of billets/positions being relocated to the identified receiving site. Each UIC shown as a separate line on the Base Loading Data Attachment must be separately listed in Table 2-A. Drilling reservists will not be included in officer and enlisted billet fields. Military students must be separately distinguished from officer and enlisted billets in COBRA. The Base Loading Data Attachment includes an identification of military students. Annotate the Base Loading Data Attachment to identify any additional students not currently shown, and include these corrected numbers in Table 2-A. Numbers of students are expressed as the estimated "Average On-Board" (AOB) which would be trained at the losing base in FY 2001 if a closure/realignment did not occur. Non-DON tenants must also be reviewed and a determination made as to whether the organization will be relocated. Relocating non-DON tenants must be included in the number of billets/positions identified as being transferred (and manpower totals adjusted accordingly). Disposition of tenant and reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-B: Disposition of Personnel and Equipment - Summary. Complete the table on the next page to summarize the transfer of equipment and personnel. Personnel numbers must match summary data shown in Table 2-A. Remember that, as with Table 2-A, a separate Table 2-B must be completed for each combination of losing/gaining bases. The following explanatory information is provided.

a. Disposition of Personnel. Transfer the summary relocation data shown at the bottom of the corresponding Table 2-A.

b. Disposition of Equipment. Identify the transfer of equipment and vehicles from one activity to another. **Do not include equipment which will be excessed.** The following explanatory notes are provided:

Mission and Support Equipment: The terms "Mission" and "Support" are provided as broad general terms to distinguish between the types of equipment which will be shipped. In terms of the COBRA moving algorithms, whether equipment is listed under "Mission" or "Support" is irrelevant. Consequently, more attention should be given to identifying the total number of tons which will need to be shipped, rather than spending too much time refining the breakout of mission vs. support equipment. Note that these figures should not include administrative equipment, which is already included in COBRA algorithms at the rate of 710 pounds per military billet or civilian position being relocated.

Light Vehicles: Light vehicles are defined as vehicles that will be **driven** to the new location.

Heavy Vehicles: Heavy vehicles are defined as vehicles which will be **shipped** to the new location.

Remember to complete the "Supporting Data" section which immediately follows the table.

IMPACT OF RELOCATING THE TECHNICAL CAPABILITIES FROM NSWC, LOUISVILLE

All workload at NSWC Louisville consists of five Technical Capabilities and General Support Functions. The assumption for this scenario is that Technical Capabilities (TC #2, TC #8, TC #12, TC #13, TC #14) and General Support Functions will be transitioned to NSY Norfolk, NSWC Crane, NSWC Port Hueneme, and NSWC Dahlgren. All direct workload is Core, Mission Critical and cannot be eliminated. Since the Technical Capabilities are being relocated to multiple sites, selected special and general support functions will have to be replicated at the receiving sites.

TC #2 (Naval Gun Weapon Systems)
TC #8 (Surface Missile System Launchers)
TC #12 (Specialized Mechanical Technology & Manufacturing/Repair Facility)
TC #13 (Naval Engineering Drawing Management)
TC #14 (Shipboard Physical Security)

Technical Capability #2 will transition depot overhaul functions to NSY Norfolk, ISE will transition to NSWC Port Hueneme and Science & Technology efforts will transition to NSWC Dahlgren. TC #8 depot overhaul functions will transition to NSY Norfolk. TC #12 depot overhaul functions will transition to NSY Norfolk. Other direct workload, including Acquisition, from TCs #2, 8 and 12 will transition to NSWC Crane. TC #13 direct workload will transition to NSWC Port Hueneme. TC #14 direct workload will transition to NSWC Crane.

The relocation of NSWC Louisville's Ship/Sea Systems depot capability to NSY Norfolk ensures that the Navy retains a mission essential capability in support of Fleet readiness. However, the relocation has the potential to degrade and erode the existing corporate memory with the loss of senior personnel. The synergy between the engineering and depot functions which exists at NSWC Louisville will be lost, impacting the Navy imperative for **full spectrum life cycle support**.

The balance of the direct workload at NSWC Louisville (481 workyears), which was not redirected in this scenario to a naval shipyard represents key elements of full spectrum life cycle support (Acquisition, In-Service Engineering, RDT&E). This workload is not only essential for **full spectrum life cycle support** but must be retained to sustain an **inherently governmental function** of providing the **smart buyer capability**.

If the non-depot engineering workload (481 workyears) is not approved for relocation then the most significant aspect of the proposed scenario is its failure to recognize the **inherently governmental** nature of the work. Mission Critical Surface Warfare Systems and Equipments cannot be supported if this workload is not retained by the Navy. They cannot be eliminated due to the **inherently governmental** nature. The subsequent dispersion

of the workload only serves to negate the synergy developed over many years by NSWC Louisville. Aside from the loss of a synergistic life cycle support capability there would likely be a significant loss of the Navy Gun Weapon System "corporate memory" as senior personnel would be lost. A fact to remember is that as a result of previous consolidations and closures, NSWC Louisville is the **only remaining depot** for Naval Gun Weapon Systems.

The following two (2) lists are in response to BSAT questions #1.b. and #1.o. of 29 November 1994 and include the functions for the five (5) Technical Capabilities listed above and breaks out each function by "Tons of Mission Equipment", "Tons of Support Equipment" and identified each Gaining Activity.

The breakout by function of tons of mission equipment and support equipment is as follows:

	Tons Support Equipment	Tons Mission Equipment
Naval Gun Weapon Systems:		
1. Depot NSY, Norfolk	3,752	* 2,476
2. Acquisition Engineering to NSWC, Crane	192	77
3. In-Service Engineering to NSWC, Port Hueneme	0	217
4. Science & Technology to NSWC, Dahlgren	0	0
Surface Missile Systems Launchers:		
5. Depot to NSY, Norfolk	707	415
Specialized Mechanical Technology & Manufacturing/Repair Facility:		
6. Depot to NSY, Norfolk	8,269	2,655
7. Manufacturing Technology to NSWC, Crane	1,222	444
Naval Engineering Drawing Management		
8. Drawing Management to NSWC, Port Hueneme	0	190

Shipboard Physical Security:		
9. Engineering Functions to NSWC, Crane	0	48
Tenant Functions:		
10. Associated Functions to NSWC, Crane	0	0

Note *: Scenarios 2-14-0114-012 and 2-14-0117-013 originally transferred all work to NSY Norfolk by assuming that the CIWS depot overhaul Automated Test Equipment and Facility **would be replicated** so that there would be no break in fleet support and readiness. The Scenarios were resubmitted on 28 November 1994 to eliminate the need for replication of the CIWS depot overhaul Automated Test Equipment and Facility. The resubmitted **move scenarios** resulted in an increase of 169 tons of mission equipment to NSY Norfolk.

No administrative tonnage was included. "Tons of Support Equipment" in Table 2B on pages 2-13, 2-22 and 2-27 include only Supply Department APA materials, carcasses and piece parts to support depot overhaul, which will be transitioned to the gaining site depot. "Tons of Mission Equipment" in Table 2B on pages 2-13, 2-22 and 2-27 include only product support items such as Test Stands, tooling, fixtures, etc.

Note **: "Tons of Mission Equipment" reduced on 12/04/94 as a result of requirements identified by NSY Norfolk. Refer to Attachment 1 page 2-48b for additional information.

IN RESPONSE TO BSAT QUESTION #1.o., OF 29 NOVEMBER 1994, THE FOLLOWING CLARIFICATION IS PROVIDED:

The specific functions being transferred to the gaining bases are as follows:

Naval Gun Weapon Systems:

1. Depot work to	NSY Norfolk
2. Acquisition Engineering to	NSWC, Crane
3. In-Service Engineering to	NSWC, Port Hueneme
4. Science and Technology to	NSWC, Dahlgren

Surface Missile Systems Launchers:

5. Depot work to	NSY Norfolk

Specialized Mechanical Technology & Manufacturing/Repair Facility:

6. Depot work to	NSY Norfolk
7. Manufacturing Technology to	NSWC, Crane

Naval Engineering Drawing Management:

8. Naval Engineering Drawing Management to	NSWC, Port Hueneme

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Shipboard Physical Security:

9. Technical Direction, Acquisition Engineering, In-Service Engineering to — NSWC, Crane

Tenant Activities:

10. Travel, Naval Investigative Service and Printing to — NSWC, Crane

Functions above are applicable to the following products:

MK 45/2J
MK 42
MK 75/2J
Minor Cal (60mm, MK 19 40mm, Ex MK 96, 81mm)
Gun Fire Control Systems
- -MK 68
- -MK 53
- -MK 24 Target Designation Transmitter
- -MK 47 Computer
- -MK 16
- -MK 34 Signal Data Converter/Gun Mount Processor

Target Acquisition System
Surface Vessel Torpedo Tubes
Armored Box Launcher
Turbine Pump Ejection System
Launchers
Sea Sparrow
Motors
MK 92
Cable/Harness Manufacture
Rocket Motors
Decoy Launcher Tubes
Valve Balls
CIWS
- -Block 1 Conversion
- -Block 0 Remanufacture

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Not included in Data Call costs, however equipment is available for FMS/surge/mobilization requirements:

MK 68 Gun Fire Control Systems
- MK 68 Director
- MK 53F Radar
- MK 24 Target Designator Transmitter
- MK 47 Computer
- MK 16 Stable Element

MK 56 Gun Fire Control System
- MK 56 Director
- MK 25 Radar
- MK 35 Radar
- MK 1A Computer
- MK 6 Stable Element

5"/38 Single and Twin Mounts
3"/50 Single and Twin Mounts
MK 42
CIWS Block 0 Overhaul
MK 112 ASROC
MK 11 TARTAR
MK 10 TERRIER
U.S. Army & U.S. Marine Corps MK 19 Machine Gun
U.S. Army 60mm & 81mm Mortars

The following equipment and machinery rationale added on 12/04/94:

A listing of the total NSWC, Louisville equipment and machinery is provided as Attachment 1 (page 2-48b) to this Enclosure. The Attachment has been annotated to show only equipments and machinery which NSY Norfolk states are needed to support the current depot product lines that will be transitioned. This list reflects NSY Norfolk's requirements provided on 12/04/94.

It should be noted that the costs for moving special tooling, fixtures, test stands and machinery currently at NSWC, Louisville, for the eliminated depot lines, have not been included in Table 2-B "Tons of Mission Equipment" and "Tons of Support Equipment". Also, Table 2-F(c) "One-Time Unique Moving Costs" do not include the costs for "equipment teardown" for the eliminated depot lines.

Justification for Relocation:

The Naval Gun Weapon Systems Technical Capability (TC #2) represent a workload base of 864 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Naval Gun Weapon Systems. The primary missions of this TC are to provide core leadership in the acquisition, maintenance, and operational support of in-service and emerging NGWS/equipments; maintain the Navy's corporate memory (technical knowledge repository) of sufficient breadth, depth, and continuity to be able to perform as a smart buyer; maintain rapid response capability for reconstitution of our Naval forces if mobilization is needed; ensure that current and future fleet operational readiness requirements are achieved and maintained; and through defense conversion and technological transfer initiatives, strengthen the private sector's technology base for mission critical elements of NGWS/equipments.

This TC supports more than one product area element (PAE) by supporting both Engagement Systems (guns) and Theater Air Defense Systems. Future operational requirements for these PAEs have been significantly influenced by the Littoral Warfare Strategies described in "Forward...From the Sea". Due to the "operating forward" requirements of Littoral Warfare, surface combatants must operate near shore to provide NGFS in support joint operations with Marine and/or Army ground forces. Because Littoral warfare places our ships at a greater risk from multiple land, air and sea based threats, Theater Air Defense Systems will be critical to ship survivability. Thus, this TC is necessary to support other product areas due to the Littoral Warfare missions utilizing NGWS/equipments which further illustrates JMA responsibilities.

The inherently governmental function (smart-buyer) performed by this TC represents the Navy's corporate memory for NGWS/equipments and is impractical for the private sector to assume. This TC has been acquired over most of the fifty years that the NSWC/CD facilities have been a provider of goods (military) and services (engineering). The customer base of this TC includes other branches of DoD, non-DoD and FMS customers. For example, the FMS customer base for the PHALANX CIWS security assistance program currently supports Australia, Canada, Greece, Israel, Japan, Portugal, Saudi Arabia, Taiwan, Turkey and the United Kingdom with Brazil, Egypt, New Zealand, Spain, Thailand and Venezuela in the process of obtaining systems.

The full spectrum hands-on experience in both a sponsorship role and appraisal role in support of acquisition and readiness in the functional areas of exploration, assessment, development, evaluation, production, operation and maintenance provides a unique synergy for NGWS/equipments support.

Undoubtedly, this TC's most important resource is its people which cumulatively

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

represents thousands of man-years of experience. The stability of it's work force provides the continuity necessary to perform the inherently governmental roles of sponsorship and appraisal required for life cycle support of NGWS/equipments. Whether developing, modernizing, upgrading, maintaining or producing major system prototypes or reactivating "Old Warrior" (Battleships) this TC has been able to maintain a core technological base to respond to any operational fleet requirement. Operational readiness would be impacted if this TC were not maintained organically.

The unique integration of engineering/industrial capability provides a full spectrum manufacturing, repair and systems overhaul capability for which no other source exists, for products where no interest exists in the private sector and for rapid response situations to fleet safety requirements.

Loss of this TC would result in an irreversible loss of the Navy's corporate memory (a DON imperative to maintain a repository of technical knowledge for critical mission essential Weapons Systems/equipments supported by this TC) and the loss of an inherently governmental role, that of being a smart buyer. Additionally, the Navy's ability to reconstitute resources to address future threats would be severely limited.

The Surface Missile Systems Launchers Technical Capability (TC #8) represents a workload base of 89 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle support of Surface Missile Systems Launchers and Naval Gun Weapon Systems.

The current mission of the Surface Missile Systems Launchers technical capability is to provide a full range of overhaul capabilities and certified Depot Overhaul Point (DOP) facilities, equipment and procedures for Missile Launcher Systems, Armored Box Launchers (ABL) and Surface Vessel Torpedo Tubes (SVTT) weapon systems and subsystems. Facilities, personnel and equipment capabilities also exist within this technical capability for the overhaul of MK17 Turbine Pump Ejection System (TPES), MK23 Target Acquisition System (TAS), MK53 Combined Antenna System (CAS) and MK54 Separate Tracking Illumination Radar (STIR) systems and subsystems. In addition to the existing validated overhaul capabilities, efforts are underway which will establish and validate the Crane Division as the NATO Seasparrow Missile Launcher DOP.

The future mission of this capability includes the continued efforts associated with the current mission and with the extension of supporting manufacturing/overhaul processes to support pier side overhaul efforts. Further, the development of selected manufacturing processes such as cable/harness manufacturing into a "state-of-the-art" work cell is a major initiative being pursued by this technical capability. The Cable/Harness work cell will be

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

used to manufacture cables and harnesses for other Crane Division technical capabilities as well as for the Army, Marine Corps, Strategic Systems Projects Office (SSPO), Air Force and other DoD commands. Future mission defines joint operations with other Navy activities and with Tri-Service work for the Army and the Air Force.

This TC is the only knowledge-based multi-disciplinary technical/production workforce in the Navy capable of refurbishing or overhauling a multitude of Missile Launching Systems and associated equipments for the Fleet. Many DOPs have been assigned to this TC and have been validated/certified on the overhaul programs and in most cases are the only Navy or DoD certified on the overhaul programs and in most cases are the only Navy or DoD overhaul capability for these programs. As part of the only existing organic facility involved in depot overhaul and remanufacturing of surface missile and self-defense systems and components with full test capabilities, the loss of this TC and its special facilities would have a detrimental affect on the Naval Surface Warfare Fleet and on the Navy's ability to perform its mission.

In-house technical/management staff exercises a "smart buyer" role when identifying/procuring replacement components for sole-source material no longer available from original equipment manufacture (OEM). This capability is maintained through years of experience and hands-on participation of production engineers, project managers and production and support staff. Through controlled competition and informal analysis, costly duplication of effort and reduced costs of development, procurement, logistics and support are avoided by the "smart buyer" concept.

Integrated capabilities and facilities for overhaul and final acceptance testing can be adapted with minimal cost and effort for many different systems. Because of the many years of experience, our personnel can also adapt to working on these different systems. This gives us the ability to provide a turnaround DOP program which would return an overhauled system with high quality to the Fleet in a short period of time and within reducing budget restraints.

The loss of this TC would result in the Navy losing a capability to update/modify/overhaul existing Missile Launching Systems to respond to constantly changing conditions. Also lost to the Navy would be 3773 total years of personnel expertise and knowledge which cannot be replaced. As equipment ages and OEMs are no longer involved with the systems, there would not be an organization that could overhaul the old systems to improve their reliability and usefulness to the Fleet.

Specialized Mechanical Technology and Manufacturing Technical Capability (TC #12) is a major DoD technology testbed and transfer site as well as an integral part of the last and only activity providing complete in-house engineering/industrial full spectrum life cycle support for Naval Gun Weapon Systems. This TC is a major technical and industrial complex with collocated concurrent design, engineering, prototyping and manufacturing.

566K sqft of industrial space in 6 adjacent industrial buildings provide 199 direct workyears* for this TC and other TCs on Station. NAVFAC cost to replace facilities is $95M and $246M to replace over 1,300 machines/equipage with the largest machine weighing over 300 tons and with over 65 CNC machines. This TC has four primary missions, each having extensive application to the industrial base and its' future development. The four primary missions are 1) provide concurrent R&D and engineering, transition to production and provide full life cycle technical support, 2) Navy and DoD testbed for developing, verifying and applying new/emerging technology to all phases of product engineering, 3) maintain/provide the Navy and DoD last/only source capability for difficult to procure/manufacture/repair/modernize mechanical items, particularly for the Navy Mission and Fleet rapid response, and 4) provide concurrent product engineering for the other Station Technical Capabilities and particularly for Naval Gun Weapon Systems. This TC provides DoD with an essential "smart buyer" capability for virtually any mechanical part in DoD and the Navy.

The Navy "laboratory" for RAMP PDES validation (state-of-the-art digitizing of repair/manufacturing/reverse engineering data using/establishing international standards). The only PARDS and PDES generation and validation activity in the Navy, the most state-of-the-art reverse engineering in DoD for mechanical items with a PARDS system in conjunction with a CMM. Less than 2 year old, environmentally compliant, state-of-the-art, largest plating, waste water treatment and hazardous storage facilities in the Eastern U. S. Navy with the greatest workload and capacity. The only Standard Missile rocket motor casing manufacturing facility public or private, the only viable gear manufacturer in DoD (1/4" to over 10'). Charter member of a local public/private/academia consortium using a selective laser sintering machine, leading the Navy and DoD in Electronic Data Interchange development and implementation. Navy and DoD designated process validation enterprise for mechanical items.

This vast breadth and depth of skills, equipment and facilities cannot readily be duplicated or transferred and is critical to the support of the only remaining engineering/industrial facility providing full spectrum life cycle support for Naval Gun Weapon Systems as well as significant, integral support to other Technical Capabilities on Station.

The Management and Distribution of Naval Drawings Technical Capability (TC #13) represents a workload base of 46 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Management and Distribution of Naval Drawings.

NAVSEAINST 9085.2A identifies NSWC, Louisville as the repository for all

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

Combat System, Weapons System and Ordnance System Engineering Drawings. Additionally, both JEDMICS and NEDALS roles will increase due to the decreasing number of drawing locations as the Navy downsizes.

The only system in the Navy that currently tracks engineering data is NEDALS. This system will be invaluable in locating data that is normally lost in transferring the data between ISEAs or Planning Yards. JEDMICS is the standard engineering digital imaging system within DoD. Due to its JEDMICS configuration and technical expertise in this area; the Crane Division is ideally suited for on-line storage of out-of-service engineering data that may be used for FMS cases or; if necessary, for ship's recommissioning.

The repository contains more than seven (7) million engineering drawing aperture cards and 500,000 master drawings. The repository drawing management system also tracks the master location of an additional two (2) million drawings.

The data housed in the repository is reproduced and distributed by both automatic distribution and demand requisition methods. During FY-94 reproduction services were provided to various government and industrial organizations on a "FEE-FOR-SERVICES" basis. Many requests for data are received from fleet and maintenance organizations, who utilize the data for system/equipment maintenance and operation. The data is also used by Inventory Control Points (ICPs) for the acquisition of spares and repair parts. The repsoitory's normal turn-around time to develop a Bid Set is three (3) days versus the standard twenty-eight (28) day period.

The repository is in the process of loading its active drawings into the local JEDMICS suite. There are currently more than 570,000 drawing images on the system available to work-stations within the Crane Division. The Crane Division suite has on-line storage capability of up to six (6) million images. With a T-1 communications capacity, it takes less than six (6) seconds to digitally transfer data between the Crane and Louisville sites. The data can also be transferred to ICPs with Continuous Acquisition and Life-Cycle Support (CALS) compatible systems; either electronically or via other electronic medias.

NEDALS is a unique system developed at the crane Division for NAVSEA. It was expanded to include all Navy SYSCOMs. The expanded systems also meets the OPNAV goal to have a Navy automated central drawing index by FY96. The impact of losing NEDALS will be significant in three areas. First, the time spent by activities will increase by as much as 2.5 hours per drawing. Second, because of the electronic ordering interface, other Navy repositories will be required to increase staff to manually process drawing orders. Thirdly, many engineering not located at Navy repositories will be lost to ICPs, since the automated inventorying capability will no longer be tracking drawing locations.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
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The Shipboard Physical Security Technical Capability (TC #14) represents a workload base of 46 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Shipboard Physical Security Systems.

The current and future missions of this Technical Capability are to provide the COMNAVSEASYSCOM Program Management for the Shipboard Nuclear Weapons Security (SNWS) Program and the Shipboard Physical Security (SPS) Program. Both programs are designated Priority 02 (FAD II, Designator A) and program priorities are established through the Program Manager at NSWC, Louisville.

The SNWS program is in the Production/Deployment phase and includes the acquisition and installation of the MK4 Protected Voice Portable Communications System (PVPCS), the MK6 Shipboard Internal Locking System Module (SMILS) and the MK1 Magazine Security System (MSS). These equipments are procured through Crane Division Contracting Office (Louisville site) and installed by NSWC, Louisville Alteration Installation Teams (AIT). This TC also includes Integrated Logistics Support Management and Life Cycle Support. NSWC, Louisville coordinates with the CNO, N09N1 resource sponsor for the acquisition of equipments and with the CNO Platform Sponsors (N865, N87 and N88) for Fleet Modernization Program (FMP) funds and life cycle support funds.

The SPS program is in the RDT&E phase and work is performed directly for CNO, N09N1, to develop, acquire and adapt physical security equipments for shipboard use. As Technical Direction Agent (TDA), NSWC, Louisville directs the efforts of three other participating field Activities (Crane Division; NESEA, St. Inigoes and; NSWC Dahlgren/CSS) in the acquisition, test, evaluation and fleet introduction of various shipboard physical security equipments. The program includes on-board sensors such as Security Television System, Shipboard Access Control System, Infrared Motion Detectors, Balanced Magnetic Switches, Security Force Equipments and a central Alarm Station with interfaces to other existing security equipments. Off-board sensors consist of Radars, Swimmer Detection Sonar and Hull Lighting improvements.

The personnel and facilities supporting this Technical Capability provide synergistic support and services which do not exist within DON. The diversity of skills, trades and facilities utilized in the development, acquisition, test, evaluation, installation and life cycle support of Shipboard Physical Security equipments/systems provides the synergism to maintain a "smart buyer" capability and enhance the level of physical security for fleet units to meet the Navy's changing role. The shipboard mock-ups provide a highly unique facility to test and evaluate equipment, provide fleet training, and evaluation/resolve fleet problems. Naval operational readiness for the physical security of U.S. Navy ships and Ashore sites is assured through the continued existence of this TC, and would not be available without this organic support.

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

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The Ashore Physical Security portion of this TC provides development, acquisition, test, evaluation, installation and life cycle support of equipments/physical security databases to Navy and Marine Corps customers in CONUS and outside of CONUS. The merging of these physical security functions have provided many benefits in technology sharing and use of resources to accomplish the different missions.

The interfunctional relationships between the core groups of engineers, technicians and logistics management personnel is essential for optimal acquisition, supply support and continued improvements for shipboard physical security. The interfunctional relationships between this Technical Capability, and other Technical Capabilities with the NSWC, Crane Division have proven to be valuable assets in completing the differing missions. The sharing of TC resources for logistics management, the availability of the production areas for rapid prototyping and the use of joint testing facilities among TCs 02, 08, 12 and 14 have demonstrated the importance of merging our resources and improving efficiency. The roles assigned to this Technical Capability are inherently Governmental and are essential for long-term core logistics support to the fleet.

The Shipboard Physical Security Program personnel and the ashore Physical Security program personnel serve on tri-service panels of the DoD Physical Security Equipment Action Group (PSEAG) to ensure that technology is shared among the Air Force, Army, Navy and Marine Corps representatives. Presentations on ongoing RDT&E efforts, among each Service, are conducted at the PSEAG meetings.

The loss of this function would seriously limit the ability of the Navy to provide reliable, economical, technically capable, programmatic engineering and logistics support expertise to the fleet. Transfer of the Technical Capability would result in the loss of many experienced physical security personnel who would choose not to relocate. If funds are not available to relocate the mock-ups, a serious impact would result from the inability to conduct in-house testing of "off-the-shelf"/NDI devices and internally developed equipments. Deletion of this Technical Capability function would eliminate all "coordinated" progress toward enhanced physical security for fleet units and the requirements for commonality, logistics supportability and configuration management of equipments/systems for fleet units would not be met.

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC, LOUISVILLE

To Gaining Base: NSY NORFOLK

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00197	NSWC, LOUISVILLE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	11	34	** 144	** 300	0	*&** 489
		Mil Stu	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	11	34	** 144	** 300	0	*&** 489
		Mil Stu	0	0	0	0	0	0	0

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.
Mil Stu = Military Students.

* - See next page
** - See page 2-12 aR 2/28/95

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Enclosure (2) - LOSING BASE QUESTIONS

IN RESPONSE TO BSAT QUESTION RECEIVED 2200, 12/21/94, THE FOLLOWING REVISION IS PROVIDED:

JB 2/28/95

** - On 12/21/94, NSWC, Louisville was advised by NSWC, Crane that NSY Norfolk would require an additional 20 billets to accomplish the proposed transition of depot workload. NSWC, Louisville revised Table 2-A on page 2-12 R(~~12/22/94~~) to add the additional billets in FY1999 and FY2000. The Table below shows the distribution of the 489 personnel to be transferred to NSY Norfolk. The distribution, by skill mix, was agreed upon with NSY Norfolk personnel on 12/22/94. ~~The 20 Depot Manager billets shown below were part of the 41 depot overhaul billets previously eliminated and discussed on page 2-12c R(12/12/94)~~. The "Eliminated Positions" chart on page 2-33~~b~~a R(~~12/12/94~~) has been decreased by 20. JB 2/28/95

JB 2/28/95

NSY NORFOLK
489 BILLETS TRANSFERRING FOR DEPOT OVERHAUL

TYPE OF BILLET	QUANTITY	DIRECT	INDIRECT
PLATERS	29	29	0
WELDERS	10	10	0
MACHINIST	60	60	0
PLANNERS	9	0	9
ENGINEERS	23	23	0
TECHNICIANS	52	52	0
ELECTRONIC MECHANICS	155	155	0
ORDNANCE MECHANICS	72	72	0
INDUSTRIAL SPECIALIST	30	22	8
PRODUCTION CONTROLLERS	20	10	10
INSPECTORS	9	9	0
DEPOT MANAGERS	** 20	0	** 20
TOTAL	**** 489**	**442**	**** 47**

Table 2-B: Disposition of Personnel and Equipment - Summary

From **Losing** Base: NSWC LOUISVILLE

To **Gaining** Base: NSY NORFOLK

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	0	0	0	0	0
Civilian Positions	0	11	34	**** 144	**** 300	0	**** 489
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	**59	**80	**2067	**2703	**637 ***	** 5546
Tons of Support Equipment	0	4243	4243	4242	0	0	12728
Number of Light Vehicles	0	**0	**0	**0	**0	0	**0
Number of Heavy Vehicles	0	**0	**0	**0	**0	0	**0

**** -See next page**
***** - See next page**
****** - See next page**

** "Tons of Mission Equipment" has been reduced by 20 tons in FY00 to allow for special handling and shipping of specialized industrial equipment. Refer to Item #4 on page 2-40 for One-Time Unique Costs. Note: Previous change showed the 20 ton reduction in FY99.

ADDED ON 12/04/94:

** "Tons of Mission Equipment", "Number of Light Vehicles" and "Number of Heavy Vehicles" reduced on 12/04/94 as a result of negotiations with NSY Norfolk. Refer to Attachment 1 page 2-48b for additional "Tons of Mission Equipment" information.

IN RESPONSE TO BSAT QUESTION 2 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

*** The transition of a function, i.e., "Depot overhaul of CIWS", to the Gaining Activity cannot be accomplished/completed until all tooling, fixtures, equipment and machines are in place and the depot overhaul line is recertified. Since the move to NSY Norfolk has prerequisite MILCON (New construction) and MILCON (Rehabilitation) requirements, the transition of NSWC, Louisville equipment and machines must be delayed. MILCON efforts cannot be initiated until FY96. If the MILCONs complete in FY98, then the teardown/transition of NSWC, Louisville tooling, fixtures, equipment and machinery can begin in FY99 and be completed by FY01. To facilitate the shutdown of the CIWS depot program during the transition period, programmed workload (included in planned maintenance cycle), identified by PEO(TAD) and included in NAVCOMPT FY96/97 OSD Budget Submit, must be accomplished prior to the transition period. This requires an increase in the number of system overhauls for FY96 thru FY98. This is an optimistic schedule since: MILCON delays could occur; teardown/transition from NSWC, Louisville could be delayed due to completion of fleet overhaul requirements; and delays in "re-certifying" the Gaining Activity's "depot overhaul line for CIWS" could occur due to depot overhaul requirements for Naval Gun Weapon Systems.

IN RESPONSE TO BSAT QUESTION RECEIVED 2200, 12/21/94, THE FOLLOWING REVISION IS PROVIDED:

**** - On 12/21/94, NSWC, Louisville was advised by NSWC, Crane that NSY Norfolk would require an additional 20 billets to accomplish the proposed transition of depot workload. NSWC, Louisville revised Table 2-A on page 2-12 R(12/22/94) to add the additional billets in FY1999 and FY2000. ~~The Table on page 2-12d R(12/22/94) shows the distribution of the 489 personnel to be transferred to NSY Norfolk. The distribution, by skill mix, was agreed upon with NSY Norfolk personnel on 12/22/94. The 20 Depot Manager billets as shown in the Table on page 2-12d R(12/22/94) were part of the 41 depot overhaul billets previously eliminated and discussed on page 2-12c R(12/12/94). The "Eliminated Positions" chart on page 2-33b R(12/12/94) has been decreased by 20.~~

DMB 2/28/95

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
Light Vehicles - Automobiles, Station Wagons, Pickup Trucks, Jeeps and Over-The-Road Trucks and Trailers	Necessary to support transferred workload.
Heavy/Special Vehicles - Forklifts, Pallet Trucks, Platform Trucks, Personnel Carts, Sweepers, Trailers, Tractors, Cranes, Air Compressors, Flat Cars and a Railroad Locomotive	Necessary to support transferred workload.

NSY Norfolk has heavy and light vehicle capability. However, they do not have the amount of capacity and capability required to support the additional mission required workload from NSWC, Louisville. NSY Norfolk's current allocation should be based on their current mission equipments. The additional required vehicles are mobile cranes, heavy forklifts, mule train tugs and over-the-road vehicles. A listing of vehicles to be provided follows:

	* ORIGINAL	* REVISED
Light Vehicles		
Cars, Station Wagons and Ambulances	13	* 0
Trucks, Vans, Jeeps and Fire Trucks	21	* 0
Garbage Truck (Dumpster Type)	1	* 0
Total	35	* 0
Heavy Vehicles		
Platform Trucks	10	* 0
EZ-GO Vehicles	44	* 0
Trailers	7	* 0
Mobile Crane	1	* 0
Mules	3	* 0
2,200# Forklift (Electric)	1	* 0
3,000# Forklifts (Electric)	4	* 0
4,000# Forklifts (Electric)	31	* 0

6,000# Forklifts (Electric)	6	* 0
4,000# Forklifts (Gas)	3	* 0
6,000# Forklifts (Gas)	10	* 0
10,000# Forklifts (Gas)	2	* 0
20,000# Forklift (Gas)	1	* 0
40,000# Forklift (Gas)	1	* 0
Sideloaders	3	* 0
Order Pickers	2	* 0
Scissor Lifts	2	* 0
4,000# Pallet Movers	25	* 0
6,000# Pallet Movers	11	* 0
Floor Sweepers and Scrubbers	3	* 0
Tractors and Backhoes	3	* 0
Railroad Locomotive	1	* 0
Railroad Cars	8	* 0
Cross Aisle Car	1	* 0
Total	183	* 0

*** - As of 1400 on 12/04/94, NSY Norfolk stated that they did not require any of the NSWC, Louisville "Light Vehicles" or "Heavy Vehicles".**

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Enclosure (2) - LOSING BASE QUESTIONS

Justification for Relocation:

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This TC supports more than one product area element (PAE) by supporting both Engagement Systems (guns) and Theater Air Defense Systems. Future operational requirements for these PAEs have been significantly influenced by the Littoral Warfare Strategies described in "Forward...From the Sea". Due to the "operating forward" requirements of Littoral Warfare, surface combatants must operate near shore to provide NGFS in support joint operations with Marine and/or Army ground forces. Because Littoral warfare places our ships at a greater risk from multiple land, air and sea based threats, Theater Air Defense Systems will be critical to ship survivability. Thus, this TC is necessary to support other product areas due to the Littoral Warfare missions utilizing NGWS/equipments which further illustrates JMA responsibilities.

The inherently governmental function (smart-buyer) performed by this TC represents the Navy's corporate memory for NGWS/equipments and is impractical for the private sector to assume. This TC has been acquired over most of the fifty years that the NSWC/CD facilities have been a provider of goods (military) and services (engineering). The customer base of this TC includes other branches of DoD, non-DoD and FMS customers. For example, the FMS customer base for the PHALANX CIWS security assistance program currently supports Australia, Canada, Greece, Israel, Japan, Portugal, Saudi Arabia, Taiwan, Turkey and the United Kingdom with Brazil, Egypt, New Zealand, Spain, Thailand and Venezuela in the process of obtaining systems.

The full spectrum hands-on experience in both a sponsorship role and appraisal role in support of acquisition and readiness in the functional areas of exploration, assessment, development, evaluation, production, operation and maintenance provides a unique synergy for NGWS/equipments support.

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

Undoubtedly, this TC's most important resource is its people which cumulatively represents thousands of man-years of experience. The stability of it's work force provides the continuity necessary to perform the inherently governmental roles of sponsorship and appraisal required for life cycle support of NGWS/equipments. Whether developing, modernizing, upgrading, maintaining or producing major system prototypes or reactivating "Old Warrior" (Battleships) this TC has been able to maintain a core technological base to respond to any operational fleet requirement. Operational readiness would be impacted if this TC were not maintained organically.

The unique integration of engineering/industrial capability provides a full spectrum manufacturing, repair and systems overhaul capability for which no other source exists, for products where no interest exists in the private sector and for rapid response situations to fleet safety requirements.

Loss of this TC would result in an irreversible loss of the Navy's corporate memory (a DON imperative to maintain a repository of technical knowledge for critical mission essential Weapons Systems/equipments supported by this TC) and the loss of an inherently governmental role, that of being a smart buyer. Additionally, the Navy's ability to reconstitute resources to address future threats would be severely limited.

Specialized Mechanical Technology and Manufacturing Technical Capability (TC #12) is a major DoD technology testbed and transfer site as well as an integral part of the last and only activity providing complete in-house engineering/industrial full spectrum life cycle support for Naval Gun Weapon Systems. This TC is a major technical and industrial complex with collocated concurrent design, engineering, prototyping and manufacturing. 566K sqft of industrial space in 6 adjacent industrial buildings provide 199 direct workyears* for this TC and other TCs on Station. NAVFAC cost to replace facilities is $95M and $246M to replace over 1,300 machines/equipage with the largest machine weighing over 300 tons and with over 65 CNC machines. This TC has four primary missions, each having extensive application to the industrial base and its' future

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

development. The four primary missions are 1) provide concurrent R&D and engineering, transition to production and provide full life cycle technical support, 2) Navy and DoD testbed for developing, verifying and applying new/emerging technology to all phases of product engineering, 3) maintain/provide the Navy and DoD last/only source capability for difficult to procure/manufacture/repair/modernize mechanical items, particularly for the Navy Mission and Fleet rapid response, and 4) provide concurrent product engineering for the other Station Technical Capabilities and particularly for Naval Gun Weapon Systems. This TC provides DoD with an essential "smart buyer" capability for virtually any mechanical part in DoD and the Navy.

The Navy "laboratory' for RAMP PDES validation (state-of-the-art digitizing of repair/manufacturing/reverse engineering data using/establishing international standards). The only PARDS and PDES generation and validation activity in the Navy, the most state-of-the-art reverse engineering in DoD for mechanical items with a PARDS system in conjunction with a CMM. Less than 2 year old, environmentally compliant, state-of-the-art, largest plating, waste water treatment and hazardous storage facilities in the Eastern U. S. Navy with the greatest workload and capacity. The only Standard Missile rocket motor casing manufacturing facility public or private, the only viable gear manufacturer in DoD (1/4" to over 10'). Charter member of a local public/private/academia consortium using a selective laser sintering machine, leading the Navy and DoD in Electronic Data Interchange development and implementation. Navy and DoD designated process validation enterprise for mechanical items.

This vast breadth and depth of skills, equipment and facilities cannot readily be duplicated or transferred and is critical to the support of the only remaining engineering/industrial facility providing full spectrum life cycle support for Naval Gun Weapon Systems as well as significant, integral support to other Technical Capabilities on Station.

The Shipboard Physical Security Technical Capability (TC #14) represents a workload base of 46 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle support of Shipboard Physical Security Systems.

The current and future missions of this Technical Capability are to provide the COMNAVSEASYSCOM Program Management for the Shipboard Nuclear Weapons Security (SNWS) Program and the Shipboard Physical Security (SPS) Program. Both programs are designated Priority 02 (FAD II, Designator A) and program priorities are established through the Program Manager at NSWC, Louisville.

The SNWS program is in the Production/Deployment phase and includes the acquisition and installation of the MK4 Protected Voice Portable Communications System

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

(PVPCS), the MK6 Shipboard Internal Locking System Module (SMILS) and the MK1 Magazine Security System (MSS). These equipments are procured through Crane Division Contracting Office (Louisville site) and installed by NSWC, Louisville Alteration Installation Teams (AIT). This TC also includes Integrated Logistics Support Management and Life Cycle Support. NSWC, Louisville coordinates with the CNO, N09N1 resource sponsor for the acquisition of equipments and with the CNO Platform Sponsors (N865, N87 and N88) for Fleet Modernization Program (FMP) funds and life cycle support funds.

The SPS program is in the RDT&E phase and work is performed directly for CNO, N09N1, to develop, acquire and adapt physical security equipments for shipboard use. As Technical Direction Agent (TDA), NSWC, Louisville directs the efforts of three other participating field Activities (Crane Division; NESEA, St. Inigoes and; NSWC Dahlgren/CSS) in the acquisition, test, evaluation and fleet introduction of various shipboard physical security equipments. The program includes on-board sensors such as Security Television System, Shipboard Access Control System, Infrared Motion Detectors, Balanced Magnetic Switches, Security Force Equipments and a central Alarm Station with interfaces to other existing security equipments. Off-board sensors consist of Radars, Swimmer Detection Sonar and Hull Lighting improvements.

The personnel and facilities supporting this Technical Capability provide synergistic support and services which do not exist within DON. The diversity of skills, trades and facilities utilized in the development, acquisition, test, evaluation, installation and life cycle support of Shipboard Physical Security equipments/systems provides the synergism to maintain a "smart buyer" capability and enhance the level of physical security for fleet units to meet the Navy's changing role. The shipboard mock-ups provide a highly unique facility to test and evaluate equipment, provide fleet training, and evaluation/resolve fleet problems. Naval operational readiness for the physical security of U.S. Navy ships and Ashore sites is assured through the continued existence of this TC, and would not be available without this organic support.

The Ashore Physical Security portion of this TC provides development, acquisition, test, evaluation, installation and life cycle support of equipments/physical security databases to Navy and Marine Corps customers in CONUS and outside of CONUS. The merging of these physical security functions have provided many benefits in technology sharing and use of resources to accomplish the different missions.

The interfunctional relationships between the core group of engineers, technicians and logistics management personnel is essential for optimal acquisition, supply support and continued improvements for shipboard physical security. The interfunctional relationships between this Technical Capability, and other Technical Capabilities with the NSWC, Crane Division, have proven to be valuable assets in completing the differing missions. The sharing of TC resources for logistics management, the availability of the production areas for rapid prototyping and the use of joint testing facilities among TCs 02, 08, 12 and 14

have demonstrated the importance of merging our resources and improving efficiency. The roles assigned to this Technical Capability are inherently Governmental and are essential for long-term core logistics support to the fleet.

The Shipboard Physical Security Program personnel and the Ashore Physical Security program personnel serve on tri-service panels of the DoD Physical Security Equipment Action Group (PSEAG) to ensure that technology is shared among the Air Force, Army, Navy and Marine Corps representatives. Presentations on ongoing RDT&E efforts, among each Service, are conducted at the PSEAG meetings.

The loss of this function would seriously limit the ability of the Navy to provide reliable, economical, technically capable, programmatic engineering and logistics support expertise to the fleet. Transfer of the Technical Capability would result in the loss of many experienced physical security personnel who would choose not to relocate. If funds are not available to relocate the mock-ups, a serious impact would result from the inability to conduct in-house testing of "off-the-shelf"/NDI devices and internally developed equipments. Deletion of this Technical Capability function would eliminate all "coordinated" progress toward enhanced physical security for fleet units and the requirements for commonality, logistics supportability and configuration management of equipments/systems for fleet units would not be met.

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC, LOUISVILLE

To Gaining Base: NSWC, CRANE

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
** N00197	NSWC, LOUISVILLE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	2	0	0	0	* 2
		Civilian	0	13	71	127	0	** 0	*&** 211
		Mil Stu	0	0	0	0	0	0	0
** 00197	NSWC, CRANE NEW ORLEANS LA	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	0	**.1	** 1
		Mil Stu	0	0	0	0	0	0	0
** 63394	NSWSES PORT HUENEME	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	0	** 2	** 2
		Mil Stu	0	0	0	0	0	0	0
** N43636	DEFENSE PRINTING SERVICE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	0	** 14	** 14
		Mil Stu	0	0	0	0	0	0	0
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	2	0	0	0	* 2
		Civilian	0	13	71	127	0	17	* 228
		Mil Stu	0	0	0	0	0	0	0

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

*. - See next page

** - NSWC, Crane (Matthews) phoned NSWC, Louisville (Bohn) on 02/01/95 and relayed that NAVSEA (Logan) wanted NSWC, Louisville to revise Table 2-A of all Scenario Data Calls to include the UICs of all Tenant Activities being transferred or eliminated (Table 2-C).

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

* - The 230 billets (228 civilians, 2 enlisted) proposed for transfer to NSWC, Crane are required to accomplish budgeted Acquisition/Product Engineering workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. The 230 billets have been discussed and agreed upon with NSWC, Crane.

230 BILLETS TRANSFERRING FOR ACQUISITION/PRODUCT ENGINEERING

TYPE OF BILLET	QUANTITY
PAINTERS	1
PLATERS	1
FABRICATORS	3
WELDERS	3
MACHINIST	12
EQUIPMENT SPECIALIST	14
PLANNERS	2
ENGINEERS	107
TECHNICIANS	35
LOGISTIC MANAGEMENT	3
DATA MANAGEMENT	10
MANAGEMENT ASSTS	17
PRODUCTION CONTROLLERS	1
INSPECTORS	1
QA SPECIALISTS	1
TENANTS	17
MILITARY	2
TOTAL	**230**

NOTE: SEE PAGE 2-21b FOR RESPONSE TO BSAT QUESTION 1.a. OF 1407, 12/09/94

IN RESPONSE TO BSAT QUESTION 1.a. OF 1407, 12/09/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

On 12/12/94, the **DIRECT** and **PRODUCTION INDIRECT** columns were added to the NSWC,Crane table on page 2-21a.

The 230 billets (228 civilians, 2 enlisted) proposed for transfer to NSWC, Crane are required to accomplish budgeted Acquisition/Product Engineering workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. The 230 billets have been discussed and agreed upon with NSWC, Crane.

230 BILLETS TRANSFERRING FOR ACQ/PRODUCT ENGR NSWC, CRANE

TYPE OF BILLET	QUANTITY	DIRECT	INDIRECT
PAINTERS	1	1	0
PLATERS	1	1	0
FABRICATORS	3	3	0
WELDERS	3	3	0
MACHINIST	12	12	0
EQUIPMENT SPECIALIST	14	14	0
PLANNERS	2	0	2
ENGINEERS	107	107	0
TECHNICIANS	35	35	0
LOGISTIC MGMT	3	3	0
DATA MANAGEMENT	10	10	0
MANAGEMENT ASSTS	17	8	9
PROD CONTROLLERS	1	0	1
INSPECTORS	1	1	0
QA SPECIALISTS	1	1	0
TENANTS	17	0	17
MILITARY	2	2	0
TOTAL	**230**	**201**	**29**

Table 2-B: Disposition of Personnel and Equipment - Summary

From **Losing** Base: NSWC, LOUISVILLE

To **Gaining** Base: NSWC, CRANE

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	2	0	0	0	2
Civilian Positions	0	13	71	127	0	** 17	* 228
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	0	163	406	0	0	569
Tons of Support Equipment	0	471	471	472	0	0	1,414
Number of Light Vehicles	0	0	0	0	0	0	0
Number of Heavy Vehicles	0	0	0	0	0	0	0

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
MK45 Gun System	Necessary to support transferred workload.
MK75 Gun System	
CIWS Blk 0	
CIWS Blk 1	
CIWS Facility	

*** - See next page**
**** - See next page**

* - The 230 billets (228 civilians, 2 enlisted) proposed for transfer to NSWC, Crane are required to accomplish budgeted Acquisition/Product Engineering workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. The 230 billets have been discussed and agreed upon with NSWC, Crane. **(See Table on Page 2-21a)**

IN RESPONSE TO BSAT QUESTION 2 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

** The transition of a function, i.e., "Depot overhaul of CIWS", to the Gaining Activity cannot be accomplished/completed until all tooling, fixtures, equipment and machines are in place and the depot overhaul line is recertified. Since the move to NSY Norfolk has prerequisite MILCON (New construction) and MILCON (Rehabilitation) requirements, the transition of NSWC, Louisville equipment and machines must be delayed. MILCON efforts cannot be initiated until FY96. If the MILCONs complete in FY98, then the teardown/transition of NSWC, Louisville tooling, fixtures, equipment and machinery can begin in FY99 and be completed by FY01. To facilitate the shutdown of the CIWS depot program during the transition period, programmed workload (included in planned maintenance cycle), identified by PEO(TAD) and included in NAVCOMPT FY96/97 OSD Budget Submit, must be accomplished prior to the transition period. This requires an increase in the number of system overhauls for FY96 thru FY98. This is an optimistic schedule since: MILCON delays could occur; teardown/transition from NSWC, Louisville could be delayed due to completion of fleet overhaul requirements; and delays in "re-certifying" the Gaining Activity's "depot overhaul line for CIWS" could occur due to depot overhaul requirements for Naval Gun Weapon Systems.

(As a prerequisite to the transition to NSWC, Crane, completion of the above rationale and the move to NSY Norfolk must be accomplished.)

Justification for Relocation:

The Naval Gun Weapon Systems Technical Capability (TC #2) represent a workload base of 864 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Naval Gun Weapon Systems. The primary missions of this TC are to provide core leadership in the acquisition, maintenance, and operational support of in-service and emerging NGWS/equipments; maintain the Navy's corporate memory (technical knowledge repository) of sufficient breadth, depth, and continuity to be able to perform as a smart buyer; maintain rapid response capability for reconstitution of our Naval forces if mobilization is needed: ensure that current and future fleet operational readiness requirements are achieved and maintained; and through defense conversion and technological transfer initiatives, strengthen the private sector's technology base for mission critical elements of NGWS/equipments.

This TC supports more than one product area element (PAE) by supporting both Engagement Systems (guns) and Theater Air Defense Systems. Future operational requirements for these PAEs have been significantly influenced by the Littoral Warfare Strategies described in "Forward...From the Sea". Due to the "operating forward" requirements of Littoral Warfare, surface combatants must operate near shore to provide NGFS in support joint operations with Marine and/or Army ground forces. Because Littoral warfare places our ships at a greater risk from multiple land, air and sea based threats, Theater Air Defense Systems will be critical to ship survivability. Thus, this TC is necessary to support other product areas due to the Littoral Warfare missions utilizing NGWS/equipments which further illustrates JMA responsibilities.

The inherently governmental function (smart-buyer) performed by this TC represents the Navy's corporate memory for NGWS/equipments and is impractical for the private sector to assume. This TC has been acquired over most of the fifty years that the NSWC/CD facilities have been a provider of goods (military) and services (engineering). The customer base of this TC includes other branches of DoD, non-DoD and FMS customers. For example, the FMS customer base for the PHALANX CIWS security assistance program currently supports Australia, Canada, Greece, Israel, Japan, Portugal, Saudi Arabia, Taiwan, Turkey and the United Kingdom with Brazil, Egypt, New Zealand, Spain, Thailand and Venezuela in the process of obtaining systems.

The full spectrum hands-on experience in both a sponsorship role and appraisal role in support of acquisition and readiness in the functional areas of exploration, assessment, development, evaluation, production, operation and maintenance provides a unique synergy for NGWS/equipments support.

Undoubtedly, this TC's most important resource is its people which cumulatively

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

represents thousands of man-years of experience. The stability of it's work force provides the continuity necessary to perform the inherently governmental roles of sponsorship and appraisal required for life cycle support of NGWS/equipments. Whether developing, modernizing, upgrading, maintaining or producing major system prototypes or reactivating "Old Warrior" (Battleships) this TC has been able to maintain a core technological base to respond to any operational fleet requirement. Operational readiness would be impacted if this TC were not maintained organically.

The unique integration of engineering/industrial capability provides a full spectrum manufacturing, repair and systems overhaul capability for which no other source exists, for products where no interest exists in the private sector and for rapid response situations to fleet safety requirements.

Loss of this TC would result in an irreversible loss of the Navy's corporate memory (a DON imperative to maintain a repository of technical knowledge for critical mission essential Weapons Systems/equipments supported by this TC) and the loss of an inherently governmental role, that of being a smart buyer. Additionally, the Navy's ability to reconstitute resources to address future threats would be severely limited.

The Management and Distribution of Naval Drawings Technical Capability (TC #13) represents a workload base of 46 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Management and Distribution of Naval Drawings.

NAVSEAINST 9085.2A identifies NSWC, Louisville as the repository for all Combat System, Weapons System and Ordnance System Engineering Drawings. Additionally, both JEDMICS and NEDALS roles will increase due to the decreasing number of drawing locations as the Navy downsizes.

The only system in the Navy that currently tracks engineering data is NEDALS. This system will be invaluable in locating data that is normally lost in transferring the data between ISEAs or Planning Yards. JEDMICS is the standard engineering digital imaging system within DoD. Due to its JEDMICS configuration and technical expertise in this area; the Crane Division is ideally suited for on-line storage of out-of-service engineering data that may be used for FMS cases or; if necessary, for ship's recommissioning.

The repository contains more than seven (7) million engineering drawing aperture cards and 500,000 master drawings. The repository drawing management system also tracks the master location of an additional two (2) million drawings.

The data housed in the repository is reproduced and distributed by both automatic

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

distribution and demand requisition methods. During FY-94 reproduction services were provided to various government and industrial organizations on a "FEE-FOR-SERVICES" basis. Many requests for data are received from fleet and maintenance organizations, who utilize the data for system/equipment maintenance and operation. The data is also used by Inventory Control Points (ICPs) for the acquisition of spares and repair parts. The repsoitory's normal turn-around time to develop a Bid Set is three (3) days versus the standard twenty-eight (28) day period.

The repository is in the process of loading its active drawings into the local JEDMICS suite. There are currently more than 570,000 drawing images on the system available to work-stations within the Crane Division. The Crane Division suite has on-line storage capability of up to six (6) million images. With a T-1 communications capacity, it takes less than six (6) seconds to digitally transfer data between the Crane and Louisville sites. The data can also be transferred to ICPs with Continuous Acquisition and Life-Cycle Support (CALS) compatible systems; either electronically or via other electronic medias.

NEDALS is a unique system developed at the crane Division for NAVSEA. It was expanded to include all Navy SYSCOMs. The expanded systems also meets the OPNAV goal to have a Navy automated central drawing index by FY96. The impact of losing NEDALS will be significant in three areas. First, the time spent by activities will increase by as much as 2.5 hours per drawing. Second, because of the electronic ordering interface, other Navy repositories will be required to increase staff to manually process drawing orders. Thirdly, many engineering not located at Navy repositories will be lost to ICPs, since the automated inventorying capability will no longer be tracking drawing locations.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC, LOUISVILLE

To Gaining Base: NSWC, PORT HUENEME

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00197	NSWC, LOUISVILLE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	*** 4	0	*&*** 4
		Civilian	0	0	0	35	** 74	48	* & ** 157
		Mil Stu	0	0	0	0	0	0	0
*** N35026	CNET	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	*** 5	0	*** 5
		Civilian	0	0	0	0	0	0	0
		Mil Stu	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	9	0	* 9
		Civilian	0	0	0	35	** 74	48	* & ** 157
		Mil Stu	0	0	0	0	0	0	0

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

* - See next page

** - See page 2-26b

*** - NSWC, Crane (Matthews) phoned NSWC, Louisville (Bohn) on 02/01/95 and relayed that NAVSEA (Logan) wanted NSWC, Louisville to revise Table 2-A of all Scenario Data Calls to include the UICs of all Tenant Activities being transferred or eliminated (Table 2-C).

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

* - The 196 billets (187 civilians, 9 enlisted) proposed for transfer to NSWC, Port Hueneme are required to accomplish budgeted In-Service Engineering (ISE) workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. Forty-eight (48) ISE billets have previously been eliminated from the page 2-26 estimates and included in "Eliminated Positions" on page 2-33. The 196 billets have been discussed and agreed upon with NSWC, Port Hueneme.

196 BILLETS TRANSFERRING FOR ISE

TYPE OF BILLET	QUANTITY
EQUIPMENT SPECIALIST	9
ENGINEERS	51
TECHNICIANS	46
COMPUTER SPECIALIST	17
LOGISTIC MANAGEMENT	21
DATA MANAGEMENT	26
INDUSTRIAL SPECIALIST	1
MANAGEMENT ASSTS	15
QA SPECIALISTS	1
MILITARY	9
TOTAL	**196**

NOTE: THE QUANTITIES SHOWN IN THE ABOVE TABLE ARE THE ORIGINAL "BILLETS TRANSFERRING" PRIOR TO THE 12/12/94 REVISION. SEE PAGE 2-26b FOR REVISED QUANTITIES.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

IN RESPONSE TO BSAT QUESTION 1.a. AND 1.e. OF 1407, 12/09/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

** - The 166 billets (157 civilians, 9 enlisted) proposed for transfer to NSWC, Port Hueneme are required to accomplish budgeted In-Service Engineering (ISE) workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. Forty-eight (48) ISE billets have previously been eliminated from the page 2-26 estimates and included in "Eliminated Positions" on page 2-33. The 166 billets have been discussed and agreed upon with NSWC, Port Hueneme.

NSWC, PORT HUENEME
166 BILLETS TRANSFERRING FOR ISE

TYPE OF BILLET	QUANTITY	DIRECT	INDIRECT
EQUIPMENT SPECIALIST	4	4	0
ENGINEERS	41	41	0
TECHNICIANS	41	41	0
COMPUTER SPECIALIST	17	17	0
LOGISTIC MANAGEMENT	16	16	0
DATA MANAGEMENT	21	21	0
INDUSTRIAL SPECIALIST	1	1	0
MANAGEMENT ASSTS	15	7	8
QA SPECIALISTS	1	1	0
MILITARY	9	9	0
TOTAL	**166**	**158**	**8**

Note: The quantities in the above table have been reduced by 30 civilian billets, see * on page 2-35a.**

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-B: Disposition of Personnel and Equipment - Summary

From **Losing** Base: NSWC, LOUISVILLE

To **Gaining** Base: NSWC, PORT HUENEME

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	0	0	9	0	* 9
Civilian Positions	0	0	0	35	*** 74	** 48	* & *** 157
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	0	63	127	148	** 69	407
Tons of Support Equipment	0	0	0	0	0	0	0
Number of Light Vehicles	0	0	0	0	0	0	0
Number of Heavy Vehicles	0	0	0	0	0	0	0

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
MK45 Gun System	Necessary to support transferred workload.
MK75 Gun System	
CIWS BLK 0	
CIWS Blk 1	
CIWS Facility	

*** - See next page**

~~**** - See next page**~~

~~***** - See page 2-26 (**); and page 2-35a (***)**~~ NB 2/28/95

* - The 196 billets (187 civilians, 9 enlisted) proposed for transfer to NSWC, Port Hueneme are required to accomplish budgeted In-Service Engineering (ISE) workload anticipated through FY2001. The numbers have been validated and certified through previous Data Calls #5 and #12 and are supported by current planned workload estimates. Forty-eight (48) ISE billets have previously been eliminated from the page 2-26 estimates and included in "Eliminated Positions" on page 2-33. The 196 billets have been discussed and agreed upon with NSWC, Port Hueneme. **(See Table on Page 2-26a)**

IN RESPONSE TO BSAT QUESTION 2 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

The transition of a function, i.e., "Depot overhaul of CIWS", to the Gaining Activity cannot be accomplished/completed until all tooling, fixtures, equipment and machines are in place and the depot overhaul line is recertified. Since the move to NSY Norfolk has prerequisite MILCON (New construction) and MILCON (Rehabilitation) requirements, the transition of NSWC, Louisville equipment and machines must be delayed. MILCON efforts cannot be initiated until FY96. If the MILCONs complete in FY98, then the teardown/transition of NSWC, Louisville tooling, fixtures, equipment and machinery can begin in FY99 and be completed by FY01. To facilitate the shutdown of the CIWS depot program during the transition period, programmed workload (included in planned maintenance cycle), identified by PEO(TAD) and included in NAVCOMPT FY96/97 OSD Budget Submit, must be accomplished prior to the transition period. This requires an increase in the number of system overhauls for FY96 thru FY98. This is an optimistic schedule since: MILCON delays could occur; teardown/transition from NSWC, Louisville could be delayed due to completion of fleet overhaul requirements; and delays in "re-certifying" the Gaining Activity's "depot overhaul line for CIWS" could occur due to depot overhaul requirements for Naval Gun Weapon Systems.

(As a prerequisite to the transition to NSWC, Port Hueneme, completion of the above rationale and the move to NSY Norfolk must be accomplished.)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Justification for Relocation:

The Naval Gun Weapon Systems Technical Capability (TC #2) represent a workload base of 864 workyears*. This workload must be retained to support the Navy's requirements to provide Life Cycle Support of Naval Gun Weapon Systems. The primary missions of this TC are to provide core leadership in the acquisition, maintenance, and operational support of in-service and emerging NGWS/equipments; maintain the Navy's corporate memory (technical knowledge repository) of sufficient breadth, depth, and continuity to be able to perform as a smart buyer; maintain rapid response capability for reconstitution of our Naval forces if mobilization is needed; ensure that current and future fleet operational readiness requirements are achieved and maintained; and through defense conversion and technological transfer initiatives, strengthen the private sector's technology base for mission critical elements of NGWS/equipments.

This TC supports more than one product area element (PAE) by supporting both Engagement Systems (guns) and Theater Air Defense Systems. Future operational requirements for these PAEs have been significantly influenced by the Littoral Warfare Strategies described in "Forward...From the Sea". Due to the "operating forward" requirements of Littoral Warfare, surface combatants must operate near shore to provide NGFS in support joint operations with Marine and/or Army ground forces. Because Littoral warfare places our ships at a greater risk from multiple land, air and sea based threats, Theater Air Defense Systems will be critical to ship survivability. Thus, this TC is necessary to support other product areas due to the Littoral Warfare missions utilizing NGWS/equipments which further illustrates JMA responsibilities.

The inherently governmental function (smart-buyer) performed by this TC represents the Navy's corporate memory for NGWS/equipments and is impractical for the private sector to assume. This TC has been acquired over most of the fifty years that the NSWC/CD facilities have been a provider of goods (military) and services (engineering). The customer base of this TC includes other branches of DoD, non-DoD and FMS customers. For example, the FMS customer base for the PHALANX CIWS security assistance program currently supports Australia, Canada, Greece, Israel, Japan, Portugal, Saudi Arabia, Taiwan, Turkey and the United Kingdom with Brazil, Egypt, New Zealand, Spain, Thailand and Venezuela in the process of obtaining systems.

The full spectrum hands-on experience in both a sponsorship role and appraisal role in support of acquisition and readiness in the functional areas of exploration, assessment, development, evaluation, production, operation and maintenance provides a unique synergy for NGWS/equipments support.

Undoubtedly, this TC's most important resource is its people which cumulatively

* Direct workyears derived from NAVCOMPT FY96/97 OSD Submit

represents thousands of man-years of experience. The stability of it's work force provides the continuity necessary to perform the inherently governmental roles of sponsorship and appraisal required for life cycle support of NGWS/equipments. Whether developing, modernizing, upgrading, maintaining or producing major system prototypes or reactivating "Old Warrior" (Battleships) this TC has been able to maintain a core technological base to respond to any operational fleet requirement. Operational readiness would be impacted if this TC were not maintained organically.

The unique integration of engineering/industrial capability provides a full spectrum manufacturing, repair and systems overhaul capability for which no other source exists, for products where no interest exists in the private sector and for rapid response situations to fleet safety requirements.

Loss of this TC would result in an irreversible loss of the Navy's corporate memory (a DON imperative to maintain a repository of technical knowledge for critical mission essential Weapons Systems/equipments supported by this TC) and the loss of an inherently governmental role, that of being a smart buyer. Additionally, the Navy's ability to reconstitute resources to address future threats would be severely limited.

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NSWC, LOUISVILLE

To Gaining Base: NSWC, DAHLGREN

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00197	NSWC, LOUISVILLE	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	8	0	0	0	0	0	8
		Mil Stu	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	8	0	0	0	0	0	8
		Mil Stu	0	0	0	0	0	0	0

NOTE: SEE PAGE 2-30a FOR RESPONSE TO BSAT QUESTION 1.a. OF 1407, 12/09/94

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

IN RESPONSE TO BSAT QUESTION 1.a. OF 1407, 12/09/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

On 12/12/94, the following table was generated to show **DIRECT** and **PRODUCTION INDIRECT** breakdown of billets transferred:

NSWC, DAHLGREN
8 BILLETS TRANSFERRING FOR SCIENCE & TECHNOLOGY

TYPE OF BILLET	QUANTITY	DIRECT	INDIRECT
ENGINEERS	8	8	0
TOTAL	8	8	0

Table 2-B: Disposition of Personnel and Equipment - Summary

From Losing Base: NSWC, LOUISVILLE

To Gaining Base: NSWC, DAHLGREN

	1996	1997	1998	1999	2000	2001	Total
Officer Billets	0	0	0	0	0	0	0
Enlisted Billets	0	0	0	0	0	0	0
Civilian Positions	8	0	0	0	0	0	8
Military Students	0	0	0	0	0	0	0
Tons of Mission Equipment	0	0	0	0	0	0	0
Tons of Support Equipment	0	0	0	0	0	0	0
Number of Light Vehicles	0	0	0	0	0	0	0
Number of Heavy Vehicles	0	0	0	0	0	0	0

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
N/A	N/A

Table 2-C: Eliminated Billets/Positions

Using the Base Loading Data Attachment, identify, by UIC, for both the host and tenant activities, the number of military billets and/or civilian positions which will be eliminated as a result of the closure/realignment scenario. For each UIC on the Base Loading Data Attachment where military billets and/or civilian positions will be eliminated, make a separate entry on Table 2-C. Identify the number of Officer Billets, Enlisted Billets and/or Civilian Positions which will be eliminated in each Fiscal Year. Note that for a total closure scenario, the total number of billets/positions moved plus those eliminated must equal the entire workforce at the activity as of the end of FY 2001 as shown on Base Loading Data Attachment. Numbers entered here should reflect a thorough review of staffing requirements at both the losing and receiving sites, and include **all** potential job eliminations which would result from consolidation efficiencies, economies of scale, etc. Reductions should reflect both overhead/support eliminations and direct labor eliminations, as appropriate. Eliminations should be entered in the year(s) in which they are expected to occur, for example, if 80 civilian positions will be eliminated in FY 2000 and an additional 50 positions will be eliminated in FY 2001, then enter the data as follows: FY 1996 - 1999 = 0, FY 2000 = 80, FY 2001 = 50, Total = 130. **Do not identify any of the following as eliminated billets/positions in Table 2-C:**

- Planned Force Structure Reductions (FY 1996 through 2001).
- Military Students.
- Non-DON tenants.

Drilling reservists should also not be included in numbers of eliminated billets. Disposition of any tenant or reserve activities must be adequately coordinated.

Table 2-C: Eliminated Billets/Positions

Losing Base Name: NSWC, LOUISVILLE

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
N00197	NSWC, LOUISVILLE	Officer	0	0	0	0	1	2	* 3
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	46	66	*** 126	**&*** 133	49	*&**&*** 420
	NIS	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	1	0	* 1
	PSD	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	1	0	0	* 1
	NAVFAC	Officer	0	0	0	0	0	1	* 1
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	3	0	* 3
	CNET	Officer	0	0	0	0	0	0	0
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	0	0	0	0	0	0
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
	TOTAL	Officer	0	0	0	0	1	3	* 4
		Enlisted	0	0	0	0	0	0	0
		Civilian	0	46	66	*** 127	**&*** 137	49	*&**&*** 425

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity with eliminated positions/billets.

*** - See next page**

~~** - See page 2-33b~~ AB 2/28/95

~~*** - See page 2-33c~~

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

IN RESPONSE TO BSAT QUESTION RECEIVED 2200, 12/21/94, THE FOLLOWING REVISION IS PROVIDED:

*** - On 12/21/94, NSWC, Louisville was advised by NSWC, Crane that NSY Norfolk would require an additional 20 billets to accomplish the proposed transition of depot workload. NSWC, Louisville revised Table 2-A on page 2-12 R~~(12/22/94)~~ 3/24/95 to add the additional billets in FY1999 and FY2000. Therefore, 20 fewer Depot Manager billets are being eliminated. ~~The remaining 21 Depot Manager billets shown below were part of the 41 depot overhaul billets previously eliminated and discussed on page 2-12c R(12/12/94).~~

429 BILLETS BEING ELIMINATED NSWC, LOUISVILLE 2/28/95

TYPE OF BILLET	QUANTITY	DIRECT	INDIRECT
PAINTERS	16	16	0
HEAT TREATERS	8	8	0
FABRICATORS	38	38	0
WELDERS	39	39	0
MACHINISTS	69	69	0
ENGINEERS	40	40	0
DATA MANAGEMENT	10	10	0
ELECTRONIC MECHANICS	36	36	0
ORDNANCE EQUIP. MECHANICS	76	76	0
LOGISTIC MANAGEMENT SPEC.	7	7	0
MANAGEMENT ASSTS.	6	3	3
PRODUCTION CONTROLLERS	21	10	11
INSPECTORS	7	7	0
QA SPECIALISTS	3	3	0
DEPOT MANAGERS	*** 21	0	*** 21
ADMINISTRATION	13	0	13
SUPPLY MANAGEMENT	10	0	10
TENANTS	5	0	5
MILITARY	4	0	4
TOTAL	*** **429**	**362**	*** **67**

R (2/24/95)

Table 2-D: Manpower Reconciliation Data. It is imperative that all manpower is accurately accounted for in the closure/realignment scenario. Using the data from the Base Loading Data Attachment and Tables 2-B and 2-C, complete the "reconciliation" table shown on the next page. Note that Line C of the table should include any changes in manpower resulting from the implementation of prior BRAC actions at the base. These changes should also be annotated on the Base Loading Data Attachment and reflected in Line D of the table, "End FY 2001".

(see next page)

Table 2-D: Manpower Reconciliation Data

	Officers	Enlisted	Civilians	Mil Stu	Total
A. Begin FY 1996:	5	11	1607	0	1623
B. Force Structure Changes(+/-):	-1	0	-300	0	-301
C. Prior BRAC Changes (+/-):	0	0	*** -30 **BRAC-91**	0*	*** -30
D. End FY 2001:	4	11	** 1307	0	1322
Moving to (List each Gaining Base):					
1. NSY Norfolk	0	0	**** 489	0	*&**** 489
2. NSWC, Crane	0	2	228	0	230
3. NSWC, Port Hueneme	0	9	*** 157	0	*** 166
4. NSWC, Dahlgren	0	0	8	0	8
5.					
6.					
E. Total Billets/Positions Moving:	0	11	***&**** 882	0	*&***&**** 893
F. Eliminated Billets/Positions:	4	0	***&**** 425		*&***&**** 429
G. Remaining at Losing Base:	0	0	0	0	0
H. Sum of Lines E, F, and G:	4	11	1307	0	1322

Notes: Do not fill in shaded cells. **Double check** your work. **Line H** (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

*** - See next page**
**** - See next page**
***** - See next page**
****** - See page 2-35c**

* - The 419 billets (415 civilian, 4 officers) consist of 367 depot overhaul billets, 48 ISE billets and 4 Officer billets. The "eliminated billets" were negotiated with NSY Norfolk and NSWC, Port Hueneme, respectively. Workload for transition of all other billets has been substantiated. **(See Table on Page 2-33a)**

IN RESPONSE TO BSAT QUESTION 1 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

** As of 26 November 1994, there was an increase of 22 civilian billets vs. the 17 billets stated in the question. In the original submission of this scenario, dated 11/17/94, tenant civilian billets were erroneously omitted from Table 2-D: Manpower Reconciliation Data (page 2-35). Corrections to Table 2-D: Manpower Reconciliation Data were made on 11/26/94. The corrections were to account for **17 civilian (tenant) billets** originally shown in the "BRAC-95 SCENARIO DEVELOPMENT DATA CALL ATTACHMENT 1: BASE LOADING DATA" table plus an **additional 5 civilian (tenant) billets** which were not shown in the original Base Loading Data. The end FY 2001 civilian billets number was revised on 11/26/94 from 1285 to 1307, showing a net increase of 22.

IN RESPONSE TO BSAT QUESTION 1.e. OF 1407, 12/09/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

*** On 12/12/94, a previous error (the omission of "Prior BRAC Changes") was corrected and Table 2-A, page 2-26; Table 2-B, page 2-27; Table 2-C, page 2-33 and Table 2-D, page 2-35 were revised to show the appropriate data as explained below:

BRAC 91 does require the realignment of 30 workyears of Combat Systems ISEA work from NSWC, Louisville to NSWC, Port Hueneme by FY 97 with no expected impact on existing facilities. These two activities are engaged in a process to identify the Combat Systems ISEA workload and accomplish the required realignment. This process has been complicated by the need to sort out the Gun Weapon Systems Acquisition Engineering being performed at NSWC, Louisville and the Gun Weapon Systems ISEA, identified for transfer to Port Hueneme. The engineering personnel at NSWC, Louisville support both of these functions. However, we recognize the requirement to accomplish the 30 Combat Systems ISEA workyears to be realigned as directed in BRAC 91 and state that no costs for these 30 workyears are included in the BRAC 95 scenarios. The costs identified in scenarios 012 and 013 are due to the transition of an additional 166 billets (157 civilian and 9 military) for these scenarios. The 196 billets (187 civilian and 9 military) shown in the scenario account for all personnel on-board as of FY96. Thirty (30) billets should not be included in the COBRA algorithm entries for this BRAC 95 scenario.

IN THIS REVISION, THIS PAGE IS INTENTIONALLY LEFT BLANK

IN RESPONSE TO BSAT QUESTION RECEIVED 2200, 12/21/94, THE FOLLOWING REVISION IS PROVIDED:

**** - On 12/21/94, NSWC, Louisville was advised by NSWC, Crane that NSY Norfolk would require an additional 20 billets to accomplish the proposed transition of depot workload. NSWC, Louisville revised Table 2-A on page 2-12 R~~(12/22/94)~~ to add the additional billets in FY1999 and FY2000. ~~The "Eliminated Positions" chart on page 2-33 R(12/22/94) has been decreased by 20~~. Table 2-D on page 2-35 R(12/22/94) shows the 489 personnel to be transferred to NSY Norfolk and the reduction of 20 "Eliminated Billets/Positions". Table 2-D reflects the current reconciliation of manpower in response to this BSAT question. 2/28/95 2/28/95

Table 2-E: Caretaker Requirements (Mothball Scenarios Only). Complete the table below to identify any permanent caretaker requirements associated with a "mothball" (deactivation) scenario. **Caretakers should only be identified if an activity will be mothballed as opposed to closed or realigned.** Scenario data call tasking will identify if this is a "mothball" scenario. This area should not be used to identify temporary caretaker requirements associated with closure of the facility. If some or all of the activity will be mothballed, as opposed to closed or realigned, then identify the number of military and/or civilian caretakers that will be required to remain permanently at the activity. Enter the number of caretakers which will be added to the activity in each year. For example, if 100 caretakers will be required in 1996, and then this number will be increased to 150 in 1997 and out, then enter 1996 = 100, 1997 = 50, leave 1998 through 2001 blank, and enter 150 as the total.

Table 2-E: Caretaker Requirements ("Mothball" Scenarios Only)

Losing Base Name: NSWC, Louisville							
	1996	1997	1998	1999	2000	2001	Total
Military Caretakers	0	0	0	0	0	0	0
Civilian Caretakers	0	0	0	0	0	0	0

Table 2-F: Dynamic Base Information

Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (2-F) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 2-F: Supporting Data:

a. Other One-Time Unique Costs. Identify any other one-time unique costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, lease termination costs, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed separately in item c. below. For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC, Louisville

	Cost($K)	FY	Note	Description
1.	180	98	7	Dismantle/inspect supply equipment
2.	184	99	7	Dismantle/inspect supply equipment
3.	0	97	1	Environmental permits
4.	0	98	1	Environmental permits
5.	318	99		Maintenance of Buildings/Structures/Ground
6.	318	00		Maintenance of Buildings/Structures/Ground
7.	318	01		Maintenance of Buildings/Structures/Ground
8.	750	99		Utilities/Utilities Maintenance
9.	750	00		Utilities/Utilities Maintenance
10.	750	01		Utilities/Utilities Maintenance
11.	67	99		Refuse, telephone, janitorial
12.	67	00		Refuse, telephone, janitorial
13.	67	01		Refuse, telephone, janitorial
14.	2,223	96		*Environmental cost of closure
15.	2,223	97		*Environmental cost of closure
16.	2,223	98		*Environmental cost of closure
17.	3,000	99	2	Prepare MK45 and MK75 functional engineering models for NSWC, Port Hueneme
18.	13,000	96	3	CIWS Advanced Overhaul in preparation for closure
19.	12,600	97	3	CIWS Advanced Overhaul in preparation for closure

20.	16,000	98	3	CIWS Advanced Overhaul in preparation for closure
21.	2,500	97	5	Orientation of new CIWS personnel to accomplish advanced overhaul workload
22.	1,500	98	5	Orientation of new CIWS personnel to accomplish advanced overhaul workload
23.	500	99	5	Orientation of new CIWS personnel to accomplish advanced overhaul workload
24.	7,000	96	3	CIWS - Long lead material procurement for advanced overhaul
25.	0	96	4	Depot transitional cost to sustain fleet readiness
26.	0	97	4	Depot transitional cost to sustain fleet readiness
27.	8,634	98	4	Depot transitional cost to sustain fleet readiness
28.	8,674	99	4	Depot transitional cost to sustain fleet readiness
29.	4,790	00	4	Depot transitional cost to sustain fleet readiness
30.	7,606	99	6	CIWS depot transitional cost to maintain workforce expertise
31.	15,668	00	6	CIWS depot transitional cost to maintain workforce expertise

* This cost does not include the environmental clean-up of "E" bldg. at NSWC, Louisville.

Note 1: The "Environmental Permits" cost of $25K in FY 97 and $27K in FY 98 were erroneously included in the losing base totals. This cost should have been included in the gaining base totals for additional plating functions, hazardous material processes, and hazardous material storage, and/or, additional workload for these functions, transferred from NSWC, Louisville. Data call scenarios numbers 012 and 013 have been revised to delete these costs from enclosure (2) and add the cost to enclosure (3). On 11/25/94, NSY Norfolk concurred with a cost of $81K for "Environmental Permits at the gaining Activity". The actual costs of executing "Environmental Cost of Closure" are cited in #s 14., 15. and 16. of page 2-37. These costs are in addition to the previously certified costs of environmental clean-up for Building E, the old plating facility. Cost for environmental clean-up of Building E must be expended before the Building can be re-utilized or closed in place, without becoming an environmental burden on the local community. The cost of clean-up/closure of Building E is not included in the scenario cost model.

Note 2: The cost required to prepare MK45 and MK75 engineering models for In-Service Engineering effort.
The ISE function being transferred to NSWC, Port Hueneme requires the on-site availability of a MK 45 gun mount and MK 75 gun mount. The cost to overhaul these needed assets is $2,000,000 and $1,000,000, respectively. These assets are required so the ISE can readily investigate problems, develop ordnance improvements and install, test and evaluate Ordnance Alterations (ORDALTS).

Note 3: This note applies to CIWS items #18, #19, #20 and #24. The original BRAC Scenario Development Data Call for the transfer of CIWS was based upon a premise of a total duplication of equipment, close facilities at NSWC, Louisville and then move the remaining equipment from NSWC, Louisville to NSY Norfolk. This scenario was developed and still considered to be valid for movement to sites separated by considerable distance and sites that have limited state-of-the-art electronic test, evaluation and repair capabilities. The capabilities located within the Warfare Center industrial activities have this advanced capabilities required. The Naval Shipyards as cited in the "NAVSEA Industrial Capacity Study" of 28 February 94 indicated the lack of this advanced capabilities.

The phased approach is outlined as follows:

* Establish facilities at NSY Norfolk for CIWS
* Lay out process within the facilities as identical as possible to NSWC, Louisville
* Move equipment over an 18-month transition period
* Proof processes and validate
* Certify and operate

The phased approach assumes the following:

* Material available to start the extra effort by mid-FY96
* Technical expertise available
* Depot Level Repairable carcasses available
* Customer requirements constant
* Max. capacity - 100 mounts/year

To facilitate the shutdown of the CIWS depot program during the transition period, programmed workload (included in planned maintenance cycle), identified by PEO(TAD) and included in NAVCOMPT FY96/97 OSD budget submit, must be accomplished prior to the transition period. This requires an increase in the number of system overhauls for FY96 thru FY98.
To facilitate the advanced overhaul requirements, additional long lead material will be required to support this workload. The additional procurement of this material has not been planned or programmed.

Note 4: Depot workload, other than CIWS, is being transitioned without any long term shutdown of the overhaul lines; however, this does produce operational downtimes and inefficiencies during this transition. This loss of efficiency is incurred as parts of the machine shop equipment are unavailable and thus alternative, non-optimum, methods are employed resulting in additional costs to produce the same products. Downtime on the unique machines, test stands and test equipment will occur during the teardown, shipping and reassembly at the receiving site.

These losses are derived by applying experiential data and using the mathematical techniques developed by the Directorate of Procurement and Production, United States Army Missile Command, Redstone Arsenal, Alabama. These techniques were based on the pioneering work of Mr. P. T. Wright in an article titled "Factors Affecting the Cost of Airplanes" which was published in the Journal of Aeronautical Science (Feb 1936). Naval Ordnance Station, Louisville (NOSL) has been using these techniques for over fifteen years to estimate the cost of both overhaul and new production and has extended the methodology to include the effects of decreasing production rates and phase-out of production programs.

These techniques use "productivity curves" that, for start-up production, are based on the concept that as the total quantity of units produced doubles, the hours required per unit for the last unit produced will decrease by a fixed percentage. The mathematical representation of the relationship is:

$Y = AX^B$ or (1)

$\text{Log } Y = \text{Log } A + B(\text{Log } X)$ (2)

where: A = the cost of the first unit
X = the number of the unit for which the cost is being calculated
B = the slope of equation (2) which is normally negative for production start-ups and
positive for reducing production rates and phasing out production and is calculated as Log(% rate of productivity increase/decrease)/Log(2).
Y = the cost of unit number X.

The cumulative cost of units produced for a continuous production process is:

$$\sum_1^N AX^B = A(1^B + 2^B + 3^B + \ldots + N^B) \quad (3)$$

where: N = total number of units produced

If the cost of a contiguous group of units out of the total number produced is desired, the following equation applies:

$$\sum_C^D AX^B = A(C^B + (C+1)^B + (C+2)^B + (C+3)^B + \ldots + (D-1)^B + D^B) \quad (4)$$

where: C = the number of the first unit in the group
D = the number of the last unit in the group

Most continuing overhaul programs, of sufficient volume, of moderately complex weapon systems at NOSL have a productivity factor of approximately 85% (.85) which yields a value for B equal to Log(.85)/Log(2) which equals -.234465. This value of B is the slope of equation (2) which is a straight line when plotted on Log Log paper and since it is negative, it means that the number of labor hours required will steadily decrease over time as long as the workload remains relatively constant. Decreasing workload volume on overhaul programs and phase-out of overhaul programs produce productivity factors of 100% and higher and cause the slope of the productivity curve to change. This is particularly true when only one weapon system at a time is in the overhaul process because there is no rotating pool of parts/assemblies available to ensure that the overhaul proceeds on schedule.

The ASROC overhaul program is a good example (ie. a steady relatively high volume program, a declining program, and the phase-out of the program). During the peak years for ASROC, approximately thirty to forty systems per year were overhauled. The productivity factor during this time was approximately 85% which was due to the stable workforce and material availability due to the large number of systems in the production pipeline. During the scale-back of the ASROC overhaul program, the productivity factor increased to over 100% due primarily to changes/reductions in the work force which caused the work hours required per system to begin increasing. When the phase-out of the ASROC program began, the productivity factor increased to approximately 130% (1.30 which makes B equal to .378512) due to additional work force changes and due to the lack of a pool of material to keep production progressing on schedule. In fact, during phase-out it may become impossible to complete the final system at an affordable cost.

For the purposes of this scenario, it is impossible to perform individual calculations for each and every product for each and every deliverable. Fortunately this is not necessary in order to obtain an accurate estimate of the costs incurred due to the transfer of workload from NOSL to NNSY. Historical data shows that for new manufacture, cost growth in the final phase-out period is normally around ten percent and is due primarily to personnel changes. For moderately complex overhauls, such as TAS and Armored Box Launcher, cost growth in the phase-out period is typically twenty percent. For complex overhauls, such as major caliber gun systems, cost growth in the phase out period is typically thirty percent. It has been shown by experience at NOSL and by research by the US Army Missile Command that aggregate workload may be treated as a FY buy using the prior year as a baseline and using a cost growth rate based on the mix and workload volume. Based on the phasing of the workload transfer, the estimated cost growth factors are fourteen percent for FY98, eighteen percent for FY99, and thirty percent for FY00. Based on these factors and on the workyears, the cost growth resulting from the transfer of the workload

can be calculated from equation (1).

FY98: $Y = (464)(2)^{.189034} = 529$ workyears for a cost growth of 65 workyears

FY99: $Y = (384)(2)^{.238787} = 453$ workyears for a cost growth of 69 workyears

FY00: $Y = (143)(2)^{.378512} = 186$ workyears for a cost growth of 43 workyears

The workload mix for FY98 yields a composite stabilized rate of $75.90 for a cost growth of $8,634K, for FY99 the composite stabilized rate is $71.83 for a cost growth of $8,674K, and for FY00 the composite stabilized rate is $63.65 for a cost growth of $4,790K. This yields a total cost growth, caused by the transfer of the workload, of $22,098K.

On 11/30/94 NSY Norfolk stated they would accept 469 of the 790 workyears and as a result items 25 and 26 were reduced to zero. Items 27 through 29 were also reduced.

Note 5: Additional personnel are required to accomplish the depot overhaul of CIWS systems/components in advance of the anticipated 18-month downtime while the Depot is re-established/recertified at the gaining Activity.
To facilitate the advanced overhaul requirements, additional personnel are required to support the workload requirements. The addition of these personnel will require specialized training which has not been planned or programmed.

Note 6: Cost to retain 200 Category C employees and 40 Category B employees in Code 50 and 29 Category C (equivalent) employees in Code 90 while re-establishing the CIWS depot overhaul capability at NSY Norfolk. Personnel will be used to teardown and set up the equipment during the 18-month shutdown period; however, there will be reduced efficiencies during this time.

FY99

(200 CAT C)($ 57.48/HR)(875 HRS/YR) = $10,059,000
(40 CAT B)($ 68.97/HR)(875 HRS/YR) = $ 2,414,000
(29 CAT 6)($107.94/HR)(875 HRS/YR) = $ 2,739,000
$15,212,000

Max of 50% EFF. During transition: .50 x $15,212,000 = $7,606,000

FY00

(200 CAT C)($ 59.20/HR)(1750 HRS/YR) = $20,720,000

(40 CAT B)($ 71.04/HR)(1750 HRS/YR) = $ 4,973,000
(29 CAT 6)($111.17/HR)(1750 HRS/YR) = $ 5,642,000
$31,335,000

Max of 50% EFF. During transition: .50 x $31,335,000 = $15,667,500

Note 7: The "Dismantle/Inspect Supply Equipment" costs are as follows: ($000)

Coordinate Measuring Machine	$ 9
Nicon Optical Comparator	9
Automated Storage/Retrieval System (V-Bldg)	160
Automated Storage/Retrieval System (Bldg 102)	140
V Building Conveyors	20
Storage High Rise Racks	26
Total	$ 364

The estimates for the above costs were obtained by contacting the manufacturer who installed the equipment. The equipment will be moved in FY98 and FY99.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Gaining Base: NSY Norfolk

	Cost($K)	FY	Note	Description
1.	0	97	1	Contracting cost for new capital equipment
2.	0	98	1	Contracting cost for new capital equipment
3.	0	99	2	Environmental permits at receiving site
4.	0	99	1	Replacement of capital equipment
5.	0	98	3	Recertification of production processes & personnel
6.	0	99	3	Recertification of production processes & personnel
7.	0	00	3	Recertification of production processes & personnel
8.	0	99	4	Capital equipment (jib cranes)
9.	0	98	3	Additional capital equipment maintenance
10.	0	99	5	Subsafe certification
11.	0	98	6	Establish special support functions (Norfolk)
12.	0	99	6	Establish special support functions (Norfolk)
13.	0	97	7	Computer operational equipment/networks/ communication systems
14.	0	96	8	TRS development (Norfolk)
15.	0	97	8	TRS development (Norfolk)
16.	0	98	8	TRS development (Norfolk)
17.	0	99	8	TRS development (Norfolk)
18.	0	96	9	CIWS - Automatic Storage Retrieval System
19.	0	96	3	CIWS - Pneumatic Test Facility
20.	0	96	9	CIWS - Phalanx Engineering Maintenance Program
21.	0	96	10	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
22	0	97	10	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
23.	0	98	10	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
24.	0	96	10	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
25.	0	97	10	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
26.	0	98	10	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
27.	0	96	10	CIWS - System Modernization/Upgrade/Overhaul Facility
28.	0	97	10	CIWS - System Modernization/Upgrade/Overhaul Facility
29.	0	98	10	CIWS - System Modernization/Upgrade/Overhaul Facility

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

	Cost($K)	FY	Note	Description
30.	0	96	3	CIWS - Environmental Test Facilities
31.	0	98	10	CIWS - Certification of all test systems and test programs

Note 1: Through negotiations with NSY Norfolk on 11/25/94, it was agreed that "Replacement of Capital Equipment", item #4, would be reduced to $500K. Since the new Capital Purchase Program (CPP) equipments are Automatic Test Equipments, in CPP Class 4, NSY Norfolk states that they can use local procurement personnel and eliminate the DGSC fees cited in items #1 and #2. Items #1 and #2 have been reduced to zero.

Note 2: The "Environmental Permits" cost of $25K in FY 97 and $27K in FY 98 were erroneously included in the losing base totals. This cost should have been included in the gaining base totals for additional plating functions, hazardous material processes, and hazardous material storage, and/or, additional workload for these functions, transferred from NSWC, Louisville. This data call scenario has been revised to delete these costs from enclosure (2) and add the cost to enclosure (3). On 11/25/94, NSY Norfolk concurred with a cost of $81K for "Environmental Permits at the gaining Activity". The actual costs of executing "Environmental Cost of Closure" are cited in #s 14., 15. and 16. of page 2-37. These costs are in addition to the previously certified costs of environmental clean-up for Building E, the old plating facility. Cost for environmental clean-up of Building E must be expended before the Building can be re-utilized or closed in place, without becoming an environmental burden on the local community. The cost of clean-up/closure of Building E is not included in the scenario cost model.

Note 3: Negotiations with NSY, Norfolk on 11/25/94 resulted in the acceptance of this item and relocation from enclosure (2) to enclosure (3).

Note 4: Item #8, The following quantities of cranes were estimated for the proposed 300,000 Sq Ft facility based upon current quantities of cranes utilized in "A", "B" and "C" Buildings at NSWC, Louisville:

(4) 75 Ton Bridge Cranes
(16) 20 Ton Bridge Cranes
(80) 1/4 to 1 Ton Jib Cranes

The cost of procurement and installation of these cranes is based upon engineering data developed by Code 098 as follows:

75 Ton Bridge Crane	$451,750
20 Ton Bridge Crane	$210,000
1/4 to 1 Ton Jib Crane	$10,000

Cost Estimate Calculations

(4)	75 Ton Bridge Cranes @ $451,750	= $1,807,000
(16)	20 Ton Bridge Cranes @ $210,000	= $3,360,000
(80)	1/4 to 1 Ton Jib Cranes @ $10,000	= $ 800,000
	Total	$5,967,000

Negotiations with NSY, Norfolk on 11/25/94 resulted in the acceptance of this item and relocation from enclosure (2) to enclosure (3).

Note 5: SUBSAFE Level 1 Depot capability for MK 17 and MK 19 Turbine Pump Ejection Systems (TPES) will have to be reestablished and recertified at NSY Norfolk. The necessary material and facility control processes are paper/QA intensive and will have to be recertified by SUPMEP (Submarine Maintenance Engineering, Planning and Procurement Activity) NAVSEA and Newport. The documents that control the certified Depot at NSWC, ORDSTA Louisville are NAVSEA 0924-062-0010 and NAVSEA 0948-LP-045-7010.

On 11/25/94, NSY Norfolk stated their existing SUBSAFE certification was sufficient for the TPES Certification, so this cost has been reduced to zero.

Note 6: Industrial processes support facilities: metallurgical composition and tensile test verification lab, environmentally controlled inspection facility, grit, powder and sand blast facilities, paint booth facilities, X-ray facilities, heat treat facilities, paint storage and handling facility to accommodate polymers, solvents, epoxy resins and other materials (OSHA requirements), outdoor new and used heat treat quench oil storage facility with concrete, leak catch basin, visual shielding, spark and slag catch basins, and high frequency noise reduction for gas and plasma arc cutting processes (OSHA requirement), manufacturing/repair technology facility. Special utility support requirements: Electrical power sufficient to supply high horse power motors, electrical service modifications to meet individual machine tool requirements per manufacturer's specifications including separate circuits, voltage converters, isolation transformers, and special grounding requirements, significant amount of steam required for heat treating which is located in various adjacent buildings currently allowing for one main steam source, compressed air supply system of adequate size to operate pneumatic machine tool components and air operated hand tools, compressed air is used throughout the production areas for cleaning, machining processes, inspection and in the operation of several machines, electrical service modifications requiring special transformers, voltage conversion, and circuit isolation for welding equipment, water utilities with supply lines to machine tools with water chilled oil coolers, coolant filtration system for grinding equipment. Chemical, fluid, solvent, and paint requirements: Gas storage tanks, numerous 500 gallon bulk storage tanks throughout the

facility for welding, plasma/laser cutting, fuel for heat treat furnaces and processes, flame spray furnaces, duplication of chemicals and fluids for plating, treatment of waste water and other industrial operations will be required. Special Foundations: Significant foundation and pit requirements exist, majority of machine tools require concrete foundations, many require pits several feet deep, each requiring shock resistance for the machine tool and to preclude shock transferring to nearby machine tools. Special Furnaces: Heat treat furnaces, one of two largest can accommodate a box car, second of two largest is approximately 25 feet tall with 4 separate 15 - 20 feet deep pits with rails for the Gantry furnace to maneuver over each pit. Environmentally controlled work and test requirements (OSHA requirements). Work area ventilation necessary to evacuate hazardous fumes generated from special welding processes (OSHA requirement). Resource specific, special tooling, tombstones, and fixtures. Resource specific processes, machine methods, routing, NC programs, etc.

During negotiations with NSY Norfolk on 11/25/94, "Special Support Functions" were discussed and the list of requirements was reduced to a dollar value of $25M in FY98 and $25M in FY99. NSY Norfolk stated that other requirements cited by NSWC Louisville in items #11 and #12 can be accommodated by existing NSY Norfolk equipment/facilities.

Negotiations with NSY Norfolk on 11/25/94 resulted in the acceptance of this item and relocation from enclosure (2) to enclosure (3).

Note 7: NSY Norfolk stated that $500K is sufficient to accommodate Naval Weapon System Overhauls in lieu of transfer of the existing MRP II (planning/scheduling/ordering) system. $1,934K was reduced to $500K and moved to enclosure (3).

Note 8: Negotiation with NSY Norfolk on 11/25/94 resulted in the acceptance of this item and relocation from enclosure (2) to enclosure (3).

Note 9: NSY Norfolk stated they had sufficient means to support the storage and material handling requirements without the procurement of additional equipment. This item has been reduced to zero.

Note 10: The change in this scenario now assumes that the CIWS depot overhaul facility will shut down for an 18-month period and move to the gaining site versus the previous assumption that the CIWS depot overhaul facility would be **replicated** at the gaining site. Items #21 through #29 and item #31 have been changed to zero and the existing CIWS depot overhaul facility requirements have been moved to the losing base in enclosure (2) and the gaining base in enclosure (3).

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BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Gaining Base: NSWC, CRANE

	Cost($K)	FY	Note	Description
1.	0	98	1	Establish special support functions (Crane)
2.	0	99	1	Establish special support functions (Crane)

Note 1: Discussions with NSWC, Crane indicate the requirement for special support will be accommodated with existing resources. This item has been reduced to zero.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include net proceeds to DoD resulting from an existing MOU with a state or local government, one-time environmental compliance cost avoidances, etc. This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include Construction Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered under item i. below). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC, LOUISVILLE

Savings ($K)	FY	Description
None		

c. One-Time Unique Moving Costs. The COBRA algorithms use standard packing and shipping rates to calculate the cost of transporting equipment and vehicles. Identify here only those unique moving costs associated with movements out of the losing base that would be incurred in addition to standard packing and shipping costs associated with tonnage and vehicles identified in Table 2-B. Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc. If unique costs identified here include packing and shipping costs, then ensure that tonnage for this "unique" equipment is not included under the Mission and Support equipment identified in Table 2-B. For each cost included in the table above, identify the amount, year in which the cost will be incurred, the name of the gaining base and a brief description of the cost.

Losing Base: NSWC, LOUISVILLE

	Cost ($K)	FY	Gaining Base	Note	Description
1.	* 277	99	Norfolk	1	Equipment teardown/recalibration (TC #2)
2.	* 514	00	Norfolk	1	Equipment teardown/recalibration (TC #2)
3.	* 0	01	Norfolk	1	Equipment teardown/recalibration (TC #2)
4.	650	00	Norfolk	1	Equipment teardown/recalibration (TC #2)
5.	* 314	97	Norfolk	1	Equipment teardown/recalibration (TC #8)
6.	* 244	98	Norfolk	1	Equipment teardown/recalibration (TC #8)
7.	* 998	99	Norfolk	1	Equipment teardown/recalibration (TC #8)
8.	105	99	Crane	1	Equipment teardown/recalibration (TC #14)
9.	10	98	PHD	1	Equipment teardown/recalibration (TC #13)
10.	90	99	PHD	1	Equipment teardown/recalibration (TC #13)
11.	* 2,015	98	Norfolk	1	Equipment teardown/recalibration (TC #12)
12.	* 3,023	99	Norfolk	1	Equipment teardown/recalibration (TC #12)
13.	* 4,030	00	Norfolk	1	Equipment teardown/recalibration (TC #12)
14.	* 1,008	01	Norfolk	1	Equipment teardown/recalibration (TC #12)
15.	0	97	Crane	2	Production support ADP equipment teardown/recalibration
16.	159	98	Crane	2	Production support ADP equipment teardown/recalibration
17.	80	99	Crane	2	Production support ADP equipment teardown/recalibration

*** - See page 2-40c**

Note: Page 2-40 instructions for "one-time unique moving costs" cites: "Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc.". Routine packing, shipping, set-up and recalibration costs for the gaining Activity are covered under the "Tons

of Mission Equipment" to be sent to the gaining activity. The recalibration costs cited on page 2-40 are the "Unique, special recalibration costs" that should be incurred by the technicians/specialists at NSWC, Louisville to ensure the minimum lapse in mission support to the depot functions. It is anticipated that the NSWC, Louisville technicians/specialists would travel to the gaining Activity to accomplish this work.

*** IN RESPONSE TO BSAT QUESTION OF 11/28/94 THE FOLLOWING CLARIFICATION IS PROVIDED:**

The expertise of Weapon Systems technicians/specialists is required at the gaining site to setup and recalibrate specialized laboratory and industrial equipments during the transition process. These personnel are technicians/specialists who will transition to different sites, with the ISE and Acquisition functions.

Note 1: Item 1 thru 3 - Provides cost for teardown and recalibration for 50 pieces of Equipment, movement of 6 Gun Mounts and 6 pieces of electrical equipment. Total cost of $1,511,040 spread over 3 years.

Move and Calibrate 50 pieces of equipment = (50)x(3 Men)x(4Wks)
x(40Hrs)x($60/Hr)=$1,440,000
Prep/Preserve 6 gun mounts = (6)x(2 Men)x(2Wks)x(40Hrs)x($60/Hr)=$57,600
Prep Electrical Equipment = (6 units)x(1 Man)x(32Hrs)x($60/Hr)=$13,440
Total = $1,511,040

Item 4 - Provides cost for teardown and recalibration for 50 Pieces of CIWS Equipment
Test Equipment
TE8000 Cost = (2 ea) x (40 Hrs/Per TE) x ($71.04/Hr) x (2 People) = $11,366
(47 Pieces of equipment) x (16 Hrs/Piece of Equipment) x ($60/Hr) x (2 People) = $89,037
TE125 Cost = $550,000 (Moving cost quoted by Scientific Atlanta)

TE125 consists of a Scientific Atlanta Anechoic Chamber, Compact Reflector (Model 5751), Positioning System and Model 2020 Antenna Analyzer, in addition to unique interface and measurement instruments.

Item 5 - Provides FY97 cost for teardown and recalibration for 41 pieces of L Building Industrial Equipment. Calculation is as follows:

Teardown (Code 09 Estimate)	$253.4K
Teardown Turbine Pump Ejection System Test Facility	6.2K
Teardown MK 68 Test Stand	25.0K
Recalibration (50% of Teardown)	144.0K

* - See Page 2-40c

Item 6 - Provides FY98 cost for teardown and recalibration for 36 pieces of C Building Industrial Equipment. Calculation is as follows:

Teardown (Code 09 Estimate)	$233.0K
Recalibration (50% of Teardown)	111.5K

Item 7 - Provides FY98 cost for teardown and recalibration for 15 pieces of L Building Industrial Equipment (i.e., TAS Test Facility and Test Stand; SP7400, FACII, Slumberger, GENRAD 1790 and GENRAD 1796 Test Sets; MK 16 Stable Element Test Stand; and Misc. Unique Industrial Equipment). Calculation is as follows:

Teardown (Code 30 Estimate)	$900.0K
Recalibration (50% of Teardown)	450.0K

Item 8 - Provides FY99 cost for teardown of Shipboard Physical Security unique mock-up and recalibration of mock-up security sensors and related instrumentation. Calculation is as follows:

Teardown	($60 X 320 Hrs X 22 People) =	$38,400
Recalibration	($60 X 370 Hrs X 3 People) =	$66,600
		$105,000

Items 9 thru 10 - This equipment is in support of Naval Engineering Drawing Management which includes computer systems for NEDALS, JEDMICS, and Repository Management. Equipment also includes special drawing files that store 500,000 hard copy master drawings. Total replacement value of the equipment is estimated at $10,000K. Teardown and recalibration costs are estimated at $57K for JEDMICS System Equipment, $26K for NEDALS System Equipment and $17K for Repository Equipment. All costs for teardown and recalibration were provided by computer vendors.

Items 11 thru 14 -

$196M Unique (in terms of capability and/or capacity) X 14% = $27.5M

14% of the equipment valued has been used as the factor for calculating the teardown cost based on past experience of equipment installation and teardown, there are many one of a kind machines requiring significant efforts for teardown including special parts packaging, labeling of parts, recalibration, minimal instructions for reassembly - as needed, etc. Several machines weigh over 300 tons each and were made in multiple modules due to their size.

Equipment Accessories:
- Tooling Fixtures (600,000 lbs)
- Cutting Tools (55,000 lbs)

Machine Tool Accessories (132,000 lbs)
Hand Tools and Gauges (50,000 lbs)
Total Equipment Accessories value $45.23M

$45.23M Equipment Accessories value X 10% = $4.5M

$32.0M

The $196M Unique equipment value was derived by an NSWC, Louisville Industrial Specialist after touring NSY Norfolk 29 Nov 94 and was based on additional capabilities and capacities needed to perform work to be transferred under the scenario as a complete equipment list provided to NSY Norfolk was not returned indicating equipment either needed or not needed. The most significant broad areas required to be created/added at NSY Norfolk include the 100,000 sq ft Standard Missile Rocket Motor Casings Facility, the gear facility - which houses the most complete gear manufacturing capability in DoD which is capable of producing gears from 1/4" to over 10', N/C equipment, and reverse engineering equipment.

Note 2: The ADP equipment (items 15 thru 17) are required to support the movement of NSWC, Louisville's Management Information System to NSWC, Crane. The cost estimate is to teardown communication lines and connections. However, the costs and where the equipment is moving is in error as currently stated in Scenarios 012 and 013. The cost should be stated as $0K in FY97, $159K in FY98, $80K in FY99 and should be moving to NSWC, Crane instead of NSY Norfolk.

ADDED ON 12/04/94:
* "Equipment teardown/recalibration" costs have been reduced since "Tons of Mission Equipment" was reduced on 12/04/94, as a result of negotiations with NSY Norfolk. Refer to Attachment 1 page 2-48b for additional information.

d. and e. Changes in Mission Costs. Items d. and e. should be used to identify those changes in mission costs that result from the closure/realignment action, but are not counted elsewhere in this data call response or COBRA algorithms. For example, **do not include** changes in non-payroll Base Operating Support (BOS), Family Housing Operations, housing allowances, CHAMPUS costs/savings, or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms. Examples of items to include here are changes in operating costs due to the transfer of workload to gaining bases, economies of scale, changes in travel requirements, differences in wage grade labor rates or locality pay differentials, changes in the amount of mission work performed on contract, and changes in utility requirements or ADP/telecommunications costs not included in responses provided in the Base Operating Support tables of Data Call 66.

For purposes of calculating changes in costs associated with the transfer of mission workload from a losing to a gaining base, the following information is provided below. Calculations should take into consideration both economies of scale and differences in operating costs. Remember, any salary savings resulting from eliminated military billets and/or civilian positions must be identified as a number of billets/positions eliminated in Table 2-C. **Do not include** basic salary and fringe benefit savings associated with billets/positions identified as eliminated on Table 2-C. Also, **do not identify** changes in the non-payroll BOS Costs (including non-payroll G&A for DBOF activities) reported in Data Call 66.

First, identify economies of scale by examining the historic pattern of how labor, overhead and other costs vary with workload volume (adjust prior year costs for inflation to make them comparable; use statistical tests to determine the type of relationship that exists). The relationship between costs and workload can then be used to estimate changes in labor and overhead rates which result from the projected change in workload. Economies of scale benefits will generally accrue to gaining bases on an incremental basis, as the workload ramps up, and will remain in future years after all workload is transitioned.

Second, calculate resulting changes in operating costs. Changes in operating costs should be calculated by pricing out direct labor manhours of work, using the projected labor and productive overhead rates (which have been adjusted to take into consideration economies of scale resulting from the workload transfer) for both the losing and gaining base. The difference in total costs associated with the workload transition is then identified as the net change in mission costs. Relative differences in the numbers of hours required to complete a project at the losing base and gaining base(s) should be taken into consideration, if identifiable. Also, include contract costs in this analysis, but unless cost changes are identifiable, assume that contract price rates will remain constant.

If a net change in mission costs is included in the data call response, the response must also include supporting data to show calculations and methodology used to

estimate this change in costs. Furthermore, data used in these calculations must beconsistent with previously submitted certified data.

d. Net Mission Costs. Complete the following worksheet to identify any net recurring increases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost increase, identify the name of the gaining base where the workload will be transferred (if applicable), cost increases by year and describe the nature of the cost increase. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost increases.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Net Mission Costs (Cost Increases) Worksheet						
Losing Base:						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1.						
Description:						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

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e. Net Mission Savings. Complete the following worksheet to identify any net recurring decreases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost decreases, identify the name of the gaining base where the workload will be transferred (if applicable), cost decreases by year and describe the nature of the cost decrease. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost decreases.

Net Mission Savings (Cost Decreases) Worksheet						
Losing Base: NSWC, LOUISVILLE						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. N/A						
Description:						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

f. Miscellaneous Recurring Costs. Identify any other recurring costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the amount, year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission costs shown above. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC, LOUISVILLE

	Annual Cost($K)	FY	Description
1.	* 0	96	ADP Support and Communication Cost at NSY Norfolk for **automated depot overhaul process** including system administrator billet and material support cost

* - Negotiations with NSY Norfolk determined that they did not want to adopt our Management Information System. NSY Norfolk stated that they would upgrade their existing system to accommodate the data management associated with the overhaul of products being transitioned to their activity. This resulted in the cost being reduced to zero for this item and the addition of $500K for item #10 on page 3-2 of enclosure (3)-A.

g. Miscellaneous Recurring Savings. Identify any other recurring savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the amount, year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission Costs shown above. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NSWC, LOUISVILLE

	Annual Savings ($K)	FY	Description
1.	* 0	96	Minor Construction annual budget

* - The recurring savings listed was mistakenly placed in this category. Minor Construction is part of an annual operating budget and is already addressed in the COBRA Model.

h. Land Sales. Identify any proceeds, if identifiable and realistically expected to be received, which would be realized through the sale of excessed property at the losing base(s). In most cases, proceeds will not be realized from the sale of land at closed activities. However, if unusual circumstances warrant, identify estimated amount of proceeds, number of acres to be sold and rationale for assuming that proceeds will be obtained.

Losing Base: NSWC, LOUISVILLE

	Revenues	No. of Acres	Rationale
1.	N/A	N/A	

i. Procurement Cost Avoidances. Identify any procurement cost avoidances which would be realized as a result of the closure/realignment scenario. Items identified here must not include any funds, regardless of appropriation, identified as BOS costs in Data Call 66. An example of a cost to include here would be a planned "Other Procurement account" purchase of a computer system, which will no longer be required as a result of the closure/realignment action. For each cost avoidance, identify the amount, year in which the cost would have been incurred, whether the cost avoidance is one-time or recurring in nature, and the nature of the cost avoidance.

Losing Base: NSWC, LOUISVILLE

	Cost	FY	One-Time/Recurring	Explanation
1.	N/A			

j. Facility Shutdown. If an activity is being realigned but not completely closed, then identify the number of square feet of Class 2 real property (buildings), excluding family housing, MWR and utilities facilities, which will be shut down at the losing base as a result of this action. If an activity is being completely closed, then just enter "All". The Base Loading Data Attachment includes an identification of total square feet for the activity and should be referred to in answering this question. Note that this entry should be shown in "thousands of square feet" (KSF).

Losing Base: NSWC, LOUISVILLE

Facility KSF Shutdown: ALL

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through j. above in the following table. Note that all entries must be shown in ($000).

Table 2-F: Dynamic Base Information Summary

Losing Base:								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs (NSWC, Louisville)	22,223	17,323	28,537	21,099	21,593	1,135	111,910
b.	One-Time Unique Svgs	0	0	0	0	0	0	0
c.	One-Time Move Costs	0	314	2,428	4,573	5,194	1,008	13,517
d.	Net Mission Costs	0	0	0	0	0	0	0
e.	Net Mission Savings	0	0	0	0	0	0	0
f.	Misc Recur Costs	0	0	0	0	0	0	0
g.	Misc Recur Savings	0	0	0	0	0	0	0
h.	Land Sales	0	0	0	0	0	0	0
i.	Procurement Cost Avoid	0	0	0	0	0	0	0

j. Fac. Shutdown (KSF)	ALL

R

Note 1: Gaining Site costs for NSY, Norfolk and NSWC, Crane have been moved to Enclosure (3) and/or reduced/deleted.

ATTACHMENT 1

TO BRAC-95 SCENARIO DEVELOPMENT DATA CALL
2-14-0114-012 & 2-14-0117-013
Listing of NSWC, Louisville Equipment and Machinery
(52 Pages)

Pages 1 thru 22 lists Product Line Equipment
Pages 23 thru 52 lists Product Line Machinery

Following requirements faxed to NSWC, Louisville at 0512 on 12/04/94, by NSY Norfolk.

"I. The 253 items that are identified by NNSY for transfer from NOS Louisville are required to support the unique and highly specialized workload identified by the BSAT data scenario. NNSY currently does not have in its inventory the specialized equipment required to accomplish this work.

II. Some specific examples of this type of work are:

A. Gear manufacturing and repair
B. Heat treatment, machining, and inspection (x-ray) for rocket motors, MK-45 and MK 75 gun barrels, PHALANX
C. Unique plating for gun barrels
D. Support equipment unique to the identified product lines

III. The customer owned equipment which is dedicated / required to support NOSL product lines have been reviewed by NNSY. These items are special fixtures, test stands, test equipment, automated digital test benches and RF test systems which have been manufactured / assembled to support diagnostic and fault isolation in the QA / final acceptance of the overhauled ordnance product lines. NNSY does not have any of these unique test apparatus and concurs that they would be required to be transferred."

MK 75 EQUIPMENT LISTING

SA Fixtures and Test Stands

2 Ea Disassembly and Buildup Test Stands for Gun Mounts #5518400

2 Ea Full Powered Test Stands For Testing a Complete MK 75 Gun Mount and all electrical and mechanical systems #5518400

9 Ea SA2884811 trunnion and barrel supports for slide front #5518050

1 Ea SA2885117 Install Breech Assembly in Slide Housing

1 Ea SA2884989 Breech Assembly Build up #5518014

1 Ea SA2886819 Alignment fixture base clamp & nose clamp

3 Ea Right and Left Rock Arm Dis-assembly and build up stands

1 Ea SA2886202 to test syncro bows train #5519601 and elevation #5519978 after buildup

1 Ea SA2824452 Oscilograph Scale

1 Ea SA270-4071 buildup and test hoist reduction gear assembly #5518142

1 Ea SA270-3558 buildup and test train power drive assembly #5517942

1 Ea SA270-3559 buildup and test elevation power drive assembly #5517977

1 Ea SA2863925 buildup and test rear slide assembly #5518080

1 EA SA2864151 Test Misfire Case Extractor #5521283

1 Ea SA2886741 Removal and Installing Hoist Reduction Gear Assembly #5518142

1 Ea SA2886672 Test Train Bearing #5518566

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA270-2003	5518000,5523000
SA270-2013	5518014,5518015,5518050 5521300
SA270-2129	5517880
SA270-2130	5517850
SA270-2130-4	5517850
SA270-2130-5	5517850
SA270-2181-0	5517610,5517613,5520800
SA270-2181-1	5517620,5517623,5517626 5517627,5517628,5517629, 5517630,5517633,5517634, 5517635,5517637,5517638, 5517639,5517640,5517641, 5517640,5517643,5517644, 5517646,5517648,5517649, 5517656,5517657,5517658, 5517725,5517726,5517728, 5517747,5519611,5519980, 5519990,5520747,5521228, 5523010
SA270-2181-2	5517650,5517651,5517653
SA270-2181-3	5517660
SA270-2181-4	5517670
SA270-2181-5	5517680
SA270-2181-6	5517690
SA270-2181-7	5517770
SA270-2181-8	5517710,5517714,5517715 5517716,5517717,5517718

MK 75 EQUIPMENT LIST

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA270-2181-9	5517720
SA270-2181-10	5517730
SA270-2181-11	5517620,5517623,5517626 5517627,5517630,5517633 5517635,5517637,5517638, 5517641,5517643,5517644, 5517645,5517646,5517648, 5517649,5517650,5517653, 5517699,5517713,5517714, 5517715,5517716,5517717, 5517718,5517725,5517726, 5517728,5519990,5520747, 5520800,5521228
SA270-2580	5518080,5521300
SA270-2628	5518000,5518400,5523000 5523400
SA270-3459	5518014,5518015,5518050, 5521300,5523400
SA270-3461	5519601,5519978,5523011 5523041
*SA270-3489	5518180,5990207,5990218
SA270-3496	5517871,5517876,5517889 5517890,5517893
SA270-3497	5517874
SA270-3500	TS5517991

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA270-3501	5518050,5518092,5518094, 5518097,5518413,5518443, 5518444,5518821,5518822, 5518871,5518893,5518917, 5519102,5519226,5519465, 5519466,5520173,5520210, 5520211,5520318,5520338, 5520863,5521300
SA270-3558	5517942
SA270-3559	5517977
SA270-3559-8	5517942,5517977
SA270-3622	5518180,5990207
SA270-3707 item 31	5518000,5521266,5523000
SA270-3707 item 20	5518000,5521266,5523000
SA270-3789	5518014
SA270-3790	5518014
SA270-3792	5521446,5521447
SA270-3800	5518080,5521300
SA270-3802	5518080,5521300
SA270-3803	5518080,5521300
SA270-3808	5518060
SA270-3844	5518400,5523400
SA270-3913	5517738

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA270-4464	5521446,5521447
SA270-5699	5518014,5518015,5518050 5521300
SA271-5699	5518400,5523400
SA2358086-5	5529496
SA2828722	5517620,5517626,5520628 5517630,5517635,5517637, 5517639,5517640,5517644, 5517646,5517726,5517728, 5519980,5519990,5520747, 5521228,5523010,
SA2863731	55185195-5
SA2864048	5517777
SA2864050	5519537
SA2864140	5517850
SA286414	55518300,5521487,5830275
SA2864156	[redacted]5524868,5831178
SA2864284	5517986
SA2864287	5517997
SA2864288	5517871,5517876,5517890, 5517893,5517889
SA2864289	5519537
SA2864290	5517986,55294961

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA270-3952	5518035,5518050,5518092 5518094,5518097,5518413, 5518443,5518444,5518821, 5518822,5518871,5518893, 5518917,5519192,5519226, 5519465,5519466,5520173, 5520210,5520211,5520338, 5520863,5521300
SA270-4051	5518060
SA270-4055	5518014
SA270-4070	5517883
SA270-4071	5518142,5518149
SA270-4073	5523053
SA270-4075; -2	5517750
SA270-4076	55177501-11
SA270-4078	5518189
SA270-4079	5518152
SA270-4084	5517876
SA270-4087	55180911-13
SA270-4088	5529496,5517997
SA270-4106	5529496
SA270-4108	5518060
SA270-4196	5518300,5518400,5523400 55830275

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA2864291	55178933-8
SA2864293	5517889,5517871
SA2864295	5519442,5529537
SA2882701	5517867,5521448
SA2882704	5518142,5518150,5518794
SA2882708	5517600,5517603 5520755,5523005
SA2882824	5518142
SA2882910	5518142
SA2882927	5517867,5520849
SA2882929	5518519
SA2882930	5517871,5517876,5517890 5517893,5517889
SA2883325	5517660,5517670,5517680 5517690,5517770
SA2883326	5517710,5517720
SA2883351	5517750
SA2883358	5517942
SA2883360	5517942,5517977
SA2883368	5518189
SA2883830	5518300,5521487,5830275

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA2883838	5518300;5520730,5521487
SA2884538	5517860
SA2884539	5518764
SA2884618	5517860
SA2884811	5518014
SA2884827	5521266,5518653
SA2884828	5518566
SA2884829	5518142
SA2884849	5517660,5517670,5517680 5517690,5517700,5517710, 5518142,5517760
SA2884867	5517995
*SA2884954 *SA2884962	5517860 (Gallileo)
SA2885185	5518107
SA2885255	5520730
SA2885774	5520730
SA2885783	5518315,5518181 5520749,5520752 5519979,5523013,6-5 5518010
SA2886202	5519601,5519978,5523011 5523041

LIST OF SPECIAL TOOLS

TEST FIXTURE	USED ON
SA2886546	5519601,5519978,5523011 5523041
SA2886547	5519601,5519978,5523011
*SA2888389	5517860 (Gallileo)
SA4376-05-275	5517750
SA4376-09-011	5518000, 55230001
TD-15921	5517942,5517977
T24292	5519601,5519978,5523011 5523041
T24528	5519601,5519978,5523041 5523011

ACCURACY TEST PIT 3-12
w SA 1276-97-448-CERT

EQUIPMENT LISTING
MK 45, MK 75

Electrial tools, test equipment, fixtures and harness boards

SA613227 Terminal nut driver
SA2787880 Special Open wrench
SA2787881 Special Open wrench
SA2787882 Specail Open wrench
SA2788613 Switch Wrench
SA2883490 Socket, stuffing tube
STE 0416 Shield door switch adjusting tool gap
SA2885075-1A Prox SW installation tool
SA2885075-2B Prox SW installation tool
SA2885256 Gauss Gage
SA2824904 Magnet Charger Gage
SA2883352 Prox SW Test Set
SA2884523 Switch Actuator Test Set
QCE 4500 Solenoid Valve Control Panel
STE 4515 Cradle & Rammer Prox SW Tester
STE 4545 Prox Switch Tester
STE 4552 Cradle & Rammer Prox Switch Positioner
STE 4603 Gunport shield Continuity Test Panel
STE 4620 "EBX" Box Air Adaptors
SA627539-1 Test Cable
SA627539-2 Test Cable
SA627539-3 Test Cable
SA627539-4 Test Cable
SA627539-5 Test Cable
SA288331 Cable Test Fixture
SA2882700 Cable Test Fixture
SA2884959 Prox Switch Adj Tool
SA2882701 2HP1 Electrovalve Tester
SA2864259 2HP2 Electrovalve Tester
8415-28 Probe, temp, surface
8415-25 Probe, temp, air
8415-23 Probe, temp, surface
8415-22 Probe, tubulor
OV-301-50A Transducer celecso
TFC-115-200 Freq changer
SA2883185 Synchro fixture
QCE 4522 Counter recoil test panel
SA2703495 Firing recoil gage
SA2703501 Prox SW text fixture
SA2884867 Solenoid Tester
SA2702628 Remote Order Test Panel
SA2828722 Ref Director, 36X
SA2703461 Gage Fixture Synchro Box
SA2886546 Camstack tool
SA2886547 Weight for test firing
Honeywell Visacorder Model 1508C SC 41555
T-T4159 Cable Tester
93-31219 Cable Tester

EQUPMENT LISTING
MK 45, MK 75

Electrical tools, test equipment, fixtures and harness boards

2626238 Cable Tester
SK510202 Oscillogram reading scale
5164773 Cable Test
5164775 Cable Test
5164774 Cable Test
SA2886860 Synchro Relay Harness Board MK281 EP2
SA2886861 Power Distributor
SA2887014 Shelf Harness Board EP2
SA2887016 "
SA2887110 Gun Port Shield
SA2886852 Test Fixture
5585977 EBX1 Harness Board
5585978 EBX2 "
5585979 EBX3 "
8885980 EBX9 "
2862696 EBX1-8 "
SA2886859 Logie Harness Board EP2
2526982 Regulator Harness Board
2526983 "
2526982/2526983 Regulator Continuity Test Fixture
SA2825253 Regulator Continuity Test Fixture

EQUIPMENT LISTS

MK 45

Train Receiver Regulator Dwg. No. 2527116
SA fixture used: SA628197 & SA2882935

Elevation Receiver Regulator Dwg. No. 2527115
SA fixture used: SA628378

Fuze Setter Dwg. No. 5771781
SA Fixture used: SA2814015 & SA628199

Train Transmission Dwg. No. 2527143
SA Fixture used: SA2824555, SA2824556, SA2825212, SA2882679, SA2883553, SA2823012

Elevation Transmission Dwg. No. 2527142
SA Fixtures used: SA2825212, SA2822455, SA282455, SA2882679, SA2823012, SA2883553

Pump Assembly Dwg. No. 2527221
SA fixtures used: SA2884224-5, SA2884232-6, SA2882717, SA2884232-5

Pump Assembly Dwg. No. 2862408
SA fixtures used: SA2863441 and SA2883809

Pump Assembly Dwg. No. 2527215
SA fixtures used: SA2882717, SA2863441, SA2883809

Auxiliary Pump assembly Dwg No. 2527144
SA fixture used: SA2824923

Gear Reduction Assembly Dwg. No. 2527122
SA fixture used: SR31447, SR32175, SR31643-10A, SA2883370

TEST

MK 45 Loader SA 2886852
Pump 044203
Pump 045077
Pump 197M003901
Pump 046237
Pump 044610
Pump 045075
Pump 044634
Pump 045076
Table SA2883970-1
SA2527126 Counter Recoil Cyclinder Righ Hand
SA2527158 Counter Recoil Cylinder Left Hand
QAP3783 7-4 SA628191
SA2885202
SA2884223

SA2884224-2 and SA2884224-1 For right hand
SA2884228
SA2884233
4 each #263XUS2X00GFA Holding Fixture for Cradle Assembly
3 ea Holding fixture for carriage stand
2 ea Holding fixture for gun barrel housing
2 ea Lifting fixture for Loader
4 ea Holding fixture for doors to loader
3 ea Stand to hold base of loader
1 ea Fixture to Hold Lower Hoist
2 ea Mounting Lifting fixture
1 ea Carriage leveling stand
2 ea pump for filling draining MK 45 GWS
2 ea Holding fixture for gun port shield
1 ea Nitrogen Charging fixture
1 ea Test Stand for MK 45 GWS
1 ea Header Tank Test Fixture
1 Ea Lubricating Pump for Hydraulic Filling
1 ea Nitrogen Booster Pump
2 Ea Holding Fixture for Slide Assembly build up.

MK 45 EQUIPMENT LISTING

Assembly Number	Nomenclature	Mount Quanity	Mod 1 Fig.#	Mod 0 Fig.#	
1549397	Filter	1	4-1242	4-1269	
2527126	Counter Recoil Cyl. R/H	1	31	28	
2527129	Shifter Cylinder Assembly	1	40	37	
2527130	Charging Valve (5000 lbs.)	1	45	42	SA2358081-1
2527131	Interlock Assembly	2	39	36	SA2358080-2, SA2358081-
2527134	Breech Block Control	1	33	30	SA2883900/3783-7-11
2527150	Interlock Valve	1	28	25	SA2358080
2527153	Drive Control Valve	1	26	23	SA2358069, SA2358068 SA2358080, SA2358081
2527155	Latch Release	1	24	21	SA2358080, SA2358081
2527158	Counter Recoil Cyl. L/H	1	31	28	
2527184	Accumulator Assembly	1	70	67	SA358080-4
2527185	Charging Valve (3000 lbs.)	1	71	68	SA2358067, SA2358068 SA2358080, SA2358081
2527187	Hoist Control Valve Assy.	1	134	131	SA628201, QAP3783 10-4
2527189	Cradle Positioned Interlock	1	132	129	SA2358081
2527191	Index Drive Assembly	1	151	148	SA2883356
2527194	Unload Doors Interlock Valve	1	148	145	SA2358080, SA2358081
2527197	Loading Station Piston Assy.	1	140	137	SA2358081-2
2527199	Positioning Piston Assy.	1	141	138	SA2358081-2
2527200	Positioning Mech. Latch Assy.	1	144	141	SA2358081-2

MK 45 EQUIPMENT LISTINGS

Assembly Number	Nomenclature	Mount Quanity	Mod 1 Fig.#	Mod 0 Fig.#	
2527201	Position & Ejection Control Valve	1	150	147	SA2883355, QCB4506, QCB4502
2527207	Ejector Piston Assembly	1	156	153	SA2863457-12, SA2884529-20
2527208	Ejector Latch Assembly	1	157	154	SA2358080-2
2527209	Cradle Operating Cylinder	1	100	97	SA2884225, SA2884234
2527210	Cradle Cylinder Valve Block	1	101	98	SA2358068, SA2358067, QCB45
2527211	Cradle Velocity Control	1	97	94	SA2884224-12 SA2884224-1, SA2884235, SA2358080-2
2527213	Rammer Control Valve	1	43	40	SA2883355, SA2858080-5
2527219	Charging Valve (3000 lbs.)	1	166	163	SA2358068-1
2527229	Charging Valve	1	171		SA2358068-1
2527239	Door Operating Piston	1	13	11	SA2358080-2
2527243	Upper Cradle Response	1	93	90	SA2883160
2527244	Lower Cradle Response	1	95	92	SA2883364
2527245	Cradle to Hoist Latch Assembly	1	110	107	SA2358080, SA2358081
2527247	Cradle to Slide Latch Assembly	1	42	39	SA2358080-2
2527248	Cradle Down Interlock	1	41	38	SA2358080-2, SA2358081-2
2527267	Buffer Assembly	4	16	13	SA2358086-2807A
2527270	Fuze Setter Interlock	1	145	142	SA2358081
2527273	Cradle Control Interlock Assembly	1	135	132	SA2358081-2
2527277	Cradle Buffer Assembly	1	127	124	SA2864281

MK 45 EQUIPMENT LISTING

Assembly Number	Nomenclature	Mount Quanity	Mod 1 Fig.#	Mod 0 Fig.#	
2527293	Piston Pawl	1	104	101	SA2358068-2
2527304	Train Limit Stop	1	107	103	SA2358081-2, QCE4502
2527318	Pressure Switch Blocks	2	18	15	SA2862925
2527331	Accumulator Exercise & Emer.	1	163	160	SA2358080-3
2527618	Pressure Filter	2	158-40 167-58	155-38 164-53	SA628216
2527619	Pressure Filter	2	18	15	SA628216
2545232	Diverter Door Oper. Piston Assembly	1	92	89	SA2358081-2, QCE4506
2545263	Hoist Drive Latch Assembly	1	136	133	SA2358080-2
2860021	Control Valve Assembly	1	205	198	SA2883186, SA2883366 SA2883016
2860022	Latch Valve Assembly	1	206	199	SA2358080, SA2358081
2860026	Operating Piston	1	N/A	203	SA2358080-2
2860027	Latch Door Assembly	1	211	204	SA2358080-2
2860034	Latch Door Assembly	1	N/A	205	SA2358080-2
2862110	Fuze Setter Actuator	1	117	114	SA2358080, SA2358081
2862400	Aux. Relief Valve Block	1	68	65	SA2358080-2 SA2358081-2, SA2358081-3
2862403	Cradle Dir. Cylinder Control Valve	1	108	105	SA2883366, QEC4500, 4502, SA2865455
2862404-1	Accumulator Control Assembly	1	161	158	SA2358080-2, SA2358080-7
2862404-2	Accumulator Control Assembly	1	161	158	SA2358080-2, SA2358080-1 SA2885455-6

MK 45 EQUIPMENT LISTING

Assembly Number	Nomenclature	Mount Quanity	Mod 1 Fig.#	Mod 0 Fig.#	
2862422	Solonoid Valve Assembly	1	44	41	SA2358080-2, SA2358080-1
2862423	Solonoid Valve Assembly	1	44	41	QCE4500 SA2358080-2, SA2358081-2
2862427	Solonoid Valve Assembly	1	152	149	QCE4500, QCE4502 SA2358080-2, SA2358081-1
2862428	Solonoid Valve Assembly	1	153	150	QCE4500, QCE4502 SA2358080-2, SA2358081-1
2862429	Loading Station Latch Assembly	1	143	140	SA2358080, SA2358081
2862463	Check Valve Assembly	1	172	164	
6138850	Hoist Drive Assembly	1	N/A	136	SA2358080-2

EQUIPMENT LISTS

CABLE ASSEMBLY/TEST 19

1 @ ESP 7400 Test Station - Consists of 1 Bay Digital Computer Control Section
2 Bays Interface Sections

Approximately 250 Interface Connecting Cables

2 @ Work Stations For SP-23 Cables

4 @ Equipment Cabinets (6' X 3' X 2') of Special Crimping Tools, Assembly Tools, Test Guages

4 @ Pallets of various harness boards

Approximately 30 @ pallets of SP-23 owned material

TPES - 3
FOR MK 17

1 @ 5' x 6' granite table
2 @ safes approx 60"x24"x48"
9 @ Vidmar cabinets of sub-safe material
2 @ Assembly/Dis-assembly/Alignment fixtures (floor mounted)
1 @ Metal sub-assembly, floor anchored table
1 @ Tooling fixture, part number 3181084
1 @ Drill press SN184031 - 25 Ton
1 @ 200 Ton press - NID046234 - used for assembly/dis-assembly/test
1 @ 2 ton portable crane - NID 006307
1 @ Assembly fixture part number 3181084

MK 19

1 @ Assembly Stand part number 6912162
1 @ Hydrostatic Test Room - capable of H.P. of 1200 lbs. (apprx. 6'x9'x15')

COMBINED FACS

7 @ 3'x5'x4' Chemical conversion tanks
1 @ Oven S/N 91288-460v, 50/60 Hz, 3.phase, 24 amps
1 @ Test/Insp Fac #916017 - 115v, 60 Hz, 1 phase, 10 amps
1 @ Circular Overhead Crane - 1 1/2 ton NID 006301
1 @ 5 Ton Crane NID 042245
1 @ Impound cage - 10'x20'x3'

SVTT

1 @ Test Firing Range apprx. 2'x2'x80'
1 @ Control Panel
Dummy torpedo for test firing
Hydrostatic test station for air flask - utilizes H.P. 5000 lbs.
Breech Mechanism test fixture - utilizes 1200 lbs. H. P. Air
Tube Drilling Fixture
Loading fixture test station

MK 92 CAS/STIR

1 @ Test Stand - 10'x10'x6'
2 @ Control Panels
2 @ Barbettes For dis-assembly/build-up
20 @ Material Handling Fixtures
1 @ 400 Hz Generator

ABL

2 @ Test Stands 24'x6'
1 @ 5-ton crane
1 @ 25-ton crane
1 @ 440V control panel
1 @ 110V control panel
5 @ Equipment cabinets of test SA's (6'x3'x2')
1 @ Hydrostatic Test Bench - 4'x6' - utilizes 5000 lbs./H.P.
4 @ Test Missiles - 2'x24'
1 @ Lifting fixtures - 6'x2'

DECOY L.T.

4 @ Build-up Stands - 2'x3'
  Various Harness Boards
1 @ Test panel 1 1/2'x2'
1 @ Textronic 564B Storage Scope
1 @ Control Panel Test Stand

NATO SEA SPARROW

3 @ Barbettes used for dis-assembly/assembly/test
2 @ 8'x2' holding stands for cells
1 @ Control panel 6'x3' assembly # 53711-L6780085
2 @ Tray racks 2'x4'x8'
  Rail fixture
1 @ Cooler test SA

TAS

Low Power FAC
1 @ 90 ft. self supporting tower
1 @ 10 ft. parabolic dish
1 @ Feed horn
1 @ Scientific Atlanta - 3 pole positioner

TAS CONT

1 @ Scientific Atlanta - 1 pole positioner
1 @ SA Signal Source
1 @ 30 watt TWT power Amp.
1 @ 1711 micro wave receiver/Lo
1 @ Signal source controller
1 @ Bolometer/Crystal Amp.
1 @ 1511 Chart Recorder
1 @ Freq. Generator Controller
1 @ 3 pole controller
1 @ 1 pole controller
1 @ Pau/Rcu position Amp. controller
1 @ Material Handling device - boom/pivot assy.
1 @ FAC PC

TAS
HIGH POWER FAC

88 ft. of full height wave guide
1 @ 1/2 to full height transition
1 @ stand alone tester for signal processor
1 @ " " " " signal data converter/Antenna pedistal
1 @ " " " " transmitter
1 @ " " " " waveguide

Cooler Test Stand
1 @ 28V Power Supply
1 @ Control Panel SA 2886234
2 @ Flow Rate Meter Panels

MATERIAL HANDLING DEVICES

3 @ Antenna Tables
1 @ Transmitter Lifting fixture
1 @ Antenna/Pedistal Lifting fixture
1 @ MK 23 Dolley
3 @ Aluminum Pedestal Dolleys

TEST STANDS

1 @ Antenna Pedestal Group
1 @ Aluminum build-up plate
1 @ 2'x4' Surface Plate
1 @ 12'x12' " "
1 @ 10'x10' Alignment plate
1 @ Dummy antenna for load test
1 @ 400 Hz. generator / 100 amps.
1 @ FAC PC

TEST EQUIPMENT

8 @ Equipment cabinets of various connectors/adaptors/test leads etc.
Signal Processor test panel: Digital Equipment
T-2888
T-2886
T-2887
T-2620
A 09072 Main Frame
Key Board
2 @ HP Color Probe Plotters
1 @ HP 3612A DC Power Supply
1 @ HP 3610A DC Power Supply
1 @ Kenwood DC Power Supply PD56-10
1 @ Ballentine 2XRMS - 323
1 @ Huntron 2000 Tracker
2 @ Textronic 2445B
1 @ Power Supply 0-55Volts/0-5 Amp
3 @ 214B Pulse Generator HP
1 @ HP 1650B Log Amp.
1 @ HP 8350B Sweep Osc.
1 @ HP 83522A RF Plug in
1 @ HP 5361B Pulse CW-MW Counter
2 @ HP 435B Power Meters
1 @ HP 7090A Measuring Plotter System
4 @ HP 3478A Multimeters
1 @ Simpson 410 Insulation Tester
1 @ Textronic 6237B Power Supply
2 @ HP 5334B Universal Counter
1 @ HP 8753C Network Anay.
1 @ HP 85046A S Parameter Test Set
1 @ HP 9000/300 Computer Set

TEST EQUIPMENT TO SUPPORT CIWS DEPOT OVERHAUL WORKLOAD

Code 50 Equipment Listing

TE125	Indoor Compact Antenna Range
TE200	Insertion Loss & VSWR Station
TE8028	Modulator Test Set
A219	High Voltage Power Supply Test Set
TE8029	Transmitter Test Set
TE222	Alignment & Balancing Station
TE223	Dynamic Spin Balance Station
TE209	Elevation Test Station
TE210	Shock Isolator & Buffer Test Set
TE404	Coolant Pump Assembly Test Set
TE451	Blower Heat Exchanger Test Set
TE452	Coolant System Test Set
TE204	Ammo Handling System Test Set
TE600	Train Drive Test Station
TE601	Instrument Gear Box Test Set
TE602	Linear Actuator
TE608	Recoil Adapter Test Station
TE8000 (2)	System Test Range
TE8001	System Integration Test Set
TE8002	Train Platform Run-In Test Set
TE207	Upper Mount Test Equipment
TE119	Installed Wiring Test Set
TE201	Power Supply Test Set
TE205	Motor Test Set
TE221	Alignment and Balancing Statiion
TE213	VSWR/Isolation Phase Test Set
TE206	Hydraulic Pump & Motor Test Set
TE402	Hydraulic Power Supply Test Set
TE406	Hydraulic Component Test Set
TE8005 (2)	RF/IF Test Set
TE110	FM Noise/Network Analyzer Test Set
TE8008 (2)	RF Adjustment Test Set
TE306	Automated RF adjustment Test Set
TE304 (5)	Analog Test Set
TE305	Analog Test Set
TE131	Digital Test Set
DTS-70 (2)	Digital Test Set
TE8009	Analog Test Set
TE9001	Analog Test Set

High Voltage High Vacuum Oil Purification (2)
CCA Manufacturing Equipment

EQUIPMENT LIST FOR COST CENTER 90F

"A" Building

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
✓IMPACT TEST 6000 LBS CAP	*1151	A30 E05	90F
✓IMPACT TEST 2000 TO 200000 LBS	*41852	A30 E5-6	90F
✓TENSILE TEST 264 FT/LBS CAP	*42251	A30 E5-6	90F
✓ENVIRONMENTAL CHAMBER	*42612	A30 E4-5	90F
BELT SURFACE GRINDER/POLISHER	~~42902~~	A-4-UP	90F
CALIBRATOR	~~42917~~	A4 LNT O	90F
IMPACT TEST 30000 LBS CAP	~~42926~~	A30 E05	90F
WELDER, 100AMP, RE-MELT FURNACE(TIG)	~~42936~~	A-4-UP	90F
ENVIRONMENTAL TEST 4 CUFT 1000 DEG	~~42992~~	A30 D2-3	90F
ENVIRONMENTAL TEST 5 CUFT 350 DEG	~~42993~~	A30 E4	90F
ENVIRONMENTAL TEST 90PERCENT 200DE	~~42998~~	A30 E04	90F
POLISHER ROTARY LAB	~~43110~~	A-4-DOWN	90F
GRINDER (ROCKWELL/DELTA)	~~43322~~	A-4-UP	90F
SAW CUTOFF 12" X 12" TBL 5 IN WHL	~~43370~~	A30 E5	90F
INFRARED SPECTROPHOTOMETER	~~43472~~	A-4-DOWN	90F
✓ENVIRONMENTAL TEST WEATHER-OMETER	*43835	A30 E04	90F
PRESS 10000 LBS PRESSURE	~~43960~~	A-4-UP	90F
✓STRENGTH TEST 20000 LBS CAP	*44105	A30 E5-6	90F
SALT FOG TEST CABINET	~~44606~~	A30 E4	90F
AUTOMATIC BOTTLE SAMPLER, (HIAC)	~~44953~~	A-4-DOWN	90F
ABRASIVE CUTTER SAW	~~45179~~	A-4-UP	90F
EMISSION SPECTOMETER	~~45906~~	A-4-DOWN	90F
SCANNING ELECTRON MICROSCOPE	~~46111/112~~	A-4-DOWN	90F
✓SUSTAINED LOAD IMPACT TEST 20K # CAP	*XXXXX	Z-BLDG	90F

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90F IS EQUAL TO 24

7

253 WITH ✓ REQUIRED BY NSY NORFOLK

944 EXCESS

1197 TOTAL

EQUIPMENT LIST FOR COST CENTER 20

"A" Building

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
DRILL 22" X 58" TBL 7/8" CAP 2 SPD	~~106179~~	A20 D17-18	20
DRILL 25" X 44" TBL 3/4" CAP 2 SPD	~~12605~~	A20 C10	20
HONE HORZ 2-5/8 IN DIA	~~13742~~	A10 C18	20
SURFACE PLATE 144 IN X 144 IN TBL	*15279	A20 D6-7	20
SURFACE PLATE 84 IN X 168 IN TBL	*15390	A10 C3	20
DRILL 18"X28" TBL 3/4" CAP 6 SPINDLE	~~15855~~	BLDG 93	20
SURFACE PLATE 48 IN X 144 IN TBL	*2462	A20 D02	20
MILL HORIZ 10 IN X 50 IN TBL	~~257~~	A10 C17	20
3/50 KICK	~~3/50 KICK~~	A	20
3/50 TEST 1	~~3/50 TEST 1~~	A	20
3/50 TEST 2	~~3/50 TEST 2~~	A	20
DRILL RADIAL 3 FT ARM 9 IN COLUMN	~~30?104~~	A30 D10	20
LATHE ENGINE	~~333~~	A10 C17	20
GRINDER OSC SURF 8 IN X 24 IN TBL	*4010	A10 B06	20
WELDING POSITIONER 48 IN DIA CAP	*40252	A30 D09	20
DRILL 21" X 34" TBL 7/8" CAP	~~16331~~	A10 B04	20
BLOUNT WET GRINDER	*4205	A20 C15	20
ENV TEST -100 TO 250 DEG F 786 CFT	*42849	A30 D02	20
SONIC CLEANER, BRANSON	*43882	A20 C15	20
POWER SUPPLY	*44203	A30 D07	20
HYD PUMP	*44610	A30 D6	20
HYD. PUMP (REXROTH), XHP, XPSI, XGPM	*44634	A30 E03,BLDG 81	20
DEGREASER, VAPOR	~~15354~~	A10 B8-9	20
BREECH HOUSING TEST UNIT	*45075	A30 D4-5	20
METAL DISINTERGRATOR	*15446	A2 LNT 0	20
STAK STORAGE SYSTEM 160 GPM	~~16226~~	BLDG 93	20
HYD. TEST BENCH,100HP, XPSI, XGPM	*46237	A30 D06	20
5/38 KICK	~~5/38 KICK~~	A10 B17-18	20
PRESS 75 TON 7-1/2" STROKE	*605922	A10 B7	20
MK42 TEST 1	~~MK42 TEST 1~~	A20 W10	20
MK42 TEST 2	~~MK42 TEST 2~~	A20 W9	20
MK42 TEST 3	~~MK42 TEST 3~~	A20 W8	20
MK42 TEST 4	~~MK42 TEST 4~~	A	20
MK45 TEST 1	*MK45 TEST 1	A20 W11	20
MK45 TEST 2	*MK45 TEST 2	A30 Y22	20
MK45 TEST 3	*MK45 TEST 3	A30 Y21	20
MK75 BUILD-UP TEST STAND #1	*MK75 TEST 1	A30 D23	20
MK75 BUILD-UP TEST STAND #2	*MK75 TEST 2	A30 D22	20
MK75 TEARDOWN TEST STAND #3	*MK75 TEST 3	A30 D20	20
MK75 TEARDOWN TEST STAND #4	*MK75 TEST 4	A30 D19	20

THE TOTAL NUMBER OF MACHINES IN COST CENTER 20 IS EQUAL TO 40

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EQUIPMENT LIST FOR COST CENTER 90L

"B" BUILDING

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
GRINDER (BLOUNT)	~~000016X~~	B20 C06	90L
TABLE UNIV TILT 48 IN X 48 IN	*1020	B10 B16	90L
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105078	B20 D04	90L
DRILL RADIAL 6 FT ARM 17 IN COLUMN	*110202	B20 D07	90L
DRILL RADIAL 8 FT ARM 19 IN COLUMN	*12607	B20 D05	90L
GRINDER ROT SURF 16 IN DIA TBL	~~129695~~	B10 B21	90L
LATHE ENGINE 10 IN SW X 18 IN CC	~~142890~~	B10 B20	90L
MILL HORIZ 16 IN X 72 IN TBL	~~149~~	B10 B18	90L
HONE HORZ 6 IN DIA X 32 FT STROKE	*15007	B20 C20	90L
SURFACE PLATE 192 IN X 192 IN TBL	*15168	B10 C21	90L
LAPPING CYLIND 3/50 CAL 37 IN DIA	*15239	B30 E17	90L
SURFACE PLATE 120 IN X 216 IN TBL	*15424	B10 C21	90L
MILL HORIZ BORING 5.0 IN SPDL	*15708	B30 E04	90L
JIG BORE 2 IN DR 22 IN X 26 IN TBL	*15846	B10 B19	90L
DRILL RADIAL 12 FT ARM 26 IN COLUM	*15850	B20 D05	90L
GRINDER ROT SURF 72 IN DIA TBL	*17735	B10 B04	90L
GRINDER ROT SURF 72 IN DIA TBL	*17736	B10 B05	90L
GRINDER VERT 120" TBL 14" WHL	*17741	B10 B07	90L
GRINDER ROT SURF 72 IN DIA TBL	*17748	B10 B09	90L
GRINDER CYLIND 10 IN SW X 24 IN CC	~~17761~~	B10 B17	90L
GRINDER INT 40 IN SW X 48 IN DP	*17765	B20 C13	90L
GRINDER ROT SURF 36 IN DIA TBL	~~17774~~	B10 B08	90L
GRINDER JIG 16 IN X 10 IN TBL	~~17779~~	B U20	90L
GRINDER ROT SURF 120 IN DIA TBL	*17960	B10 B02	90L
MILL VERT BORING 45" SW X 42" TBL	*1923	B10 C04	90L
MILL VERT BORING 45" SW X 42" TBL	~~2216~~	B10 C03	90L
MILL VERT BORING 45" SW X 42" TBL	~~2147~~	B10 C02	90L
MILL HORIZ BORING 3.5 IN SPDL	*2804	B20 C16	90L
MILL VERT BORING 240 IN DIA TBL	*2809	B30 E18	90L
MILL HORIZ BORING 8.0 IN SPDL	*2812	B20 C17	90L
MILL VERT BORING 100" SW X 90" TBL	*2824	B10 C09	90L
MILL VERT BORING 66" SW X 62" TBL	*2826	B10 C10	90L
MILL VERT BORING 240 IN DIA TBL	~~2830~~	B30 E14	90L
JIG BORE 1 IN DR 16 IN X 20 IN TBL	*2833	B10 B19	90L
MILL HORIZ BORING 4.0 IN SPDL	*2835	B30 D05	90L
MILL VERT BORING 100" SW X 96" TBL	*2836	B10 C05	90L
MILL HORIZ BORING 5.0 IN SPDL	*2837	B30 D02	90L
MILL HORIZ BORING 4.0 IN SPDL	*2838	B30 D05	90L
MILL HORIZ BORING 3.0 IN SPDL	~~2844~~	B30 E11	90L
MILL HORIZ BORING 8.0 IN SPDL	*317211	B10 C15	90L
MILL HORIZ BORING 8.0 IN SPDL	*317212	B10 C18	90L
COMPARATOR OPTICAL	~~3[illegible]~~	B C21	90L
LATHE ENGINE 32 IN SW X 156 IN CC	*3872	B30 E21	90L
ROTARY TABLE	*40011	B20 C17	90L
MILL HORIZ BORING 3.0 IN SPDL	~~40055~~	B30 E8S	90L
MILL HORIZ BORING 3.0 IN SPDL	~~40056~~	B30 E8S	90L
GRINDER ROT SURF 72 IN DIA TBL	*40059	B10 B09	90L
MILL HORIZ BORING 4.0 IN SPDL	*40122	B30 D08	90L

EQUIPMENT LIST FOR COST CENTER 90L

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
GRINDER CYLIND 24 IN SW X 120 IN C	*40138	B20 C10	90L
MILL HORIZ 12 IN X 56 IN TBL	*40145	B10 B18	90L
DRILL RADIAL 5 FT ARM 15 IN COLUMN	~~40214~~	B20 D10	90L
DRILL RADIAL 4 FT ARM 13 IN COLUMN	~~40223~~	B20 D11	90L
DRILL RADIAL 4 FT ARM 13 IN COLUMN	~~40225~~	B20 D08	90L
MILL HORIZ BORING 3.0 IN SPDL	*40228	B30 E09	90L
MILL HORIZ BORING 3.0 IN SPDL	*40229	B30 B10	90L
MILL HORIZ BORING 5.0 IN SPDL	*40247	B30 D09	90L
MILL HORIZ BORING 4.0 IN SPDL	*40248	B30 D08	90L
MILL HORIZ BORING 3.0 IN SPDL	~~40257~~	B30 E10	90L
LATHE, TURRET, VERT, 64 IN SW	*40260	B10 B11	90L
MILL VERT BORING 28" SW X 96" TBL	~~40267~~	B10 B15	90L
DRILL 21" X 34" TBL 7/8" CAP	~~40350~~	B10 B20	90L
PLANER OPENSIDE 48" X 120" TBL	*40355	B20 C04	90L
LATHE ENGINE 18 IN SW X 54 IN CC	~~40365~~	B U20	90L
RADIAL DRILL 5FT.-15IN. (FOSDICK)	~~40381~~	B20 D12	90L
PLANER MILL 80" X 216" TBL 30" HG	*40484	B30 E19	90L
GRINDER OSC SURF 14 IN X 48 IN TBL	~~40487~~	B U21	90L
PLANER MILL OPENSIDE 42" X 146" TB	~~40510~~	B20 C05	90L
MILL VERT BORING 168 INCH DIA TBL	*40519	B10 C07	90L
GRINDER (HISEY)	~~40555~~	B20 D03	90L
MAGNAFLUX PARTICLE INSPECTION UNIT	~~40585~~	B10 B08	90L
DRILL RADIAL 10 FT ARM 26 IN COLUM	*40612	B20 D06	90L
JIG BORE 2 IN DR 40 IN X 62 IN TBL	*40643	B30 E06	90L
PLANER MILL OPENSIDE 42" X 146" TB	*40674	B20 C6-7	90L
MILL HORIZ BORING 4.0 IN SPDL	*40766	B10 C14	90L
PLANER MILL 44" X 509" TBL	*40900	B30 D21	90L
ELECTRO ARC DISINTEGRATOR	*41209	B20 D08	90L
GRINDER CYLIND 10 IN SW X 30 IN CC	~~41449~~	B10 B16	90L
MEASURING MACH 120 IN CAP	~~41467~~	B2 DN-NORTH	90L
MILL VERT HYDROTEL 12" TT	~~41576~~	B10 B14	90L
SURFACE PLATE 48 IN X 120 IN TBL	*41963	B10 C21	90L
VACU-BLAST 48 IN X 36 IN X 30 IN	~~42070~~	B10 B22	90L
LATHE GUN BARREL 32" SW X 15 FT CC	*42083	B20 D15-18	90L
STRAIGHT PRESS 400 TON 16" STROKE	*42146	B20 C11	90L
HONE HORZ 12 IN DIA X 45 FT STROKE	*42147	B20 C20	90L
MILL VERTICAL 9 IN X 48 IN TBL	~~42154~~	B20 D03	90L
N/C MILL HORIZ BORE 2" SPN 108" TT	*42189	B30 E05	90L
MAGNAFLUX MAGNETIZE 3000 AMP	*42211	B30 E13	90L
LATHE ENGINE 40 IN SW X 324 IN CC	*42219	B20 D16	90L
HONE VERT 10 IN DIA X 65 IN STROKE	*42220	B10 B20	90L
BORING MACH, DEEP HOLE, 14 IN BORE	*42221	B20 C23	90L
LATHE ENGINE 40 IN SW X 372 IN CC	*42233	B20 D19	90L
SURFACE PLATE 48 IN X 144 IN TBL	*42639	B10 C21	90L
SURFACE PLATE 48 IN X 120 IN TBL	*42640	B10 C21	90L
GRINDER OSC SURF 8 IN X 24 IN TBL	~~42802~~	B10 B17	90L
LATHE ENGINE 15 IN SW X 54 IN CC	*42822	B10 B20	90L
GRINDER INT 30 IN SW X 17 IN DP	~~42846~~	B10 C16	90L

EQUIPMENT LIST FOR COST CENTER 90L

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
N/C MILL HORIZ BORE 1" SPN 108" TT	*42861	B30 D67	90L
MILL HORIZ BORING 5.0 IN SPDL	*42901	B30 D05	90L
PLASMA SPRAY 6 FT CENTER	~~42921~~	B10 B22-23	90L
SAW CUTOFF 12" X 12" TBL 5 IN WHL	~~42934~~	B10 B20	90L
DRILL RADIAL 6 FT ARM 15 IN COLUMN	*42966	B20 D07	90L
GRINDER CENTERLESS 3" DIA X 10" LG	~~42970~~	B10 B17-18	90L
JIG BORE 2 IN DR 33 IN X 43 IN TBL	*42979	B20 E08	90L
MILL VERT BORING 14" SW X 62" TBL	~~42989~~	B10 B18	90L
GRINDER TOOL 2 SPDL 2" CAP 10" WHL	~~4308~~	B10 C11	90L
GRINDER INT 24 IN SW X 12 IN DP	~~43326~~	B10 B15	90L
PURIFIER OIL 40 GPM 300 GAL 10M	*43405	B20 C12	90L
SURFACE PLATE 48 IN X 192 IN TBL	*43463	B20 C22	90L
SURFACE PLATE 204 IN X 252 IN TBL	*44044	B10 C18	90L
CNC MACH CNTR 60IN X 30IN Y 25IN Z	*44387	B30 D04	90L
PLASMA SPRAY BOOTH 60 SQFT CHAMBER	*44390	B10 B22-23	90L
LAYOUT TABLE	*44394	B10 C20	90L
PLASMA SPRAY SYSTEM	*44488	B10 B22-23	90L
HIGH PRESSURE AIR SYSTEM	*44604	B10 C23	90L
LATHE, SPEED, W/65 COLLETS	~~45068~~	B10 B20	90L
CNC VERT BORING MACH 4-AXIS	*45443	B10 C12	90L
MAGNAFLUX DEMAGNETIZING UNIT	*45468	B10 B7-8	90L
SURFACE GRINDER	*45472	B10	90L
ENGINE LATHE	*45977	B20	90L
HORZ. BORING MILL,BEDPLATE 8'x24'-6"	*46130	B30 D11	90L
TAPPER 1.0 IN TAP 2.25 IN STROKE	~~186~~	B20 D09	90L
LATHE ENGINE 10 IN SW X 20 IN CC	~~5013~~	B10 B15	90L
DRILL 24" X 36" TBL 1" CAP	~~50535~~	B20 D09	90L
MILL HORIZ BORING 5.0 IN SPDL	*51434	B30 D07	90L
MILL VERT BORING 78" SW X 74" TBL	*5193	B10 C05	90L
LATHE ENGINE 13 IN SW X 54 IN CC	~~5203~~	B10 B21	90L
RADIAL DRILL	~~52420~~	B20 D11	90L
DRILL RADIAL 6 FT ARM 15 IN COLUMN	*52428	B20 D11	90L
GRINDER,CYLIND,42 IN SW X 27 IN LG	*52525	B10 B10	90L
CORDAX COMPUTER SYSTEM	*5642	B10 C22	90L
PLANER MILL 19 FT X 20 FT TBL	*5880	B30 E16	90L
MILL HORIZ BORING 5.0 IN SPDL	~~5908~~	B30 E3	90L
MILL HORIZ BORING 8.0 IN SPDL	*5912	B20 C15	90L
MILL VERT BORING 66" SW X 62" TBL	*5913	B10 C11	90L
MILL HORIZ BORING 6.0 IN SPDL	*5917	B20 C14	90L
MILL HORIZ BORING 4.0 IN SPDL	~~5920~~	B30 E03	90L
MILL THREAD 17 IN DIA X 10 IN CC	*5933	B20 C08	90L
PLANER MILL DLB COL 168" TT	*5940	B20 C05	90L
N/C CINN HYDROTEL 28IN SW X 120 CC	*5953	B10 B13	90L
MILL HORIZ HYDROTEL 120" TT	*5955	B10 B16	90L
RIFLING MACHINE 5" DIA 26" STROKE	*6802	B20 C21	90L
SAW POWER C/O 6" X 6" STOCK CAP	~~7050~~	B10 B18	90L
GRINDER OSC SURF 12 IN X 48 IN TBL	~~800060~~	B U8	90L
LATHE ENGINE 32 IN SW X 252 IN CC	*9754	B20 D22	90L

EQUIPMENT LIST FOR COST CENTER 90L

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
LATHE ENGINE 32 IN SW X 252 IN CC	*9755	B20 D15-16	90L
LATHE ENGINE 32 IN SW X 376 IN CC	*9757	B20 D19	90L
LATHE ENGINE 32 IN SW X 376 IN CC	*9758	B20 C22	90L
HOLLOW SPINDLE LATHE	*C46047		

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90L IS EQUAL TO 147

EQUIPMENT LIST FOR COST CENTER 30

C-BUILDING

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
DRILL 22" X 36" TBL 1.0" CAP 2 SPD	~~106180~~	C20 D05	30
DRILL 25" X 44" TBL 1.5" CAP 2 SPD	~~106182~~	C20 C16	30
DRILL 25" X 44" TBL 1.5" CAP 2 SPD	~~106183~~	C30 D19-20	30
MILL ENGRAVER 8 IN X 12 IN TBL	~~15775~~	C20 D10	30
DRILL 18" X 28" TBL 3/4" CAP 6 SPD	~~15855~~	C30 E5	30
MILL ENGRAVER/ PROFILER (GORTON)	~~210007~~	C20 D09	30
MILL HORIZ 13 IN X 64 IN TBL	~~211349~~	C30 D06	30
GRINDER OSC SURF 8 IN X 24 IN TBL	~~41554~~	C30 D06	30
PHILLIPS STILL	~~44172~~	C30 E10-11	30
PLATEN PRESS 300 DEG F 150 TON	~~44445~~	C10 B9	30
COOLER, WALK-IN	~~45057~~	C10 B16	30
LATHE ENGINE 13 IN SW X 54 IN CC	~~5005~~	C30 D65	30
PUNCH PRESS 10" STR 200 TON	~~55286~~	C20 C15	30
STRAIGHT PRESS 75 TON 12" STROKE	~~56945~~	C30 D06	30
TORPEDO RUNWAY	*59357	C20 C17	30
CABINET BLAST CLEAN 5' X 5' X 5'	~~75~~	C30 E13	30
SURFACE PLATE	~~809~~	C30 E10	30
LAPPING MACHINE 24 IN DIA	~~926583~~	C E6	30
RABBIT EAR DRILL	~~RABBRIL~~	C	30
TER 1	~~TER-1~~	C20 W5	30
TER 2	~~TER-2~~	C20 X4	30
TER 3	~~TER-3~~	C20 W3	30
HYD TEST BENCH, SCHROEDER	*XXXXX	C20 C9	30

THE TOTAL NUMBER OF MACHINES IN COST CENTER 30 IS EQUAL TO 23

2

EQUIPMENT LIST FOR COST CENTER 90K

"D" BUILDING

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
BRAKE MECH 3/8" X 20 FT BREAK	*10239	D20 C6-7	90K
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105079	D30 E04	90K
DRILL 25" X 44" TBL 2.0" CAP 2 SPD	*106181	D10 C16	90K
ROLL MACH 24 IN RAD X 1" STL	*1299	D20 D12	90K
BRAKE MECH 1" X 10 FT BREAK	*15804	D20 D05	90K
MAGNAFLUX UNIT 3000 AMP	*15868	D30 E8-9	90K
SAW CONTOUR 36" THROAT X 13" HIGH	*15881	D20 D09	90K
ARC WELDER	~~1604~~	D30 D16	90K
ARC WELDER	~~1607~~	D10 C16	90K
ARC WELDER	~~1609~~	D20 D8	90K
ARC WELDER	~~1615~~	D10 C14	90K
ARC WELDER	~~1618~~	D10 C7	90K
ARC WELDER	~~1620~~	D10 C16	90K
ARC WELDER	~~1629~~	D30 E9	90K
ARC WELDER	~~1631~~	D10 B5	90K
ARC WELDER	~~1632~~	D10 C12	90K
ARC WELDER	~~1633~~	D10 C14	90K
ARC WELDER	~~1963~~	D10 B4	90K
ARC WELDER	~~1965~~	D10 B4	90K
ARC WELDER	~~1966~~	D10 C7	90K
ARC WELDER	*1975	D10 C18	90K
BUFFING MACHINE 12" DIA WH 3" BELT	*217	D30 E17	90K
NIBBLER	*2237	D20 D19	90K
BUFFING MACHINE 12" DIA WH 3" BELT	*2250	D30 D17	90K
BUFFING MACHINE 12" DIA WH 3" BELT	*2274	D30 D17	90K
BENDING BLOCK	*2702	D20 D12-13	90K
BENDING BLOCK	*2703	D20 C14	90K
ROLL 1 1/8 IN THICK X 10 FT WIDE	*2725	D20 D04	90K
WELDER SPOT RESIST 200 KV	*27636	D20 D12	90K
PUNCH PRESS 4" STR 70 TON	*313915	D20 D15	90K
DRILL 22" X 24" TBL 7/8" CAP 1 SPD	~~314~~	D10 C02	90K
LATHE ENGINE 10 IN SW X 26 IN CC	*315001	BLDG 74	90K
ARC WELDER 600 AMPS	*40144	D30 D13	90K
STRAIGHT PRESS 150 TON 18" STROKE	*40227	D20 C12	90K
WELDING POSITIONER 48 IN DIA CAP	*40250	D10 B06	90K
WELDING POSITIONER 48 IN DIA CAP	~~40255~~	D10 B5-6	90K
WELDING POSITIONER 48 IN DIA CAP	~~40261~~	D30 D14	90K
WELDING POSITIONER 48 IN DIA CAP	*40263	D30 E02	90K
WELDING POSITIONER 53 X 53 IN TBL	*40264	D30 D15	90K
WELDING POSITIONER 53 X 53 IN TBL	*40265	D10 B02	90K
PRESS BRAKE 3/8 IN X 6 FT BRAKE	*40266	D20 C09	90K
POSITIONER 48 IN DIA TBL 6000 CAP	*40295	D10 C18	90K
POSITIONER 48 IN DIA TBL 6000 CAP	*40296	D30 D5	90K
POSITIONER 48 IN DIA TBL 6000 CAP	~~40298~~	D20 D17	90K
POSITIONER 84 IN X 84 IN TABLE	*40353	D10 B03	90K
POSITIONER 84 IN SQ TBL 40000 CAP	*40380	D10 C01	90K
PUNCH PRESS 11 IN STROKE 45 TON	*40411	D20 D16	90K
STRAIGHT PRESS 1500 TON 86" STROKE	*40471	D10 B12-14	90K

EQUIPMENT LIST FOR COST CENTER 90K

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
SCALE	*40644	D30 E16	90K
ARC WELDER 300 AMPS	~~40706~~	D4 LNT 0	90K
ARC WELDER 300 AMPS	*40707	D10 C07	90K
POSITIONER 36 IN DIA TBL 3000 CAP	*40781	D30 E06	90K
POSITIONER 24 IN DIA 1000# CAP	~~40800~~	D30 E13	90K
POSITIONER 24 IN CAP 1000# CAP	*40801	D20 D17	90K
POSITIONER 48 IN DIA 1000# CAP	*40802	D20 D18	90K
LATHE ENGINE 16 IN SW X 102 IN CC	~~40816~~	D30 E04	90K
SHEAR MACH, 1/4 IN PL X 30 IN W	*40974	D20 D15	90K
ARC WELDER 300 AMPS	~~41021~~	D10 C12	90K
ARC WELDER 300 AMPS	~~41022~~	D20 D18	90K
ARC WELDER 300 AMPS	~~41026~~	D10 C06	90K
ARC WELDER 300 AMPS	~~41027~~	D4 LNT 0	90K
ARC WELDER 300 AMPS	~~41029~~	D10 C05	90K
ARC WELDER 300 AMPS	*41030	D30 D16	90K
ARC WELDER 300 AMPS	*41031	D30 E5	90K
ARC WELDER 300 AMPS	*41032	D30 D3-4	90K
FURNACE 48 IN X 72 IN X 60 IN	*41083	D30 D18	90K
ARC WELDER 300 AMPS	*41110	D4 LNT 0	90K
ARC WELDER 300 AMPS	*41113	D30 D1	90K
OVEN, ELECT, 800 DEG F/WK CAR	*41184	D30 E19	90K
ARC WELDER 200 AMPS	*41211	D20 D08	90K
SAW CONTOUR 60" THROAT X 24" HIGH	*41238	D20 D10	90K
SAW CONTOUR 36" THROAT X 16" HIGH	*41239	D20 D09	90K
ROLL 8 GA THICK X 4 FT WIDE 3 HP	*41305	D20 C08	90K
BRAKE MECH 5/16 IN X 8 FT BRAKE	*41317	D20 C08	90K
PUNCH PRESS 15" THROAT 1/2" ST	*41349	D20 D14	90K
ARC WELDER 300 AMPS	*41357	D30 E13	90K
ARC WELDER 300 AMPS	*41359	D4 LNT 0	90K
BRAKE MECH 3/8 IN X 6 FT BRAKE	*41381	D20 C09	90K
LATHE WELD 30 IN DIA X 72 IN CC	*41383	D30 D05	90K
PEDESTAL GRINDER	*414	D20 D7	90K
SHEAR 10 GA X 24" STOCK	*41429	D20 D3-4	90K
ARC WELDER 300 AMPS	*41430	D30 D15	90K
ARC WELDER 300 AMPS	*41431	D30 E4-5	90K
OVEN 24 IN X 24 IN IN DRY ROD	*41452	D30 D09	90K
SHEAR 12 GA X 48" STOCK	*41454	D20 D04	90K
ROLL 1/4 IN THICK X 12 FT 10 HP	*41469	D20 C08	90K
ROLL 1/2 IN THICK X 6 FT 20 HP	*41480	D20 D04	90K
ARC WELDER 300 AMPS	*41570	D30 D14	90K
SAW CONTOUR 36" THROAT	*42141	D20 D09	90K
WELDING POSITIONER 29 IN DIA TABLE	*42144	D30 E2-3	90K
SURFACE PLATE	*42206	D	90K
ARC WELDER 300 AMPS	*42223	D10 C2S	90K
ARC WELDER 300 AMP	*42226	D20 C04	90K
ARC WELDER 300 AMPS	*42227	D20 D16	90K
ARC WELDER 500 AMPS	*42261	D30 E14	90K
ARC WELDER 500 AMPS	*42262	D30 D02	90K

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EQUIPMENT LIST FOR COST CENTER 90K

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
ARC WELDER 500 AMPS	*42263	D30 E15	90K
ARC WELDER 500 AMPS	*42283	D30 D13	90K
ARC WELDER 500 AMPS	*42284	D10 B12	90K
ARC WELDER 500 AMPS	*42285	D20 D16	90K
ARC WELDER 300 AMPS	*42289	D30 C2-3	90K
ARC WELDER 500 AMPS	*42290	D30 D18	90K
ROLL 42" SIDE 24 GA 2" ROLL 1/3 h	*42296	D20 C07	90K
PEDESTAL GRINDER	*4277	D10 C16	90K
ARC WELDER 500 AMPS	*42806	D20 D17	90K
ROLL ANGLE AND CHANNEL 48 IN LONG	*42836	D10 C19	90K
ARC WELDER 300 AMPS	*42838	D30 D16	90K
SHEAR 3/8 IN THK X 168" WIDE CAP	*42844	D30 D3	90K
ROLL 1/4 IN THICK X 6 FT WIDE	*42859	D20 C08	90K
ARC WELDER 500 AMPS	*42873	D4 LNT 0	90K
ARC WELDER 500 AMPS	*42874	D20 D18	90K
ARC WELDER 500 AMPS	*42878	D10 C12	90K
ARC WELDER 500 AMPS	*42879	D30 E02	90K
ARC WELDER 500 AMPS	*42881	D10 C12	90K
ARC WELDER 500 AMPS	*42882	D10 B06	90K
WELD ELECT BEAM 24" X 22" CHAMBER	*42892	D30 D09	90K
WELDING POSITIONER 44 IN DIA TABLE	*42896	D30 E5	90K
ARC WELDER 400 AMPS	*42903	D10 C14	90K
WELDER SPOT RESIST 150 KVA	*42912	D30 E06	90K
STRAIGHT PRESS 150 TON 18" STROKE	*42913	D20 C13	90K
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*42971	D10 E16	90K
FINISHING MACH TUBE & ROD END	*42977	BLDG 74	90K
WELD ELECT BEAM 54" X 50" CHAMBER	*43313	D30 D10	90K
BURNER GAS CUTTING 96IN X 60IN TBL	*43324	D20 C03	90K
PUNCH PRESS N/C 6" DIA 10 GAGE CAP	*43358	D20 C15	90K
SAW SPLITTER 5 IN THK 12 IN SQUARE	*43369	D20 D09	90K
POWER UNIT	*43479	D10 B18	90K
ARC WELDER 300 AMPS	*44067	D10 C07	90K
ROLL 1/4 IN THICK X 48 IN WIDE	*44095	D20 D06	90K
ARC WELDER 300 AMPS	*44109	D30 E04	90K
ARC WELDER 300 AMPS	*44110	D10 B04	90K
ARC WELDER 500 AMPS	*44215	D LNTO	90K
ARC WELDER 300 AMPS	*44233	D30 C04	90K
ARC WELDER 500 AMPS	*44307	D30 D5	90K
SAW RADIAL ARM	*44386	D30 D11	90K
WELDING MACHINE, AUTOMATIC TIG	*44447	D SD05	90K
ROLL 1/2 IN THICK X 96 IN WIDE	*44622	D20 C11	90K
ARBOR PRESS 3 TON CAP 20" DIA WORK	*44623	D20 D14	90K
ARC WELDER 300 AMPS	*44637	D4 LNT 0	90K
ARC WELDER 300 AMPS	*44638	D30 E15	90K
PUNCHING MACH LASER CO2	*45046	D20 C17	90K
SAW, BAND, AUTO POWER 16" DIA WORK	*45073	D30 D11	90K
ARC WELDER 300 AMPS	*45442	D10 C5-6	90K
WELDER, MIG, 700 AMP	*45448	D10 C4	90K

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EQUIPMENT LIST FOR COST CENTER 90K

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
PRESS BRAKE 5/16 IN X 10 FT PLATE	*45473	D20 C09	90K
500 GALLON OXYGEN TANK	*45880	BLDG 74 WEST	90K
500 GALLON ARGON TANK	*45882	D OUTSIDE N.E.	90K
500 GALLON NITROGEN TANK	*45887	D D4	90K
COLD SAWING MACHINE	*45976	D30 D11	90K
PIRANHA IRON WORKER	*46204	D30 D11	90K
GULLCO PLATE BEVELER	*46211	D30 D17	90K
PLASMA ARC MACH/BURN BED,15'x23'x12"	*46220	D20 C17	90K
DEBURRING MACHINE, AEM	*46221	D30 D18	90K
WELDING POSITIONER	*51205	D30 D7-8	90K
WELDING POSITIONER	*51206	D30 E1	90K
BRAKE, CNC 8'-0"	*57228	D20 C09	90K
STRAIGHT PRESS 75 TON 12" STROKE	*57674	D20 C13	90K
FURNACE 36 IN X 54 IN X 30 IN	*57963	D30 D06	90K
WELDER MANIPULATOR	*58509	D30 E6	90K
STRAIGHT PRESS 50 TON 30" STROKE	*6525	D20 C13	90K
WELDER SPOT RESIST 18 IN THK 50KV	*671	D30 E07	90K
SHEAR 9/32 IN X 48 IN THROAT	*6731	D20 C19	90K
ROLL ANGLE AND CHANNEL 3 IN ANGLE	*6853	D10 C19	90K
SAW ABR WHEEL 2.5 IN DIA WK THICK	*7067	BLDG 74	90K
SHEAR 1 IN X 120 IN PLATE	*7486	D20 D03	90K
ARBOR PRESS, 12 TON CAP, 20"DIA WK	*803936	D20 C11-12	90K
SHEAR 1/2 IN X 24 IN STEEL	*8942	D20 C07	90K
GRIT BLAST	*GRIT BLAST	D	90K
MK75 STAND (MK13 WELD POSITIONER)	*MK75 TEST 6	D10 B17-18	90K
STRESS FURNACE	*STRESS FURNACE	D	90K
X-RAY AREA	*XRAY	D10 A19	90K
ZERO BLAST	*ZERO BLAST	D30 F17	90K
LASER WELDER	*045923		

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90K IS EQUAL TO ~~172~~ 173

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EQUIPMENT LIST FOR COST CENTER 90H

F Building

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
GRINDER TOOL 10 IN SW X 27 IN CTRS	~~107853~~	F50 B17	90H
GRINDER TOOL 10 IN SW X 37 IN CTRS	~~108870~~	F50 B16	90H
GRINDER TOOL 10 IN SW X 27 IN CTRS	~~110034~~	F50 B11	90H
DRILL RADIAL 6 FT ARM 17 IN COLUMN	*110201	F50 A04	90H
LATHE ENGINE 12 IN SW X 20 IN CC	~~1111~~	F50 A08	90H
GRINDER CYLIND 10 IN SW X 24 IN CC	~~1143~~	F50 A20	90H
COMPARATOR 14 IN DIA 5 IN TBL TRVL	*11966	F50 B16	90H
MILL VERTICAL 9 IN X 42 IN TBL	*11992	F50 B08	90H
COMPARATOR 14 IN DIA 4 X 18 IN TBL	*12112	F50 A16	90H
COMPARATOR 14 IN DIA 4 X 18 IN TBL	*12113	F50 A20	90H
COMPARATOR 14 IN DIA 4 X 18 IN TBL	*12114	F50 B16	90H
MILL VERTICAL 14 IN X 65 IN TBL	~~12609~~	F10 A03	90H
MILL VERTICAL 12 IN X 56 IN TBL	~~12610~~	F10 A02	90H
LAPPING MACHINE 4" DIA ROLLS	*15703	F GARM	90H
UNIVERSAL HOB CUTTER MEASURING MACH	*15713		90H
GRINDER OSC SURF 8 IN X 24 IN TBL	~~15766~~	F50 A18	90H
UTILITY GRINDER	*15814	F5 B4	90H
GRINDER TOOL	~~15839~~	F50 A21	90H
GEAR CHECKER .001 IN CAP	*15840	F50 A21	90H
GRINDER OSC SURF 5 IN X 12 IN TBL	~~15848~~	F50 A19	90H
GRINDER TOOL / CUTTER	~~15867~~	F50 A02	90H
GEAR CUTTER 10 IN DIA X 12 IN FACE	~~15872~~	F10 B18	90H
GRINDER OSC SURF 5 IN X 12 IN TBL	~~17739~~	F50 A19	90H
LEE SURFACE GRINDER	*17746	F5 A15	90H
GRINDER TOOL / CUTTER	*20029	F50 B17	90H
GRINDER TOOL / CUTTER	*20030	F50 B18	90H
GRINDER TOOL / CUTTER	*20031	F50 B17	90H
GRINDER TOOL / CUTTER	~~20032~~	F50 B17	90H
JIG BORE 9 IN DR 22 IN X 44 IN TBL	*2816	F50 B07	90H
JIG BORE 1 IN DR 15 IN X 20 IN TBL	*2827	F50 B07	90H
JIG BORE 2 IN DR 23 IN X 27 IN TBL	*2839	F50 B07	90H
JIG BORE 2 IN DR 33 IN X 43 IN TBL	*2843	F50 B07	90H
LATHE ENGINE 20 IN SW X 96 IN CC	~~311010~~	F10 B03	90H
MILL ENGRAVER 8 IN X 12 IN TBL	*312649	F30 E7	90H
SAW POWER C/O ABRASIVE 3.5 IN CAP	*3290	F50 A17	90H
GRINDER TOOL \ CUTTER	~~3585~~	F50 B17	90H
FURNACE	*3942	F5 A13	90H
GRINDER TOOL / CUTTER	*40012	F50 A20	90H
GRINDER TOOL \ CUTTER	*40321	F50 A19	90H
GRINDER TOOL	*40326	F50 A16	90H
SHAPER VERTICAL 20 INCH ROTARY TBL	*40359	F50 B04	90H
GRINDER HOB SHARPENER 6 X 7 IN	*40412	F50 B18	90H
GRINDER OSC SURF 14 IN X 72 IN TBL	*40490	F10 B12	90H
LATHE ENGINE 25 IN SW X 72 IN CC	*40498	F50 B03	90H
UTILITY GRINDER	*40536	F5 B2	90H
GRINDER TOOL TAP 5/8 CAP	*40565	F50 A15	90H
LATHE ENGINE 18 IN SW X 54 IN CC	*40568	F50 B04	90H
TOOL GRINDER, PEDESTAL	*40570	F5 16A	90H

EQUIPMENT LIST FOR COST CENTER 90H

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTE
GRINDER INT 18 IN SW X 14 IN DP	*40603	F50 A20	90H
LATHE ENGINE 11 IN SW X 18 IN CC	*40624	F50 A06	90H
DRILL 10" X 10" TBL 1/2" CAP	*40832	F50 A15	90H
JIG BORE 3 IN DR 36 IN X 96 IN TBL	*40956	F50 B05	90H
GRINDER TOOL 1" CAP 3" WHEEL	*41188	F50 A17	90H
CLEANER ELECTROLYTIC 6 IN DIA WHL	*41189	F50 A17	90H
SAW CONTOUR 36" THROAT X 13" HIGH	*41299	F50 A10	90H
GRINDER JIG 18 IN X 11 IN TBL	*41347	F50 B19	90H
DRILL 21" X 36" TBL 1.0" CAP 2 SPD	*41365	F50 A09	90H
DRILL 21" X 36" TBL 1.0" CAP 2 SPD	*41366	F50 A09	90H
GRINDER CYLIND 14 IN SW X 72 IN CC	*41442	F50 A20	90H
GRINDER TOOL 8" SW X 15" CTRS	*41522	F50 A15	90H
GRINDER INT 6 IN DIA X 42 IN LG	*42165	F50 A20	90H
GRINDER TOOL \ CUTTER	*4218	F50 B17	90H
GRINDER TOOL 8" SW X 24" CC	*42212	F50 A20	90H
COMPARATOR 30 IN DIA 8 IN TBL TRVL	*42215	F50 A19	90H
GRINDER OSC SURF 10 IN X 24 IN TBL	*42279	F50 A18	90H
GRINDER OSC SURF 6 IN X 14 IN TBL	*42280	F50 A18	90H
JIG BORE 2 IN DR 32 IN X 39 IN TBL	*423	F10 B06	90H
GRINDER TOOL 14" WH 9" X 22" TBL	*42821	F50 A17	90H
GRINDER CYLIND 10 IN SW X 24 IN CC	*42920	F50 A19	90H
GRINDER ROT SURF 36 IN DIA TBL	*42929	F10 B18	90H
GRINDER ROT SURF 42 IN DIA TBL	*42930	F10 B13	90H
GRINDER OSC SURF 6 IN X 36 IN TBL	*42943	F50 A17	90H
GRINDER OSC SURF 8 IN X 24 IN TBL	*42958	F50 A18	90H
GRINDER ROT SURF 42 IN DIA TBL	*42965	F10 C13	90H
ELECT DISCHARGE MACH 12 IN X 20 IN	*42967	F50 A14	90H
MILL VERTICAL 10 IN X 40 IN TBL	*42968	F50 A04	90H
SELLERS DRILL GRINDER	*4310	F5 A15	90H
GRINDER TOOL TAP 1" CAP	*4313	F50 B15	90H
GRINDER JIG N/C 18 IN X 11 IN TBL	*43335	F50 B19	90H
GRINDER TOOL 1/2 IN CAP DR GRINDER	*43361	F50 A15	90H
MILL VERTICAL 9 IN X 48 IN TBL	*43384	F50 A05	90H
GRINDER THREAD 9" SW X 24" CC	*43388	F50 B15	90H
OVEN	*43413	F5 B07	90H
GRINDER ROT SURF 36 IN DIA TBL	*43415	F10 B14	90H
SAW POWER CUTOFF 15" X 17" RECT	*43499	F50 B05	90H
GRINDER OSC SURF 5 IN X 12 IN TBL	*44261	F50 A20	90H
GRINDER TOOL \ CUTTER	*44275	F50 A15	90H
GRINDER OSC SURF 8 IN X 24 IN TBL	*44404	F50 A18	90H
VAPOR BLASTER	*45047	F50 A14	90H
MILL VERTICAL 9 IN X 42 IN TBL	*45064	F20 B08	90H
MILL VERTICAL 9 IN X 42 IN TBL	*45065	F50 A05	90H
HEAT TREAT FURNACE	*45901	F50 A13	90H
MILL VERTICAL 10 IN X 35 IN TBL	*45910	F50 A02	90H
MILL VERTICAL 9 IN X 42 IN TBL	*45911	F50 A04	90H
MILL VERTICAL 9 IN X 42 IN TBL	*45912	F50 A05	90H
MILL VERTICAL 9 IN X 42 IN TBL	*45913	F50 B08	90H

EQUIPMENT LIST FOR COST CENTER 90H

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
CNC GRINDER CUTTER	*45971	F5 B14	90H
ELECTRICAL DISCHARGE MACHINE	*45973	F5 A14	90H
ELECTRICAL DISCHARGE MACHINE	*45974	F5 B10	90H
LATHE TOOL	*45979	F5 A6	90H
LATHE TOOL	*45980	F5 B8	90H
LATHE TOOL	*46201	F5 B3	90H
GRINDER	*46209	F5 A19	90H
GRINDER	*46210	F5 B16	90H
MONARCH LATHE	*46215	F5 B2	90H
MONARCH LATHE	*46215	F5 B3	90H
MONARCH LATHE	*46216	F5 B3	90H
MONARCH LATHE	*46216	F5 B4	90H
LATHE ENGINE 10 IN SW X 20 IN CC	~~5011~~	F50 B04	90H
LATHE ENGINE 10 IN SW X 20 IN CC	~~5014~~	F50 A08	90H
GRINDER TOOL 10 IN SW X 27 IN CTRS	*51858	F50 B17	90H
GRINDER TOOL 10 IN SW X 27 IN CTRS	*51859	F50 B18	90H
LATHE ENGINE 12 IN SW X 30 IN CC	~~5194~~	F50 B03	90H
JIG BORE 2 IN DR 33 IN X 43 IN TBL	*5910	F50 B06	90H
MILL UNIVERSAL 12 IN X 34 IN TBL	~~5925~~	F50 A04	90H
MILL UNIVERSAL 13 IN X 64 IN TBL	~~5935~~	F50 A03	90H
MILL VERTICAL 14 IN X 34 IN TBL	~~5951~~	F50 A03	90H
DO ALL BAND SAW	*7063	F5 A10	90H
TOOL LATHE	*807216	F50 A14	90H
GRINDER,HOB,6" DIA WORK,20"LG	*9236	F50 B08	90H
UTILITY GRINDER	~~995~~	F5 A16	90H

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90H IS EQUAL TO 121

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EQUIPMENT LIST FOR COST CENTER 90G

"F" BUILDING

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105076	F20 D09	90G
✓ GRINDER JIG 18 IN X 11 IN TBL	*10618	F10 C15	90G
DRILL RADIAL 5 FT ARM 13 IN COLUMN	*107274	F20 D09	90G
GRINDER TOOL 10 IN SW X 27 IN CTRS	*108968	F50 B16	90G
GRINDER TOOL 10 IN SW X 27 IN CTRS	*110035	F5 B17	90G
DRILL 22" X 82" TBL 7/8" CAP 6 SPD	~~110047~~	F20 C10	90G
LATHE TURRET 60" SW X 56" TBL	*116140	F30 D02	90G
COMPARATOR 30 IN DIA 32 X 8.5 IN T	*11869	F20 C6	90G
✓ GEAR TESTER 6.75 IN DIA, BEVEL TYP	*12100	F10 C20	90G
✓ GEAR HOB TESTER 20 IN D 28 IN FACE	*12110	F10 C20	90G
N/C MILL VERT 30 IN X 48 IN X 15 I	*12181	F20 D06	90G
TAPPER 5/8 IN TAP 2.25 IN STROKE	~~125~~	F20 C09	90G
DRILL 22" X 46" TBL 7/8" CAP S SPD	~~12631~~	F20 C11	90G
DRILL 22" X 46" TBL 7/8" CAP 2 SPD	*12632	F20 C11	90G
DRILL 22" X 46" TBL 7/8" CAP 2 SPD	~~12633~~	F20 C10	90G
DRILL 22" X 46" TBL 7/8" CAP 2 SPD	~~12634~~	F20 C11	90G
SURFACE PLATE 48 IN X 96 IN TBL	*1424	F5 B15	90G
✓ SURFACE PLATE 60 IN X 144 IN TBL	*15185	F5 A6	90G
HONE VERT 29 IN DIA X 8 IN STROKE	~~15702~~	F10 B09	90G
✓ GEAR HOBBER 16" DIA 11" FACE WIDTH	*15717	F10 B19	90G
✓ GEAR CUTTER 4.5" DIA X 7/16" FACE	*15776	F50 A20	90G
GRINDER CYLIND 3 IN SW X 18 IN CC	~~15827~~	F10 B16	90G
GRINDER CYLIND 3 IN SW X 18 IN CC	~~15828~~	F10 B16	90G
✓ GEAR CUTTER 24 DIA X 3.5 IN FACE	*15843	F10 C19	90G
✓ GEAR HOBBER 12" DIA 6" FACE WIDTH	*15857	F10 B19	90G
✓ GEAR CUTTER 4.5" DIA X 7/16" FACE	*15861	F10 C20	90G
✓ GEAR HOBBER 36" DIA 15" FACE WIDTH	*15871	F10 C18	90G
COMPARATOR 30 IN DIA 8 IN TBL TRAV	*15873	F50 B15	90G
SHAPER VERTICAL 24 INCH ROTARY TBL	~~15879~~	F10 B08	90G
SHAPER VERTICAL 24 INCH ROTARY TBL	~~15884~~	F10 B08	90G
BOREMATIC 12" STROKE 2 SPDL 25" TT	*171	F30 E04	90G
✓ GEAR SHAPER 12"	*17148	F20 C20	90G
✓ GEAR HOBBER 6" DIA 16" FACE WIDTH	*17311	F20 C20	90G
GRINDER CENTERLESS 3" DIA X 10' LG	~~17720~~	F10 C14	90G
GRINDER CENTERLESS 3" DIA X 6' LG	~~17731~~	F10 B14	90G
GRINDER CYLIND 14 IN SW X 48 IN CC	~~17734~~	F10 C10	90G
GRINDER CYLIND 14 IN SW X 48 IN CC	~~17749~~	F10 C10	90G
GRINDER CYLIND 14 IN SW X 48 IN CC	~~17755~~	F10 B11	90G
GRINDER CYLIND 14 IN SW X 72 IN CC	~~17784~~	F10 C11	90G
GRINDER CYLIND 6 IN SW X 30 IN CC	~~17785~~	F10 C16	90G
JIG BORE 2 IN DR 23 IN X 27 IN TBL	*17880	F30 E05	90G
✓ SURFACE PLATE 48 IN X 72 IN TBL	*1830	F50 B15	90G
SURFACE PLATE 48 IN X 72 IN TBL	*1831	F10 C16	90G
PRESS HYDR 10 TON 9IN STROKE 60IN	*197	F U15	90G
✓ GEAR HOBBER 12" DIA 12" FACE WIDTH	*2062	F10 B18	90G
LATHE TURRET AUTO 1.5 INCH BAR CAP	~~210~~	F30 D19	90G
N/C K-T MODEL 3 44" HORIZ 50" Z	*2507	F30 E04	90G
BOREMATIC SGL HEAD 10 IN DIA BORE	*2828	F30 E05	90G

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EQUIPMENT LIST FOR COST CENTER 90G

	EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
✓	BOREMATIC SGL HEAD 8 IN DIA BORE	*2829	F30 E05	90G
	JIG BORE 2 IN DR 23 IN X 27 IN TBL	*2840	F30 E05	90G
✓	BROACH 64 IN STROKE 2.75" DIA 25 T	*2901	F10 B06	90G
✓	BROACH 66 IN STROKE 2" DIA 15 TON	*2902	F10 B04	90G
✓	GRINDER JIG 16 IN X 10 IN TBL	*296	F10 C15	90G
	GRINDER JIG 16 IN X 10 IN TBL	*297	F10 C15	90G
	JIG BORE 2 IN DR 23 IN X 27 IN TBL	*310573	F30 E06	90G
	DRILL 22" X 44" TBL 7/8" CAP 1 SPD	~~310583~~	F	90G
	DRILL 22" X 44" TBL 7/8" CAP 1 SPD	~~310584~~	F20 C10	90G
	MILL VERTICAL 10 IN X 35 IN TBL	*310963	F10 B03	90G
	LATHE ENGINE 20 IN SW X 95 IN CC	*311046	F30 E19	90G
	MILL HORIZ 13 IN X 64 IN TBL	~~311210~~	F10 B08	90G
	GRINDER INT 16 IN SW X 8 IN DP	~~312617~~	F10 C17	90G
	GRINDER TOOL/CUTTER	*312700	F50 B16	90G
	MILL VERT BORING 45" SW X 42" TBL	*313044	F30 D03	90G
	SCREW MACHINE AUTO 1.5 IN BAR CAP	*313077	F20 D18	90G
✓	THREAD ROLL .25 IN TO 2.625 IN DIA	*314027	F20 D18	90G
	JIG BORE 4 IN DR 33 IN X 43 IN TBL	*314670	F30 D06	90G
	LATHE ENGINE 16 IN SW X 54 IN CC	*333	F20 D17	90G
✓	MEASURING MACH 18 IN THREAD LGTH	*367	F5 GAGE ROOM	90G
	LATHE ENGINE 30 IN SW X 168 IN CC	*40015	F30 D14	90G
✓	GEAR CUTTER HYPOID 8" DIA 1" FACE	*40020	F10 B19	90G
	LATHE ENGINE 32 IN SW X 180 IN CC	*40026	F30 D13	90G
	LATHE ENGINE 18 IN SW X 78 IN CC	~~40071~~	F20 D16	90G
✓	COMPARATOR 30 IN DIA	*40115	F10 C17	90G
	SAW CONTOUR 26" THROAT X 13" HIGH	*40120	F10 B03	90G
✓	COMPARATOR 30 IN SCREEN 8 IN TT	*40126	F	90G
	DRILL 14" X 22" TBL 1" CAP 1 SPDL	*40132	F20 C12	90G
	DRILL 22" X 46" TBL 1" CAP 2 SPDL	*40133	F20 C10	90G
✓	GRINDER CYLIND 18 IN SW X 72 IN CC	*40141	F10 C12	90G
✓	GRINDER SPUR/HELIC GEAR (MAAG) 601	*40152	F10 B22	90G
	MILL UNIVERSAL 18 IN X 78 IN TBL	*40155	F10 C05	90G
	MILL VERTICAL 18 IN X 80 IN TBL	*40156	F10 C04	90G
	MILL VERTICAL 16 IN X 65 IN TBL	*40166	F10 C08	90G
	MILL VERTICAL 16 IN X 65 IN TBL	*40167	F10 B05	90G
	MILL VERTICAL 16 IN X 65 IN TBL	*40168	F10 B05	90G
	GRINDER JIG 16 IN X 10 IN TBL	*40171	F10 C15	90G
	LATHE ENGINE 25 IN SW X 72 IN CC	~~40181~~	F20 D16	90G
	LATHE ENGINE 25 IN SW X 72 IN CC	*40182	F30 D13	90G
	MILL VERT HYDROTEL 30" TT	*40187	F10 B06	90G
✓	MILL THREAD 12 IN DIA X 54 IN CC	*40188	F10 C19	90G
✓	LAPPING CYLIND 10 IN DIA X 60 IN L	*40203	F10 B15	90G
	LAPPING CYLIND 10 IN DIA X 60 IN L	*40205	F10 B18	90G
✓	GEAR HOBBER 16" DIA 56" FACE WIDTH	*40210	F10 B20	90G
	DRILL RADIAL 4 FT ARM 13 IN COLUMN	*40224	F20 D09	90G
	JIG MILL 3 IN DR 48 IN X 30 IN TBL	*40226	F30 D04	90G
✓	GEAR SHAPER 120 IN DIA X 8 IN FACE	*40243	F W21	90G
	LATHE ENGINE 16 IN SW X 54 IN CC	~~40270~~	F20 D16	90G

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EQUIPMENT LIST FOR COST CENTER 90G

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
HONE VERT .060 TO 6 INCHES IN DIA	*402782	F10 C09	90G
LATHE ENGINE 16 IN SW X 54 IN CC	~~40280~~	F20 D18	90G
LATHE ENGINE 16 IN SW X 54 IN CC	~~40281~~	F20 D18	90G
LATHE ENGINE 16 IN SW X 54 IN CC	~~40282~~	F20 D17	90G
LATHE ENGINE 24 IN SW X 78 IN CC	~~40290~~	F20 D17	90G
LATHE ENGINE 24 IN SW X 78 IN CC	~~40291~~	F20 D18	90G
MILL VERT BORING 26 IN TBL	*40320	F30 D02	90G
DRILL 18" X 28" TBL 1.0 CAP	*40344	F20 C11	90G
DRILL 18" X 28" TBL 1.0 CAP	*40345	F20 C11	90G
LATHE ENGINE 20 IN SW X 54 IN CC	*40348	F20 D16	90G
LATHE ENGINE 20 IN SW X 54 IN CC	*40349	F20 D17	90G
MILL VERT HYDROTEL 30" TT	*40377	F10 B07	90G
MILL UNIV 20" X 86" TBL, 42" TT	*40379	F10 B08	90G
HONE,VERT,INT,4 IN DIA, 40 IN STR	*40409	F10 B09	90G
JIG BORE 2 IN DR 23 IN X 27 IN TBL	*40467	F30 E06	90G
MILL VERTICAL 18 IN X 72 IN TBL	*40468	F10 B03	90G
MILL VERTICAL 18 IN X 72 IN TBL	*40588	F10 C05	90G
LATHE TURRET 1.0" BAR CAP X 21" SW	*40593	F20 D19	90G
MILL VERTICAL 10 IN X 42 IN TBL	*40604	F10 B03	90G
MILL VERTICAL 10 IN X 42 IN TBL	*40605	F10 C02	90G
LATHE ENGINE 18 IN SW X 54 IN CC	*40606	F30 D15	90G
MILL VERTICAL 9 IN X 30 IN TBL	*40607	F10 B04	90G
LATHE TURRET AUTO 4.5 INCH BAR CAP	~~40613~~	F30 D21	90G
LATHE TURRET 4.5" BAR CAP X 21" SW	*40614	F30 D21	90G
LATHE ENGINE 11 IN SW X 18 IN CC	*40623	F30 E16	90G
COMPARATOR 1/4 TO 3 IN STROKE	*40668	F4 LNT 0	90G
JIG MILL 3 IN DR 48 IN X 30 IN TBL	*40673	F30 D04	90G
DISCHG MACH ELOX 18 IN TT	*40803	F	90G
COMPARATOR 30 IN DIA 5 IN TBL TRVL	*40812	F20 C06	90G
GEAR SHAPER 36 IN DIA X 6 IN FACE	*40874	F10 B19	90G
GRINDER SPUR/HELIC GEAR 32 IN DIA	*40875	F10 C20	90G
JIG BORE 2 IN DR 33 IN X 43 IN TBL	*40933	F30 D06	90G
LATHE, BORING 24 IN SW X 13 FT LG	*40955	F30 E08	90G
MEASURING MACH 20 IN X 72 IN	*41069	F20 C20	90G
GRINDER OSC SURF 5 IN X 12 IN TBL	*41201	F10 C14	90G
LATHE TURRET AUTO 3.0 INCH BAR CAP	*41202	F30 D19	90G
DISINTEGRATOR METAL 21" X 24" TBL	*41208	F20 C12	90G
SCREW MACHINE AUTO 3.0 IN BAR CAP	*41243	F30 D18	90G
GRINDER CENTERLESS 3" DIA X 37 LG	*41295	F10 C14	90G
DRILL 10" X 18" TBL 3/8 CAP 1 SPDL	*41307	F20 C02	90G
DRILL 10" X 26" TBL 3/8" CAP 1 SPD	*41319	F20 C12	90G
LATHE TURRET 6.0" BAR CAP X 22" SW	*41322	F20 D20	90G
GRINDER THREAD 12" SW X 45" CC	*41326	F10 C14	90G
MEASURING MACH 34 IN X 21 IN TBL	*41354	F4 LNT 0	90G
GRINDER CENTERLESS 5" DIA X 43" LG	*41364	F10 B15	90G
GRINDER THREAD 12" DIA X 45" CC	*41434	F10 B14	90G
MEASURING MACH 80 IN CAP	*41466	F5 S. LAB	90G
DRILL 18" X 28" TBL 3/4" CAP 1 SPD	*41502	F20 D18	90G

EQUIPMENT LIST FOR COST CENTER 90G

EQUIPMENT DESCRIPTION	MID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
SCREW MACHINE AUTO 3/4 IN BAR CAP	*41555	F20 D18	90G
PRESETTING DEVLEIG 12 IN X 24 IN	*41577	F20 C06	90G
GRINDER CYLIND 14 IN SW X 72 IN CC	*41578	F10 B12	90G
GRINDER CYLIND 14 IN SW X 48 IN CC	*41579	F10 C10	90G
GRINDER CYLIND 14 IN SW X 48 IN CC	*41580	F10 C11	90G
GRINDER CYLIND 10 IN SW X 24 IN CC	*41581	F10 B16	90G
N/C MILL MILW-MAT EB 16 IN DIA TBL	*42057	F20 C03	90G
SURFACE PLATE 72 IN X 48 IN TBL	*42058	F5 S. LNT 0	90G
GRINDER CENTERLESS 3" DIA X 10" LG	*42142	F10 B14	90G
LATHE TURRET AUTO 3.0 INCH BAR CAP	*42145	F30 D19	90G
GRINDER OSC SURF 12 IN X 36 IN TBL	*42160	F10 B17	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42161	F10 B17	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42162	F10 B17	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42163	F10 B17	90G
GRINDER INT 24 IN SW X 12 IN DP	*42167	F10 C18	90G
LATHE ENGINE 11 IN SW X 18 IN CC	*42194	F30 E17	90G
SURFACE PLATE 48 IN X 96 IN TBL	*42205	F5 A7	90G
SURFACE PLATE 48 IN X 96 IN TBL	*42207	F5 A7	90G
LATHE ENGINE 16 IN SW X 72 IN CC	*42208	F30 E18	90G
GRINDER THREAD 6" DIA THREAD	*42222	F10 B14	90G
LATHE TURRET 2.5" BAR CAP X 21" SW	*42237	F30 D20	90G
N/C MILL MILW-MAT EB 16 IN DIA TBL	*42266	F20 C05	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42800	F10 B17	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42801	F10 B16	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42803	F10 B18	90G
GRINDER OSC SURF 8 IN X 24 IN TBL	*42804	F10 B16	90G
HONE HORZ 1-1/32 IN DIA	*42808	F10 C9	90G
GEAR MEAS MACH 24 IN DIA X 30 IN CC	*42809	F10 B20	90G
GEAR MEAS MACH 24 IN DIA X 30 IN CC	*42810	F10 B20	90G
GEAR CHARTER	*42811	F10 B20	90G
LATHE ENGINE 18 IN SW X 54 IN CC	*42816	F50 B04	90G
LATHE ENGINE 11 IN SW X 18 IN CC	*42819	F30 E17	90G
MILL VERTICAL 12 IN X 56 IN TBL	*42825	F50 A04	90G
LATHE ENGINE N/C 20" SW X 54" CC	*42839	F20 C17	90G
BLOHM WET GRINDER	*4284	F30 D18	90G
LATHE ENGINE N/C 20" SW X 54" CC	*42840	F20 C18	90G
GRINDER INT 30 IN SW X 17 IN DP	*42847	F10 C17	90G
GRINDER JIG 18 IN X 11 IN TBL	*42884	F10 C15	90G
GRINDER OSC SURF 12 IN X 24 IN TBL	*42890	F10 B17	90G
GRINDER OSC SURF 12 IN X 36 IN TBL	*42891	F10 B16	90G
N/C MILL MILW-MAT EB X-Y-Z AXES	*42900	F20 C02	90G
GEAR MEAS INST 24IN DIA X 36IN C	*42908	F10 C20	90G
MILL VERTICAL 17 IN X 80 IN TBL	*42910	F10 B07	90G
MILL VERTICAL 19 IN X 94 IN TBL	*42911	F10 B07	90G
N/C HEALD ACRACENTER 2-AXIS	*42919	F20 D11	90G
GRINDER OSC SURF 14 IN X 72 IN TBL	*42923	F10 B15	90G
MILL VERTICAL 20 IN X 94 IN TBL	*42927	F10 C04	90G
MILL UNIVERSAL 20 IN X 94 IN TBL	*42928	F10 B08	90G

EQUIPMENT LIST FOR COST CENTER 90G

EQUIPMENT DESCRIPTION	NTD NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
LATHE ENGINE 10 IN SW X 18 IN CC	*42955	F30 E17	90G
JIG BORE 2 IN DR 23 IN X 27 IN TBL	*42980	F30 E06	90G
GEAR SHAPER 24 IN GEAR DIA	*42982	F10 B21	90G
GRINDER CYLIND 12 IN SW X 48 IN CC	*42986	F10 C12	90G
JIG BORE 4 IN DR 27 IN X 36 IN TBL	*43300	F30 D06	90G
GEAR HOBBER 14" DIA 14" FACE WIDTH	*43301	F10 B21	90G
GRINDER SPUR/HELIC GEAR 11 IN DIA	*43307	F20 C21	90G
INTERFEROMETER	*43328	F10 B11	90G
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*43336	F20 D09	90G
N/C HEALD ACRACENTER 2-AXIS	*43351	F20 D12	90G
WHEEL DRESSER	*43362	F10	90G
MEASURING MACH N/C 70 X 39 Y 27 Z	*43365	F10 B1	90G
VAPOR BLAST 30 IN X 30 IN X 26 IN	*43385	F30 B13	90G
PURIFIER OIL 40 GPM 300 GAL 10M	*43402	F10 B12	90G
PURIFIER OIL 40 GPM 300 GAL 10M	*43403	F20 D1	90G
PURIFIER OIL 40 GPM 300 GAL 10M	*43406	F10 B13	90G
TEST STAND OPTICAL ALIGNMENT	*43424	F30 D12	90G
COMPARATOR GAGE	*43438	F10 B15	90G
LAPPING MACHINE 24 IN DIA ROLLS	*43454	F20 C18	90G
K&T 200	*43456	F	90G
MILL UNIVERSAL 15 IN X 68 IN TABLE	*43457	F10 B06	90G
GRINDER CYLIND 10 IN SW X 24 IN CC	*43458	F10 C17	90G
GRINDER CYLIND 10 IN SW X 24 IN CC	*43459	F10 C18	90G
GRINDER INT 18 IN SW X 8 IN DP	*43460	F10 B16	90G
LATHE ENGINE 12 IN SW X 20 IN CC	*43461	F30 E16	90G
SURFACE PLATE 48 IN X 192 IN TBL	*43462	F30 D09	90G
MILL	*43495	F10 C7	90G
MILL HORIZ 18 IN X 72 IN TBL	*43498	F10 C7-8	90G
CALTESTER	*43989	F20 C14	90G
MILL HORIZ 12 IN X 34 IN TBL	*43996	F10 C03	90G
HONE HORZ 72 IN DIA X 27 IN STROKE	*43998	F20 C18	90G
MILL VERTICAL 16 IN X 72 IN TBL	*44008	F10 B03	90G
GEAR HOBBER 96" DIA 48" FACE WIDTH	*44023	F20 C19	90G
GRINDER THREAD 35" SW X 26" CC	*44036	F10 D10	90G
GRINDER CYLIND 14 IN SW X 72 IN CC	*44069	F10 C11	90G
MILL VERTICAL 18 IN X 72 IN TBL	*44075	F10 C06	90G
BORING MACH, JIG, N/C, 3 IN SPDL	*44076	F30 E06	90G
LATHE ENGINE 11 IN SW X 18 IN CC	*44114	F30 E17	90G
LATHE ENGINE 13 IN SW X 54 IN CC	*44123	F20 D17	90G
LATHE ENGINE 13 IN SW X 54 IN CC	*44125	F20 D17	90G
GRINDER GEAR 103 D 25TH ST 30 SL T	*44214	F20 C22	90G
MILL VERTICAL 16 IN X 42 IN TBL	*44218	F10 B02	90G
STRAIGHT PRESS 4 TON 12" STROKE	*44299	F30 D14	90G
NC MILL 10" X 48" TBL 30" TT	*44304	F20 C08	90G
NC MILL 10" X 48" TBL 30" TT	*44305	F20 C08	90G
NC MILL 10" X 48" TBL 30" TT	*44306	F20 C08	90G
ISINTEGRATOR METAL 30" X 31" TBL	*44368	F X9	90G
GRIND MACH, TOOL & CUTTER	*44388	F50 A16	90G

EQUIPMENT LIST FOR COST CENTER 90G

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
GRINDER OSC SURF 8 IN X 24 IN TBL	*44405	F10 B15	90G
N/C MACH CTR, VERT, 3 AXIS CONTOUR	*44448	F20 C02	90G
EDM 20" X 12" TBL 8" RAM STROKE	*44453	F30 D07	90G
N/C MACH CENTER 4 AXIS	*44456	F20 D09	90G
✓ GRINDER THREAD 2-5/8 IN DIA	*44459	F20 D18	90G
✓ SURFACE PLATE	*44464	F LNT3	90G
✓ VIBRATION FINISHER	*44484	F30 E21	90G
EDM 20" X 12" TBL 8" RAM STROKE	*44485	F30 D07	90G
✓ VIBRATORY FINISHING MACHINE	*44486	F30 E21	90G
✓ DRILL SENSITIVE,1/2" CH, 15" SW	*44614	F20 C10	90G
✓ CIRCULATORY GEOMETRY GAGING SYS	*44616	F20 S LAB	90G
HORZ MILLING MACHINE #2	*44617	F10 B04	90G
HORZ MILLING MACHINE #2	*44618	F10 B05	90G
HORZ MILLING MACHINE #2	*44619	F10 B05	90G
CNC TURNING CENTER	*44620	F20 C14	90G
CNC TURNING CENTER	*44621	F20 C14	90G
CNC UNIV TURNING CENTER	*45048	F20 C15	90G
CNC UNIV TURNING CENTER	*45049	F20 C15	90G
GRINDER, HAND OPERATED	*45063	F10 C16	90G
KEYSEATER 1-1/4 IN, AUTO FEED	*45066	F5 B8	90G
SAW, BAND, AUTO POWER 16" DIA WORK	*45074	F30 D11	90G
CNC MACH CTR VERT 4-AXIS	*45079	F20 D03	90G
CNC MACH CTR VERT 4-AXIS	*45080	F20 D02	90G
GRINDER VERT UNIV 42" TBL	*45466	F10 B09	90G
GEAR SHAPER,VERT,SIN SPDL,4" FACE W	*45469	F10 B18	90G
GRINDER JIG 40 IN X 24 IN	*45471	F10 C16	90G
K&T CNC MACHINING CENTER	*45478	F20	90G
K&T CNC MACHINING CENTER	*45479	F20	90G
K&T CNC MACHINING CENTER	*45480	F20	90G
GRINDING MACHINE	*45959	F10	90G
GRINDER OSCILLATING SURFACE	*45960	F10 B11	90G
GRINDING MACHINE	*45963	F10	90G
COORDINATE MEASURING MACHINE	*45965	F	90G
FIN CLIP DRILL FIXTURE	*45968	F30	90G
CNC VERTICAL MACHINING CENTER	*46041	F20 D5	90G
CNC VERTICAL MACHINING CENTER	*46042	F20 D4	90G
CIN/MILACRON NC LATHE CINTURN -40"	*46045	F20 C16	90G
CIN/MILACRON NC LATHE CINTURN -40"	*46046	F20 C17	90G
TAPPER 7/8 IN TAP 2.25 IN STROKE	~~481~~	F20 C10	90G
TAPPER 1.5 IN TAP 3.5 IN STROKE	~~482~~	F20 C9-10	90G
LATHE TURRET 2.5" BAR CAP X 21" SW	~~5010~~	F30 D20	90G
LATHE TURRET 2.5" BAR CAP X 21" SW	~~5019~~	F30 E20	90G
LATHE TURRET 2.5" BAR CAP X 21" SW	~~5020~~	F30 D18	90G
LATHE TURRET 1.5" BAR CAP X 21" SW	*51263	F30 D16	90G
LATHE TURRET 6.0" BAR CAP X 24" SW	*5155	F20 D20	90G
MULTIPRESS 10 5/8 IN X 8 IN	*52098	F30 E17 STORED	90G
COMPARATOR 14 IN DIA 5 IN TBL TRVL	*53750	F50 B16	90G
MILL VERTICAL 10 IN X 35 IN TBL	~~5904~~	F10 B07	90G

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EQUIPMENT LIST FOR COST CENTER 90G

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
GEAR HOBBER 90" DIA 24" FACE WIDTH	*5916	F10 C18	90G
MILL VERTICAL 10 IN X 35 IN TBL	~~5921~~	F10 B07	90G
MILL VERTICAL 10 IN X 35 IN TBL	~~5922~~	F10 B07	90G
MILL HORIZ 18 IN X 96 IN TBL	~~5923~~	F10 C08	90G
MILL HORIZ 13 IN X 64 IN TBL	~~5926~~	F10 B06	90G
MILL HORIZ 13 IN X 64 IN TBL	~~5930~~	F10 C04	90G
MILL HORIZ 13 IN X 64 IN TBL	~~5932~~	F10 C8	90G
MILL HORIZ 13 IN X 64 IN TBL	~~5934~~	F10 B06	90G
MILL HORIZ 13 IN X 64 IN TBL	~~5936~~	F10 B04	90G
MILL HORIZ 21 IN X 50 IN TBL	~~5942~~	F10 B8-9	90G
MILL VERT 96" X 119" TBL	*5954	F10 B03	90G
N/C MACHINING CENTER EB	*608818	F20 C02	90G
DRILL 24" X 48" TBL 3/8" CAP 3 SPD	~~6469~~	F20 C11	90G
GEAR SHAPER 6 IN DIA X 1 IN FACE	*6762	F10 B20	90G
MILL HORIZ 13 IN X 64 IN TBL	~~686~~	F10 C02	90G
SCREW MACHINE AUTO 1.5 IN BAR CAP	*7358	F20 D19	90G
LATHE ENGINE 28 IN SW X 96 IN CC	~~74~~	F Z15	90G
GEAR SHAPER 18 IN DIA X 5 IN FACE	*7668	F10 B20	90G
GEAR SHAPER 36 IN DIA X 6 IN FACE	*7672	F10 B20	90G
SHAPER VERTICAL 20 INCH ROTARY TBL	~~7675~~	F10 B06	90G
MEASURING MACH 80 IN CAP	*813428	F5 GAGE ROOM	90G
DRILL 22" X 48" TBL 7/8" CAP 2 SPD	*861	F B20	90G
LATHE TURRET 1.5" BAR CAP X 15" SW	*9142	F20 D20	90G
LATHE ENGINE N/C 20" SW X 54" CC	*964	F20 C17	90G
SCREW MACHINE AUTO 1.0 IN BAR CAP	~~9765~~	F30 D19	90G
VERTICAL TURRET LATHE CNC	*045966		

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90G IS EQUAL TO 313

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EQUIPMENT LIST FOR COST CENTER 90M

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
ROCKET MOTOR X-RAY FACILITY		G30 D11	90M
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105067	G20 D10	90M
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105069	G30 D17	90M
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105073	G20 D12	90M
DRILL RADIAL 4 FT ARM 13 IN COLUMN	*105084	G20 D10	90M
DRILL 22" X 36" TBL 7/8" CAP 1 SPD	*106260	G30 D18	90M
MILL HORIZ BORING 4.0 IN SPDL	*114519	G20 D14	90M
PLANER WOOD 16 IN X 96 IN TBL	~~121~~	G LNT4	90M
ROLL FLOW MACH, VERT	*17537	G10 C06	90M
FURNACE ELECT 15 IN X 15 IN X 24 I	*1792	G10 B13	90M
FURNACE 24 IN X 48 IN X 24 IN	*1812	G10 C16	90M
LATHE ENGINE N/C 24" SW X 72" CC	*1861	G30 D19	90M
FREEZER WEBBER 0 TO -100 DEG F	*24351	G10 C2	90M
LATHE ENGINE N/C 32" SW X 120" CC	*2508	G20 D05	90M
FURNACE 22 IN DIA X 26 IN DEEP	*272	G10 C11	90M
FURNACE 22 IN DIA X 26 IN DEEP	*278	G10 C11	90M
MILL HORIZ BORING 5.0 IN SPDL	*2842	G20 D13	90M
GRINDER OSC SURF 12 IN X 36 IN TBL	*310380	G20 D10	90M
BENCH GRINDER	*3525	G30 D16	90M
FURNACE INDUCT HARDEN	*3918	G10 C16	90M
DRILL 21" X 46" TBL 7/8" CAP 1 SPD	*40134	G20 D10	90M
DISPATCH OVEN	*40163	G30 E14	90M
LATHE ENGINE 24 IN SW X 72 IN CC	*401979	G30 D19	90M
LATHE ENGINE 21 IN SW X 78 IN CC	*40342	G20 D4	90M
DRILL 14" X 22" TBL 1.0 " CAP	*40343	G30 D18	90M
MAGNAFLUX MAGNETIZE 3000 AMP	*40566	G20 C13	90M
ARC WELDER 300 AMPS	*41020	G	90M
WELDING POSITIONER 36 IN DIA TBL	*41066	G E16	90M
ARC WELDER 300 AMPS	*41111	G30 D15	90M
ARC WELDER 300 AMPS	*41114	G30 E14	90M
ARC WELDER 300 AMPS	~~41116~~	G30 D03	90M
ARC WELDER 300 AMPS	*41117	G30 E14	90M
FURNACE 48 IN DIA X 60 IN HIGH	*41126	G10 C10	90M
LATHE ENGINE 36 IN SW X 204 IN CC	*41170	G20 C11	90M
OVEN, ELECT, 16 FT X 16 FT	*41185	G10 C15	90M
SAW CONTOUR 36" THROAT X 16" HIGH	~~41240~~	G30 D03	90M
SPINFORM VERT 72" DIA X 72" LONG	*41281	G10 B02	90M
FURNACE 48 IN X 48 IN X 42 IN	*41310	G10 B11	90M
EXPANDING MACHINE 74 IN DIA	*41330	G10 C03	90M
MAGNETIC PARTICLE INSP 3000 AMPS	*41433	G20 C17	90M
SAND BLAST 36 IN X 156 IN X 78 IN	*41440	G10 B09	90M
WELDING POSITIONER 24 IN DIA TABLE	*41475	G30 D2	90M
FURNACE ELECT GANTRY 48 IN	*41499	G10 B20	90M
BREAK, HAND, 12 GA X 8 FT.STEEL	*41515	G30 D2	90M
MAGNAFLUX DEMAGNETIZE 85 AMP	*41524	G10 C17	90M
PUNCH PRESS 18" THROAT 3/16" STR	*41552	G30 D2	90M
LATHE ENGINE N/C 32" SW X 96" CC	*41590	G20 C06	90M
SPINFORM HORZ 42"DX50"L (RETRO-86)	*41592	G10 B04	90M

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EQUIPMENT LIST FOR COST CENTER 90M

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
FURNACE 48 IN X 72 IN X 84 IN	*41633	G10 B07	90M
SURFACE PLATE 48 IN X 120 IN TBL	*41958	G20 C14	90M
SPINFORM VERT 72" DIA X 72" LONG	*42140	G10 C04	90M
SAW POWER CUTOFF 12" X 15" RECT	*42155	G20 D02	90M
THREAD MACH 1/8-2" PIPE	*42195	G30 D5	90M
VACU-BLAST 48 IN X 36 IN X 36 IN	*42197	G10 B08	90M
FURNACE ELECT 30 IN DIA 72 IN DEEP	*42204	G10 C08	90M
LATHE ENGINE N/C 27" SW X 96" CC	*42268	G20 C03	90M
LATHE ENGINE 25 IN SW X 120 IN CC	*42269	G20 D03	90M
LATHE ENGINE 25 IN SW X 120 IN CC	*42271	G20 D02	90M
LATHE TURRET N/C 6 IN BAR CAP	*42282	G20 C06	90M
BALL VALVE LAPPER	*426	G30 D18	90M
LATHE ENGINE 41 IN SW X 108 IN CC	*42893	G20 C02	90M
FURNACE 84 IN DIA X 98 IN HIGH	*42932	G10 B16	90M
FURNACE GAS 2000 DEG F 2X4X2 FT	*42933	G10 B15	90M
FURNACE INDUCT HARDEN 48" X 156"	*42935	G10 C15	90M
FURNACE 28 IN X 28 IN X 48 IN	*42975	G10 C09	90M
SAW POWER C/O 10" WHEEL 2.5" CAP	*43396	BLDG 56	90M
OVEN, WALK-IN, 650 DEG F	*43421	G30 E18	90M
FURNACE HEARTH 6 SQ FT X 36 IN HGT	*43464	G10 C12	90M
MILL VERT BORING 30" SW X 36" TBL	*43475	G30 E16	90M
LINDE RING WELDER POWER SUPPLY	*43476	G20 E15	90M
GENERATOR ATMOSPHERE 3000 CUFT MIN	*43480	G10 B10	90M
LATHE TURRET N/C 4 AXIS	*43497	G20 C07	90M
OVEN 37" X 19" X 25" 650 DEG F	*43997	G30 E18	90M
DEGREASER 4 FT X 3 FT X 4 FT	*44027	G10 B03	90M
ARC WELDER 400 AMPS	~~44039~~	G30 E3-4	90M
DRIER INFRARED PORTABLE 44 X 36 IN	*44065	G	90M
BLAST CLEAN & FINISHING MACHINE	*44070	G30 D17	90M
COOLER, WALK-IN, 20 DEG F	*44078	G30 D16	90M
DEGREASER 14 FT X 4 FT X 4 FT	*44120	G20 C17	90M
PHILLIPS STILL	*44173	G10 B2	90M
SPRAY UNIT, EPOXY POWDER	*44193	G30 E19	90M
HARD TEST MACH ROCKWELL & BRINELL	*44206	G10 C10	90M
DUST COLLECTOR, TABLE TYPE	*44216	G30 E18	90M
N/C TURN MACH 15 IN SPDL 33 IN CC	*44273	G20 C08	90M
N/C TURN MACH 15 IN SPDL 33 IN CC	*44274	G20 C09	90M
DISINTEGRATOR METAL 30" X 31" TBL	*44367	G20 D9	90M
SURFACE PLATE 72 IN X 144 IN TBL	*4438	G20 C14	90M
LATHE ENGINE 20 IN SW X 112 IN CC	*44389	G20 D04	90M
FURNACE 84 IN DIA X 96 IN HIGH	*44396	G10 B16	90M
VACU-BLAST 48 IN X 36 IN X 36 IN	*44406	G10 B7	90M
N/C MACH CTR 80" X, 30" Y, 25" Z	*44444	G20 C10	90M
ARC WELDER 225 AMP	*44446	G30 E2	90M
THREAD MACHINE, PIPE 2.5 IN DIA	~~44451~~	G30 D01	90M
SHEAR 3/8" WK THK, 10' WIDE	~~44452~~	G30 E03	90M
LATHE ENGINE 25 IN SW X 120 IN CC	*44457	G20 D07	90M
HARDNESS TESTER	*44473	G30 E16	90M

EQUIPMENT LIST FOR COST CENTER 90M

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
FURNACE, ELECT, 1200 DEG F	44480	G10 C10	90M
BRAKE, HAND, 12 GA X 8 FT STEEL	~~44608~~	G30 E02	90M
ROLL 12 GA THICK X 48 IN WIDE	~~44612~~	G30 E03	90M
DRILL UPRIGHT, ROUND COLUMN 1 1/2"	~~44613~~	G30 D03	90M
PUNCH PRESS 1-1/6"D 58 TON	~~44615~~	G30 G03	90M
PLASMA ARC WELD EQUIPMENT	44625	G30 D14	90M
CONWAY PRESS, POWER THUMB	~~44636~~	G30 OSW	90M
CENTRIFUGE FILTER SYSTEM	45045	G10 S	90M
LATHE ENGINE N/C 32" SW X 120" CC	45051	G20 D06	90M
BRAKE, HAND, 4 FT BREAK	~~45053~~	G30 E02	90M
CNC MACH CTR 4 AXIS (SEE NOTE 1)	45441	G20 C04	90M
ELECTRON BEAM WELDER, CNC	45455	G30 D14	90M
CNC MILL, VERT, FOUR AXIS (SEE NOTE 1)	45457	G20 D09	90M
CNC MILL, VERT, FOUR AXIS	45458	G20 D10	90M
WELDING SYSTEM, TIG, 500 AMP	45459	G20 D8-9	90M
INDUCTION HEATING SYSTEM	45462	G20 C15	90M
HYDRAULIC SHRINK MACHINE	45465	G10 C07	90M
500 GALLON ARGON TANK	45881	G EAST APRON	90M
OVEN, MAX TEMP650 DEG F	45958	G20 C16	90M
BLAST CLEAN MACHINE	45961	G	90M
BLAST CLEANING MACHINE	45969	G10 B7/9	90M
150 KV X-RAY SYSTEM	45970	G30 D10/11	90M
X-RAY FILM PROCESSOR	45970A	G30 D10/11	90M
WELDER	46205	G30 E15	90M
WELDER	46206	G30 E14	90M
WELDER	46207	G30 E15	90M
WELDER	46208	G30 E15	90M
INDUCTION GEAR SCANNER	46218	G10 C07	90M
HOT WATER WASHER FOR ROCKET MOTORS	46219	G10 B03	90M
SURFACE PLATE 48 IN X 144 IN TBL	4971	G20 C15	90M
MAGNETIC PARTICLE INSP 4500 AMPS	5346	G10 C17	90M
DRILL 24" X 44" TBL 7/8" CAP	6471	G30 D3	90M
ROCKET MOTOT HYDRO TEST	6627	G20 D16	90M
MK75 STAND (MAINTENANCE'S MEZZANINE)	~~MK75 TEST 5~~	G30 D8-9	90M

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90M IS EQUAL TO 130

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NOTE 1: For these two particular 4 Axis Machines, NSY, Norfolk indicated that they did not posess duplicate resources that could be dedicated to the Rocket Motor Case Production Program.

EQUIPMENT LIST FOR COST CENTER 305

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
DRILL 22" X 46" TBL 7/8" CAP 2 SPD	~~12029~~	L R7	305
GRINDER OSC SURF 8 IN X 24 IN TBL	~~17787~~	L B17	305
MILL HORIZ 14 IN X 64 IN TBL	~~313429~~	L30 C15	305
LATHE ENGINE 16 IN SW X 54 IN CC	~~40040~~	L B15	305
SAW CONTOUR 35" THROAT X 20" HIGH	~~40191~~	L10 C15	305
SAW POWER C/O 10" X 10" STOCK CAP	~~40208~~	L40 N03	305
DRILL RADIAL 5 FT ARM 15 IN COLUMN	~~40381~~	L40 N03	305
MILL UNIVERSAL 9 IN X 34 IN TBL	~~40917~~	L20 B15	305
DEGREASER 24 IN X 18 IN X 18 IN	*41094	L S16	305
SAW 35" THROAT 19" HGT WHEEL	~~41523~~	L30 S	305
DEGREASER 14 FT X 4 FT X 4 FT	*42151	L U20-21	305
THREAD MACH 1/8-2" PIPE 1/4-2" BOL	~~42160~~	L30 N03	305
✓ CLEANER INSTRU 34IN X 22IN X 46IN	*42294	L BC16	305
OVEN INSTRU 72 IN X 51 IN X 48 IN	~~42295~~	L40 C01	305
STRAIGHT PRESS 75 TON 10" STROKE	~~42807~~	L QR7	305
SAW WOOD 18" DIA BLADE	~~42868~~	L SHIP	305
SAW BAND 36" X 36" TBL 36" DIA WHL	~~42870~~	L SHIP	305
ARC WELDER 300 AMPS	~~42888~~	L L12	305
✓ DEGREASER ELECT LAB TYPE	*44187	L S16	305
✓ DEGREASER ELECT LAB TYPE	*44188	L Q18	305
DEGREASER ELECT LAB TYPE	*44189	LR18	305
DYNO ABSORP TESTS TO 50 HP	*44260	L LN07	305
WASH HOT WATER 2000PSI 4.6 GPM GAS	*44395	L30 N03	305
✓ PC BOARD CLEANING SYSTEM AUTOMATIC	*44472	L40 M16	305
✓ DYNAMOTER, 600 HP, ABSORPTION	*45060	L20 N05	305
✓ BALANCING MACHINE, VARI-SPEED DR	*45061	L20 R07	305
✓ VAPOR DEGREASER, 168 X 48 X 72	*45070	L S07	305
WIRE MARK, CUT, AND STRIP MACH	*45461	L20 EF16	305
LATHE TURRET 1.5" BAR CAP X 21" SW	~~5016~~	L20 B15	305
DRILL 24" X 36" TBL 1 SPDL	~~50554~~	L30 HJ3	305
LATHE ENGINE 12 IN SW X 30 IN CC	~~5195~~	L10 B15	305
SAW CONTOUR 36" THROAT X 13" HIGH	~~7061~~	L40 B15	305
✓ L TEST 1	*L TEST 1	L B9	305
✓ L TEST 2	*L TEST 2	L P9	305
✓ RADAR TEST PLATFORM	*RADAR TEST	L NORTH	305

THE TOTAL NUMBER OF MACHINES IN COST CENTER 305 IS EQUAL TO 35

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EQUIPMENT LIST FOR COST CENTER 50

Building 102

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
✓ SALT SPRAY TANK (1ST ARTICLE TEST)	*19219	102 D11	50
DRILL PRESS, 1 SPND, TBL 18" x 24"	~~2889~~	102 D2	50
GRINDER, OSC. SURF. TABLE 6" x 12"	~~2908~~	102 D2	50
ARBOR PRESS, MANUAL	~~2912~~	102 D2	50
POLISHER	~~3226~~	102 D2	50
BENCH LATHE	~~3580~~	102 D 1-2	50
VERTICAL BAND SAW	~~3582~~	102	50
BENCH TYPE PAINT BOOTH	~~3609~~	102 D 1-2	50
DISINTEGRATOR METAL 20" X 30" TBL	~~41521~~	102 D2	50
MILL, VERTICAL 9 IN X 42 IN TBL	~~45914~~	102	50
DEGREASER, VAPOR, 3' x 7' x 5'	~~45950~~	102 D2	50
VACU-BLAST	~~45962~~	102	50
✓ OIL PURIFIER, VACUUM	*46223	102 H3	50
✓ ENVIRONMENTAL CHAMBER(1ST ART. TEST)	*48198	102 D11	50
✓ VIBRATION TEST EQUIP(1ST ART. TEST)	*48199	102 D11	50

THE TOTAL NUMBER OF MACHINES IN COST CENTER 50 IS EQUAL TO 15

4

None

EQUIPMENT LIST FOR COST CENTER 90J

BUILDING 117

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
VAPOR DEGREASER, 12'L X 4'W, 4 ZONE	0471000	117, D2	90J
VAPOR DEGREASER, 5'L X 2.5'W X 2.5'D	0471010	117	90J
VAPOR DEGREASER, 12'L X 4'W, 4 ZONE	0471020	117, F1	90J
VAPOR DEGREASER, 12'L X 4'W, 4 ZONE	0471030	117, C1	90J
CHROME PLATE, 8'L X 3'W X 4.5'D	047104	117	90J
T106	047106	117	90J
T110	047110	117	90J
T112	047112	117	90J
T114	047114	117	90J
T116	047116	117	90J
T118	047118	117	90J
T120/122	047120/122	117	90J
T124	047124	117	90J
T125/127	047125/127	117	90J
T128	047128	117	90J
T200	047200	117	90J
T201	047201	117	90J
T204	047204	117	90J
T205	047205	117	90J
T208	047208	117	90J
T209	047209	117	90J
T210	047210	117	90J
T214	047214	117	90J
T215/216	047215/216	117	90J
T217	047217	117	90J
T218	047218	117	90J
T220	047220	117	90J
T222	047222	117	90J
T223	047223	117	90J
T224	047224	117	90J
T228	047228	117	90J
T229	047229	117	90J
T230	047230	117	90J
T232	047232	117	90J
T236	047236	117	90J
T238	047238	117	90J
T240	047240	117	90J
T260	047260	117	90J
T276	047276	117	90J
T300	047300	117	90J
T304	047304	117	90J
T306	047306	117	90J
T308	047308	117	90J
T310/311	047310/311	117	90J
T320	047320	117	90J
T322/323	047322/323	117	90J
T330	047330	117	90J
T332/333	047332/333	117	90J

PLATING TANKS (T)

NONE

EQUIPMENT LIST FOR COST CENTER 90J

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
T340	047340	117	90J
T342/343	047342/343	117	90J
T346	047346	117	90J
T348/349	047348/349	117	90J
T350	047350	117	90J
T352	047352	117	90J
T354	047354	117	90J
T356/358	047356/358	117	90J
T360	047360	117	90J
T362/362	047362/362	117	90J
T366	047366	117	90J
T368/369	047368/369	117	90J
T370	047370	117	90J
T376	047376	117	90J
T378	047378	117	90J
T380	047380	117	90J
T381	047381	117	90J
T388	047388	117	90J
T390/391	047390/391	117	90J
T402	047402	117	90J
T406	047406	117	90J
T408	047408	117	90J
T410	047410	117	90J
T412	047412	117	90J
T414	047414	117	90J
T416	047416	117	90J
T418	047418	117	90J
T420/422	047420/422	117	90J
T424	047424	117	90J
T426	047426	117	90J
T428	047428	117	90J
T450	047450	117	90J
T452/454	047452/454	117	90J
T460	047460	117	90J
T462	047462	117	90J
T464	047464	117	90J
T502	047502	117	90J
T504	047504	117	90J
T506	047506	117	90J
T510	047510	117	90J
T512	047512	117	90J
T514	047514	117	90J
T515	047515	117	90J
T516	047516	117	90J
T520	047520	117	90J
T521/522	047521/522	117	90J
T528	047528	117	90J
T530	047530	117	90J

NONE

EQUIPMENT LIST FOR COST CENTER 90J

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
T538	047538	117	90J
T540	047540	117	90J
T542	047542	117	90J
T544	047544	117	90J
T548	047548	117	90J
T600	047600	117	90J
T602	047602	117	90J
T603	047603	117	90J
T606	047606	117	90J
T608	047608	117	90J
T610	047610	117	90J
T611	047611	117	90J
T614	047614	117	90J
T616	047616	117	90J
T617	047617	117	90J
T650	047650	117	90J
T652	047652	117	90J
T700	047700	117	90J
T702/704	047702/704	117	90J
T708	047708	117	90J
T710/712	047710/712	117	90J
T714	047714	117	90J
T716	047716	117	90J
T720/722	047720/722	117	90J
T724	047724	117	90J
T800	047800	117	90J
T805	047805	117	90J
T810	047810	117	90J
T812	047812	117	90J
T820	047820	117	90J
T822	047822	117	90J
T824	047824	117	90J
T826	047826	117	90J
T830	047830	117	90J
T832	047832	117	90J
T842	047842	117	90J
T850	047850	117	90J
T852	047852	117	90J
T860	047860	117	90J
T861	047861	117	90J
T862	047862	117	90J
T870	047870	117	90J
T872	047872	117	90J
T874	047874	117	90J
T876	047876	117	90J
T900	047900	117	90J
T902	047902	117	90J
T904	047904	117	90J

EQUIPMENT LIST FOR COST CENTER 90J

EQUIPMENT DESCRIPTION	NID NUMBERS	BUILDING/ COLUMN LOCATION	COST CENTER
T906	~~047906~~	117	90J
T908	~~047908~~	117	90J
TUMBLER 18 IN X 20 IN	~~110367~~	C30 E13	90J
OVEN ELECT, 54 IN X 9 FT X 6 FT	~~151770~~	L ST8	90J
ROTO SHOT 96 IN DIA TBL 42 IN HIG	*40758	D30 E11	90J
TUMBLER/VIBRATOR 6 CU FT	~~41229~~	C30 E13	90J
PAINTBOOTH 16 FT X 6 FT X 11 FT	~~41443~~	G20 C21	90J
OVEN 36IN X 20IN X 22IN 427 DEG F	~~41468~~	A30 E05	90J
FURNACE ELECT 15" X 12" X 8"	~~42236~~	G10 C10	90J
VACU-BLAST 48 IN X 30 IN X 36 IN	~~42267~~	L30 T09	90J
COATING MACHINE	*44106	G30 E19	90J
BLAST CLEAN RM 25'L X 22'W X 14'H	~~44191~~	D30 NE CORNER	90J
COATING MACHINE	*44192	G30 E19	90J
DRIER INFRARED PORT 24 KW	*44440	E LA22	90J
DRIER INFRARED PORT 24 KW	~~44441~~	E LA22	90J
SAND BLAST 55" W x 42" DP x 40" H	~~44450~~	C3 LNT 0	90J
AIR SYSTEM HIGH PRESSURE	*44601	G20 C21	90J
AIR SYSTEM HIGH PRESSURE	~~*44603~~	A	90J
SANDBLAST ROOM 37' X 35' X 22'	*44609	D30 E12	90J
OVEN, CAB, MAX TEMP 650 DEG F	*45956	G30 E18	90J
OVEN, CAB, MAX TEMP 650 DEG F	~~45957~~	G30 E19	90J
HOT PARTS WASHER, STEAM, TABLE	~~*46230~~ (Keep)	C30 E12	90J
HOT WATER PARTS WASHER, ELECTRIC	~~*46232~~ (Keep)	A30 E11	90J
A PAINT	~~1A PAINT~~	A	90J
CPAINT1	~~CPAINT~~1	C10 A19	90J
CPAINT2	~~CPAINT2~~	C10 A3	90J
CPAINT3	~~CPAINT~~3	C20 X2	90J
PAINT BOOTH	~~PAINT BOOTH~~	L	90J
PLASMA SPRAY AREA	~~PLASMA SPRA~~Y	117	90J
STEAMCLEAN	~~STEAMCLEAN~~	C10 SOUTH	90J

THE TOTAL NUMBER OF MACHINES IN COST CENTER 90J IS EQUAL TO 174

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TOTAL 253

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

ATTACHMENT 3

TO BRAC-95 SCENARIO DEVELOPMENT DATA CALL
2-14-0114-012 & 2-14-0117-013
Establish Special Support Functions Norfolk NSYD
Detailed Cost Breakdown
(2 Pages)

IN RESPONSE TO BSAT QUESTION 4.a. OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

The attached cost breakdown was added on 12/06/94 to support the response on page 3-3d of Enclosure (3)-A.

Detailed Breakdown of Additional Cost Requirements for Item #8 and #9 (K$)

Industrial Processes Support Facilities:	
Metallurgical composition & tensile test verification lab	0
Environmentally controlled inspection facilities	0
Grit, powder, and sand blast facilities	0
Paint booth facilities, adjacent to 3 separate bldgs 24K sqft	0
Paint storage and handling facilities to accommodate	0
polymers, solvents, epoxy, resins, etc. (OSHA)	
8,125 sqft building	
X-ray facilities	
2 million volt X-ray facility	874
Circumference x-ray of std missile rocket motor casings	250
2,914 sqft facility	
Outdoor new and used heat treat quench oil storage	0
facility with concrete, leak catch basins, visual	
shielding, spark and slag catch basins	
High frequency noise reduction for gas and plasma arc	0
cutting processes (OSHA)	
Special/Unique Utility Support Requirements	
Electrical mods for unique machines not in MILCON/Rehab	4,457
Separate circuits, voltage converters, isolation	
transformers, special grounding, high power supply	
High pressure/compressed air supply not at NSY Norfolk	750
Coolant filtration systems for machine tools	0
Gun Barrel plating line- 5 tanks 28'depth, 864 SF	3,510
Other plating processess needed but not available per site	13,200
visit at NSY Norfolk - passivation process, black oxide and	
tin, electorless nickel, manganese phosphate, anodize, etc.	
92 tanks, approx. 12k SF	
Chemical, fluid, solvent, and paint requirements	
Replenish plating shop chemicals not at NSY Norfolk	1,445
Replenish industrial waste water treatement facility	0
Replenish 500 gallon tanks not at NSY Norfolk, nitrogen for	585
heat treat furnaces, plasma/laser cutting, flame spray ,etc	
Replenishment of various/miscellaneous oils, solvents	254
chemicals, paint, etc.- Addl rqmts for NSY Norfolk	
Special pits and foundations	
1 Gantry Furnace (4 15-20' deep pits)	800
2 Bell Furnace Pits	100
2 Hydrospin Foundations	150
6 "B" Bldg Machine Foundations (300 tons each)	900
Heat Treat Furnaces and supporting facilities	
Car bottom furnaces	600
Zero Blast	300
Pangborne	300
Environmentally controlled work/test rqmts (OSHA). Work	0
area ventilation - for welding, paint, epoxy, etc. 7K SF	
Purchase and place in service critical equip where it is more	0
cost effective to purchase equip than to incur mission cost	
due to down time while moving equip; and more cost effect-	
than building up inventory to allow for time to move equip	
Create new NC programs 5,200x26hrs/programx$60/hr	8,112

Attachment 3

Manufacturing/Repair Technology Facility	3,967
Special equipment and facility requirements for process	
validation, reverse engineering, design, development,	
transition to production, prototyping, technical support,	
electronic data interchange, SLS access, etc..	
PARDS and PDES generation facility including CMMs	
Installation of 253 machine tools not those above	4,756
Replacement special tooling, fixtures rqd for use with NSY	32,962
Hydraulics overhaul Shop	1,072
"Secured" Small Arms Manufacturing Shop	58
Total	78272
0's indicate where NSY Norfolk stated they already have	
* Artificially lowered to meet agreed to bottom line number	

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	NSY NORFOLK

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: NSY NORFOLK

	Cost	FY	Location	Description
1.	None			No impact on local community

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: NSY Norfolk

	Cost($K)	Note	FY	Description
1.	81		99	Environmental permits at receiving site
2.	825	#3	99	Installation of capital equipment
3.	2,587	#7	98	Certification of production processes & personnel
4.	5,250	#7	99	Certification of production processes & personnel
5.	4,618	#7	00	Certification of production processes & personnel
6.	600	#4	99	Installation of jib cranes in facilities
7.	0	#5	98	Additional capital equipment maintenance
8.	25,000	#9	98	Establish special support functions Norfolk NSYD
9.	25,000	#9	99	Establish special support functions Norfolk NSYD
10.	500		97	Increase operational computer equipment/software
11.	6,000	#6	96	TRS development at Norfolk NSYD
12.	6,000	#6	97	TRS development at Norfolk NSYD
13.	3,000	#6	98	TRS development at Norfolk NSYD
14.	3,000	#6	99	TRS development at Norfolk NSYD
15.	0	#3	96	CIWS, Pneumatic Test Facility (equipment only)
16.	0	#1	96	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
17.	0	#1	97	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
18.	0	#1	98	CIWS - Consolidated Automated Support System for Analog and Digital Assemblies
19.	0	#1	96	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
20.	0	#1	97	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
21.	0	#1	98	CIWS - Consolidated Automated Support Systems for RF/IF Assemblies
22.	500	#1	96	CIWS - System Modernization/Upgrade/Overhaul Equipment
23.	400	#1	97	CIWS - System Modernization/Upgrade/Overhaul Equipment
24.	0	#1	98	CIWS - System Modernization/Upgrade/Overhaul Equipment
25.	490		96	CIWS - Environmental Test Facilities (setting up and equipment)
26.	750	#1	98	CIWS - Certification of all test systems and test programs

27.	130	#2	98	Additional engineering support for depot set-up (electronic based technology)
28.	65	#2	99	Additional engineering support for depot set-up (electronic based technology)
29.	7,913	#8	97	Retraining of Norfolk NSYD Workforce to Accommodate Current NSWC Systems

Note 1: Items were decreased due to moving CIWS in lieu of replication.

Items 22 thru 23 - This is not an overhaul of equipment. This is the cost of the equipment necessary to support bringing the overhaul facility equipment back on-line after reinstallation at the Gaining facility to account for damage and/or failure resulting from tear-down, packing, shipment and/or reinstallation. These items are principally for materials which are not carried in the supply system.

Item 25 - This is not an overhaul of equipment. This is the purchase of equipment necessary to meet the environmental testing requirements for items manufactured incidental to the overhaul of CIWS systems. The requirements are spelled out in the technical data package and in PEO(TAD) OD59248E. The existing equipment at NSWC, Louisville will go with the ISEA since it is also required for their vendor qualification requirements. There are three pieces of equipment required: The shock/vibration equipment is estimated to cost $350K in FY94 dollars. The salt fog equipment is estimated to cost $15K and the temperature/humidity chamber was estimated to cost $25K but that estimate is probably too low since chambers that use chlorinated fluorocarbons can no longer be purchased for use at Navy installations. The additional $100K is for minor construction type costs to set-up and facilitize the environmental test equipment.

Item 26 - This is not an overhaul of equipment. All test systems and test procedures that are used for acceptance testing of CIWS items must be certified by the ISEA in accordance with PEO (TAD) OD59248E and OD32133 (certification is required anytime the test systems are relocated, the test system is modified, the test procedures are modified, or if there is a major change in the manufacturing process instructions). This requires the certification of 24 major test systems and over seven hundred test procedures (includes both test program sets and production test procedures). Certification involves test and test operator demonstrations, test system and test procedures, configuration control procedures, and documentation control procedures. It is estimated to require an average of approximately twenty hours of a combination of production personnel, production engineering personnel, and ISEA personnel time to perform the certification for each test procedure. The certification of each test system is estimated to average approximately fifty hours each. The actual total cost will depend upon the hourly rates of the personnel involved and travel required (for the ISEA personnel).

IN RESPONSE TO BSAT QUESTION 4.b. OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

The costs identified for items #22 and 23 are a very conservative estimate of the costs which will be realized as a result of moving the CIWS depot. Existing within the test systems/sets/stations/equipment are 2594 instruments used for the CIWS depot workload. Using a conservative projection of 1% (26 of the instruments) requiring return to the vendor for repair (assuming that the vendor still supports these instruments), and the labor

costs associated with identifying the defective instrument, preparing the instrument for shipment to the vendor, recalibration upon return from the vendor, reinstalling the instrument into the test system and performing the operational checkout of the test system will result in the following costs:

26 instruments x $1000 average cost to repair the instrument at vendor	= $26,000
24 hours to effect each repair of test system x 26 repairs x $57.48/Hour	= $35,868
	$61,868

Due to the history associated with some of the critical instrumentation used in the test systems, the age of the instrumentation (the instrumentation used in the analog and RF test systems are over ten years old) and the limited or nonavailability of spare instruments, it was projected that one (1) of the 2597 instruments would not be repairable by either NSWC, Louisville personnel or by the vendor of the instrument and would require replacement with a different instrument. The average replacement cost of the test instrumentation is approximately $5,000.

To enable the depot to continue to modernize/upgrade/overhaul any CIWS systems, the test programs used for the acceptance testing of the CIWS system, assemblies, subassemblies or components within the CIWS system would have to be revised. A Test Program is correctly identified as a Test Program Set (TPS) which consists of the documentation, the test software and the interface hardware. The costs associated with the revision of 30 of these TPSs (the number of TPSs affected could be over 100 and would increase the projected cost. Based on the experience of the production engineers that support the test systems, it is projected that the average number of test programs which would be affected by any one instrument would average 30 acceptance test programs) was estimated as follows:

30 TPSs requiring revision x 10 weeks to revise the test software x 40 hours per week x $68.97 per hour = $827,640

In addition there would be a cost to certify the 30 new Test Program Sets. The cost to perform this certification was projected as follows:

5 hours per TPSs x 30 TPSs x $68.97 per hour = $10,346

The sum of these costs is $904,854.

The following assumptions were made for costs associated with the revision of the TPSs:

1) Engineers are available to perform the work
2) The engineers are knowledgeable with both the CIWS system and with the development of test software.
3) The test systems would be available to perform and proof the changes. This will conflict with the use of these test systems for depot workload.

The costs associated with the following were not calculated:

1) The cost impact associated with not being able to accomplish the acceptance testing and obtaining

these items from the supply system (assumes parts are in the supply system).

2) The cost of not meeting shipping schedules if CIWS system schedules are not realized.

Note 2: Items were added due to moving CIWS in lieu of replication.

Items 27 and 28 - The establishment of the depot capability will require engineering support by the ISEA incident to the relocation. This support is estimated at approximately one and a quarter workyears of effort plus travel and per diem. There are several key technical areas covered by this effort and the most significant is the establishment of the weapon system test range for final acceptance testing of the CIWS weapon systems. Others are modular test and repair, high pressure pneumatic, high voltage test, and system integration.

Calculations:
FY98 = ($67/Hr) x (8Hrs/Day) x (30 days) x (6 personnel) + $33,520 (travel costs) = $130K
FY99 = ($69/Hr) x (8Hrs/Day) x (30 days) x (3 personnel) + $15,320 (travel costs) = $65K

Note 3: Items #2 and #15 were combined and reduced.

Note 4: Item #6 was changed to installation of jib cranes reutilized from Louisville. In the previous cost estimate for cranes at NSY Norfolk, the number of cranes identified were to support the new construction (MILCON) of 300,000 sq. ft. This was developed based on the exisitng cranes required to support three 100,000 sq. ft. facilities at NSWC, Louisville. Since this was for new construction MILCON, existing assets at NSY Norfolk were not accounted for in this estimate.

It was agreed that the jib cranes would be removed from NSWC, Louisville and reutilized at NSY Norfolk for an estimated installation cost of $600K. The large bridge cranes are now included in NSY Norfolk's estimated MILCONs, page 3-9 of enclosure (3)-A.

Note 5: Item #7 is no longer required.

Note 6: Cost of TRS development was reduced by the gaining site.

The specific method for calculating cost for TRS(IPD) is as follows:

TRS(IPD) = (4,147 IPD) x (10 Procedures/IPD) x (50 Hrs/Procedure) x ($60/Hr)
= $124,441,000

NNSY TRS (IPD) = .65 x $124,441,000
= $81,235,000

Assumptions: Since NSWC, Louisville has Industrial Process Documentation (IPD) to provide to NSY Norfolk as "source data" for the development of TRS(IPD), it was assumed that the total cost requirement could be reduced by 35% (the initial engineering/planner actions). This reduction resulted in an estimated cost of $81,235,000 for NSY Norfolk to develop TRS(IPD) and was spread over 4 year in Scenarios 012 and 013.

Source of mathematical factors: Interviews with NSWC, Louisville engineers, project managers, planners, process writers and industrial specialists provided the following factors for the above calculations.

1. 4,147 pieces of IPD required to be made site specific for NSY Norfolk.
2. Each piece of IPD is comprised of an average of 10 procedures.
3. Each procedure requires an average of 50 labor hours to develop.

Note 7: Processes/Equipment required to be certified were provided as Enclosure (6) in the NSWC, Louisville response to BSAT questions of 29 November 1994 for BRAC 95 Scenario Development Data Calls 2-14-0114-012 and 2-14-0117-013. Due to the size of the enclosure, it is not being resubmitted at this time.

NAVSEA T0300-AM-ORD-010, Quality System Requirements and Methods for Navy Weapons and Combat Systems describes process and personnel certification requirements for operations/processes which require specialized skills for the accomplishment of specific tasks or operations. Specialized skills/processes/operations include: plating, painting, welding, non-destructive testing (NDT), heat treat, plasma spray, mercury free, subsafe, solderification and ESD (Electro-Static Discharge). Depot overhaul of major equipments and Depot Level Repairables (DLRs) must be recertified for the personnel, methods, equipment and facilities of the Gaining Activity.

All CIWS test systems and test procedures that are used for acceptance testing of CIWS items must be certified by the ISEA in accordance with PEO (TAD) OD59248D (PHALANX MK 15 Close-in Weapon System (CIWS) General Specification Life-Cycle Product Assurance Program Requirements) and OD32133 (certification is required anytime the test systems are relocated, the test system is modified, the test procedures are modified, or if there is a major change in the manufacturing process instructions). ISE responsibilities include the initial establishment of Depot Facilities at activities who have received depot designation from the JDMAG. The ISE is also responsible for certification and validation of those activities so designated. This process ensures that facilities, control processes and personnel are qualified to perform the depot functions.

NSWC, Port Hueneme ISE, requires that all depot work performed on weapon systems under their cognizance to be certified in accordance with NAVSEA T0300-AM-ORD-010, Quality System Requirements and Methods for Navy Weapons and Combat Systems. This includes certification of all Industrial Process Documentation used on those weapon systems.

Note 8: Item provided by NSY Norfolk.

IN RESPONSE TO BSAT QUESTION 4.c. OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

The training cost calculations were provided by NSY Norfolk and are provided below:

"TRAINING REQUIRED FOR NNSY EMPLOYEES TO PERFORM LOUISVILLE PROCESSES"

Formal Training		On the Job Training		TOTAL
153	# of People	153	# of People	
10	Weeks	20	Weeks	
$1,530		$3,060		
40	40 Hrs/week	40	40 Hrs/week	
$61,200		$122,400		
$65	OSD Labor Rate	$65	OSD Labor rate	
$3,956,580		$7,913,160		
1	100% training	0.50	50% EFFICIENT DURING ON THE JOB TRAINING	
$3,956,580		$3,956,580		$7,913,160

Of the 321 personnel that will perform work from NSWC, Louisville, 153 will require formal and on the job training. The training costs for these are listed above. Others have common skills such as Painters, Welders, Machinists and no retraining is required."

IN RESPONSE TO BSAT QUESTION 4.a. OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

Note 9: See Attachment (3) for spreadsheet of detailed breakdown of additional cost requirements for items #8 and 9.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSY NORFOLK

	Cost	FY	Description
1.	None identified.		

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSY NORFOLK

	Annual Savings	FY	Description
1.	None identified.		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: NSY NORFOLK

	Cost	No. of Acres	FY	Description
1.	None required.			

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSY NORFOLK

	Annual Savings	FY	Description
1.	None identified.		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: NSY NORFOLK

	Cost	No. of Acres	FY	Description
1.	None required.			

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: NSY NORFOLK								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	6,990	14,813	31,467	34,821	4,618	0	92,709
b.	One-Time Unique Savings	0	0	0	0	0	0	0
c.	Environ. Mitigation	0	0	0	0	0	0	0
d.	Misc. Recurring Costs	0	0	0	0	0	0	0
e.	Misc. Recurring Savings	0	0	0	0	0	0	0
f.	Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

IN RESPONSE TO BSAT QUESTION #1 (e) OF 11/28/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

Scenario 3-20-0202-028 to transfer all work to NSWC, Crane used the rationale that the CIWS depot overhaul Automated Test Equipment and Facility would be **moved** to NSWC, Crane by increasing production in order to shut down for a period while the transition is being implemented. Scenarios 2-14-0114-012 and 2-14-0117-013 transferred all work to NSY Norfolk by assuming that the CIWS depot overhaul Automated Test Equipment and Facility **would be replicated** so that there would be no break in fleet support and readiness. Scenarios (012 and 013) were resubmitted on 28 November 1994 to eliminate the need for replication of the CIWS depot overhaul Automated Test Equipment and Facility, and the "one-time unique costs", pages 3-2 and 3-3 of enclosure (3)-A, have been adjusted accordingly. In addition the MILCON requirements on page 3-9 of enclosure (3)-A have been increased. Enclosure (2), page 2-37 and 2-37a now reflect an increase to accommodate a change in this transition rationale.

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.

- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.

- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description of the requirement in the "Comment" column of the table.

- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

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ENCLOSURE (3) - GAINING BASE QUESTIONS

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

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Enclosure (3)

Table 3-B: MILCON Requirements

Gaining Base Name: **NSY NORFOLK**

Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)			
Berthing (FB)			
Air Maintenance (SF)			
Other Operations (SF)			
Administrative (SF)			
Training (SF)			
Maintenance (SF)			
Bachelor Quarters (SF)			
Supply/Storage (SF)	* 100,000		Special requirements: high bay, air conditioned space.
Dining Facilities (SF)			
Personnel Support (SF)			
Communications (SF)			
Ship Maintenance (SF)	* 300,000		Special requirements: clean room, test stands, rocket motor slab, high pressure air, 4 75-ton bridge cranes, 16 20-ton bridge cranes. Work area must be high bay and air conditioned. Costs of installation of 80 jib cranes reutilized from Louisville facility included in Table 3-A. a. (2) above.
RDT&E (SF)			
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			
Environmental	$	$	
Other: -	$	$	

* - See next page

IN RESPONSE TO BSAT QUESTION 5 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

* Even though the amount of equipment required is much lower, the amount of supply material to accomplish the depot level overhauls has not been changed. There is no revised number for square footage space required by NSY Norfolk and the rationale is provided below:

NSY Norfolk indicated that the 400K Sq. Ft. (100K Supply/Storage, and 300K Assembly space) would be required in addition to any space required for the machines transferred. NSY Norfolk Public Works personnel analyzed the projected space requirements provided by NSWC, Louisville and adjusted them down based on existing facilities utilization information. The 400K Sq. Ft. consists of 100K Sq. Ft. that is required to house the support equipment (spares) being transferred from NSWC, Louisville to support the 300K Sq. Ft. for repair and overhaul of the product lines (CIWS, 5" MK 45 Gun Mounts and 76mm MK 75 Gun Mounts) being transferred from NSWC, Louisville. NSY Norfolk indicated that existing shipyard available space will be used to absorb the 253 machines and to support the repair and overhaul of the remaining product lines.

On 6 December 1994, NSY Norfolk stated the following: "NSY Norfolk examined NSWC, Louisville's Basic Facility Requirements (BFRs) from the shore facilities planning system from the 92 BFR Master Plan and present BFR. Due to reductions in workload, we reduced the BFR to a total of 400,000 Sq. Ft. The CIWS needs a separate 232,000 Sq. Ft. due to **stand alone** product line requirements. Other NSWC, Louisville product lines were also included in this 400,000 Sq. Ft. Other NSWC, Louisville product lines were not included in the excess space at NSY Norfolk, because the 200,000 Sq. Ft. of excess space at NSY Norfolk was already being used to absorb functions from NSWC, Crane. Both scenarios for NSWC, Louisville also included moving work from NSWC, Crane to NSY Norfolk."

Table 3-B: MILCON Requirements

Gaining Base Name: Norfolk Naval Shipyard			
Category (Unit)	New Construction Requirements	Rehabilitation Requirements	Comment
Horizontal (SY)			
Berthing (FB)			
Air Maintenance (SF)			
Other Operations (SF)			
Administrative (SF)			
Training (SF)			
Maintenance (SF)			
Bachelor Quarters (SF)			
Supply/Storage (SF)	0	37,000 30,000	CIWS: No special requirements. Special requirements for Guns, Rocket Motors, etc.: Special requirements include high bay storage. High bays already present in targeted building. K
Dining Facilities (SF)			
Personnel Support (SF)			
Communications (SF)			
Ship Maintenance (SF)	0	100,000 100,000	Special requirements for Guns, Rocket Motors, etc.: clean room, test stands, rocket motor slab, high pressure air, 75-ton bridge crane. Work area must be high bay; targeted building already has high bay area. Renovation of Production Facilities to Incorporate CIWS is estimated at $2,000,000 Note 1 K
RDT&E (SF)			
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			

Environmental	$	$	
Other: - -	$ $	$ $	

Note:

1 The total CIWS facility requirement of 235,000 sf of space is delineated as:
(a) Storage, 115,000 sf–37,000 sf requires rehabilitation; 78,000 sf requires no rehabilitation/reconfiguration,
(b) Production/Ships Maintenance, totaling 120,000 sf. No reconfiguration or upgrades required for 20,000 sf to accommodate module repairs. The remaining 100,000 sf can undergo rehabilitation/reconfiguration for an estimated cost of $2,000,000. This will provide for the renovation of space for current Norfolk NSYD equipment which must be moved, as well as some slight power upgrades and minor reconfiguration of current production shop spaces to accommodate the CIWS product line.

(C) THESE MILCON REQUIREMENTS ARE BASED ON THE PREMISE THAT NO DEPOT WORK WILL TRANSFER FROM NSWC CRANE.

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SCENARIO NUMBER 2-14-0114-012, ALT 2 - Shipyards (Revision Seven)

NORFOLK NAVAL SHIPYARD
(Realigns NSWC Louisville sea systems work to Norfolk Naval Shipyard. This revision documents the facility requirements resulting from the reappraisal of the configuration of the CIWS product line.)

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

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

ACTIVITY COMMANDER

CAPT W. R. KLEMM
NAME (Please type or print)

W R Klemm
Signature

SHIPYARD COMMANDER
Title

12/22/94
Date

NORFOLK NAVAL SHIPYARD
Activity

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	NSWC, CRANE

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, CRANE

	Cost	FY	Location	Description
1.	None			No impact on local community.

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost,

identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, CRANE

	Cost	FY	Description
1.	$6,018K	99	See below

$6,018K in "one-time unique" costs will be required to establish functional engineering design models for CIWS, MK 75 and MK 45 gun systems at Crane, NSWC. See cost breakout below.

MK 45 gun mount overhaul	$2,000K	Note (1)
MK 75 gun mount overhaul	$1,000K	Note (1)
CIWS Blk 0 overhaul	$ 500K	Note (2)
CIWS Blk 1 remanufacture	$2,300K	Note (2)
CIWS facility	$ 218K	Note (3)

Note (1): The Acquisition function being transferred to NSWC, Crane requires the on-site availability of a MK 45 gun mount and MK 75 gun mount. The cost to overhaul these needed assets is $2,000,000 and $1,000,000, respectively. These assets are required so the Acquisition personnel can evaluate the effect complex changes will have on integration with the all up system.

Note (2): The Acquisition function being transferred to NSWC, Crane requires the on-site availability of a CIWS Block 0 and a CIWS Block I system. The cost associated with the Block 0 system is the approximate cost of a normal overhaul of a Block 0 system. The cost associated with the Block 1 system is the approximate cost of a remanufacture of a Block 0 system to a Block I configuration. This additional remanufacture is required as no program assets exist to provide a capability of a Block I system at NSWC, Crane.

Note (3): The Acquisition function being transferred to NSWC, Crane requires a facility to house the Block 0 and Block I systems. This facility has special requirements for coolant and electrical power that must be provided to the systems. In addition, these systems must be completely tested before they can become operational to support the Acquisition function.

The overhaul of these gun systems is not a programmed (cyclic maintenance) requirement. With establishing the Acquisition Function capability at another facility, these systems are required.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, CRANE

	Cost	FY	Description
1.	None identified.		

c. Environmental Mitigation. Environmental cleanup costs at closing bases are not considered in COBRA, since these costs will be incurred regardless of whether the activity is closed or remains opened. If, however, additional environmental costs are incurred at gaining bases as the result of a transfer of functions or personnel, these costs should be identified, e.g., wetland mitigation, environmental impact statements at gaining bases, new permits, etc. Identify below any non-Military Construction environmental mitigation costs which will be incurred as a result of this closure/realignment action. (Note: Military Construction Costs for environmental mitigation are identified in Table 3-B). For each cost, identify the amount, year in which the cost will be incurred and a brief description of the cost.

Gaining Base: NSWC, CRANE

	Cost	FY	Description
1.	None identified.		

d. Miscellaneous Recurring Costs. Identify any other recurring costs associated with the closure/realignment action at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.). Do not double count any costs identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, CRANE

	Annual Cost	FY	Description
1.	None identified.		

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, CRANE

	Annual Savings	FY	Description
1.	None identified.		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: NSWC, CRANE

	Cost	No. of Acres	FY	Description
1.	None required.			

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: NSWC, CRANE								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	0	0	0	6,018K	0	0	6,018K
b.	One-Time Unique Savings	0	0	0	0	0	0	0
c.	Environ. Mitigation	0	0	0	0	0	0	0
d.	Misc. Recurring Costs	0	0	0	0	0	0	0
e.	Misc. Recurring Savings	0	0	0	0	0	0	0
f.	Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.
- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.
- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description of the requirement in the "Comment" column of the table.
- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

Table 3-B: MILCON Requirements

MK75/MK45 Engineering Test Stands:
$650K is an engineering estimate to establish MK75 and MK45 test stands with appropriate foundations and machinery spaces for gun systems operations. Test stands in place at ORDSTA are not transportable due to the substantial foundation requirements (concrete/steel).

Table 3-B: MILCON Requirements

Gaining Base Name: **NSWC, CRANE**

Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)	0	0	
Berthing (FB)	0	0	
Air Maintenance (SF)	0	0	
Other Operations (SF)	0	0	
Administrative (SF)	0	0	
Training (SF)	0	0	
Maintenance (SF)	0	0	
Bachelor Quarters (SF)	0	0	
Supply/Storage (SF)	0	0	
Dining Facilities (SF)	0	0	
Personnel Support (SF)	0	0	
Communications (SF)	0	0	
Ship Maintenance (SF)	0	3,500 *	Estimated cost of $650K to modify existing building and construct MK 75 and MK 45 test platforms.
RDT&E (SF)	0	0	
POL Storage (BL)	0	0	
Ammo Storage (SF)	0	0	
Medical Facilities (SF)	0	0	
Environmental	$0	$0	

Other: - - -	 $ $ $	 $ $ $	

* The MK 45 Test Stand, Structure 78, was constructed in 1972 and is currently a 2,162 sq. ft. facility which includes a recent 737 sq. ft. addition. This facility supports the MK 45 gun mount with related equipment. The gun mount's actual weight and rotating motion generates an unusual structural loading situation as reflected in the concrete slab and structural steel. The concrete slab is 30' wide x 30' long x 3' deep with double mat #8's on 6" centers. The structural steel has W12 x 85's on 4' centers to transfer the loading from the gun mount topside to the concrete slab at grade. The test stand is 30' x 30'. The stand with gun mount is 19'-4" tall.

The MK 75 Test Stand is identical in design. Due to the design of both stands, they are not transportable to the gaining site.

In order to accommodate the test enclosures at the gaining site, the systems must be mounted on a second level to accommodate the gears and hydraulics on the first or ground level, simulating a shipboard application. Modifications to an existing building are required to structurally support the enclosures on the second level. Modifications are also required to the existing building to partition the hydraulics and gears for each system and to provide necessary power, utilities and installation of miscellaneous support equipment. Existing buildings are not available that are structurally designed to accommodate the roof loads created by the test enclosures.

NAVAL SURFACE WARFARE CENTER
CRANE DIVISION
SCENARIO NUMBER 2-14-0114-012

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.

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

ACTIVITY COMMANDER

J. M. CARNEY	J M Carney
NAME (Please type or print)	Signature
COMMANDER	11/17/94
Title	Date
CRANE DIVISION, NSWC	
Activity	

Certification provided to the Louisville site of the Crane Division for enclosure (3) to SCENARIO NUMBER 2-14-0114-012.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	NSWC, PORT HUENEME

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, PORT HUENEME

	Cost	FY	Location	Description
1.	NONE			

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique

moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, PORT HUENEME

	Cost ($K)	FY	Description
1.	300 (1)	98	Office space refurbishment
	150 (1)	99	Site preparation for MK15 CIWS*
	200 (1)	99	Site preparation for MK45 and MK75 Gun Weapon Systems*
	30 (1)	99	Security and Environment Controls

* The MK15, MK45 and MK75 systems and components are the only equipments requiring relocation to perform gun weapon system ISE at NSWC PHD. All other systems and components can be supported without relocation of equipment.

IN RESPONSE TO BSAT QUESTION 6 OF 12/06/94 THE FOLLOWING CLARIFICATION IS PROVIDED:

The $300K **is not** for office space **refurbishment**. As shown below, it is for minor **reconfiguration** of office space. There was no identification of any classification of "substandard space" by NSWC, Port Hueneme.
a. 196 personnel transferring at 150 gross sq. ft/person = 29.4 KSF
b. This space is currently available (67KSF of available space reported in BRAC 95 Data Call #4, Table 3-1). This space is currently planned for major refurbishment independent of BRAC 95 decisions. Therefore, only minor reconfiguration will be required to accommodate the NSWC, Louisville functions.
c. 29.4 KSF will require tailoring of buildings to fit transferring codes' organizational workstation requirements, computed at industry standard $10/sq.ft.
d. 29.4 KSF X $10/sq.ft. = $294K, which was rounded to $300K.

Note (1) A certification was provided by NSWC, Port Hueneme on 30 November 1994 which certified the four costs cited above. The certification provided to NSWC, Louisville response for BSAT question n. of 29 November 1994 is provided below:

1. $300K in FY 98 for Office Refurb computed as follows:
   a. 196 personnel transferring at 150 gross sq.ft/person = 29.4 KSF
   b. This space is currently available (67 KSF of available space reported in BRAC 95 Data Call #4, Table 3-1). This space is currently planned for major refurbishment independent of BRAC 95 decisions. Therefore, only minor reconfiguration will be required to accommodate the NSWC, Louisville function.
   c. 29.4 KSF will require tailoring of buildings to fit transferring codes' organizational workstation

requirements, computed at industry standard $10/sq.ft.

d. 29.4 KSF X $10/sq2.ft. = $294K, which was rounded to $300K.

2. MK 15 (CIWS) Site Preparation - FY99

Prepare existing Surface Warfare Engineering Facility (SWEF) to receive a CIWS to be mounted on a 20' tower in the front apron of SWEF (similar location to the trailorable CIWS used for previous testing). Cost breakout as follows:

Design, Fabricate, Install Tower	$100K
Prepare Cable Trays	$ 25K
Prepare Coolant Plumbing Trays	$ 25K
	$150K

Note: CIWS MK 15 will already be installed on the Self Defense Test Ship (SDTS) by the time CIWS MK 15 is installed at SWEF. No SDTS costs are required.

3. MK 45/75 GWS - FY99 - $200K

The MK 45 had the largest requirement for 39' of below deck depth. The existing TERRIER Guided Missile Weapon System Test site, which has already been refurbished, will be used to incorporate the MK 45/75 Gun Systems. This assumes that deinstallation of the TERRIER system will have been accomplished prior to the requirement for installation of the MK 45. Since a building and tower are already available, the modifications were estimated as follows:

a. MK 45 (39' below deck space)=$50/sq ft to modify existing space X 1000 sq ft= $50K

Modify TERRIER Tower	= $25K
Modify Adjacent Tower Space	= $25K
	$100K

b. MK 75 (7' below deck requirement) = $50/sq ft to modify existing space X 500 sq ft = $25K

Modify Adjacent Topside Space including TERRIER launcher foundation	= $75K
	$100K

4. $30K in FY99 for Security and Environmental Controls is site preparation to accommodate the Naval Drawing Repository. A suitable workspace has been identified for this function, and only requires increased environmental and security considerations, including installation of the following:

a. Two dedicated air conditioning units for workspace.
b. Bar coverings (for security) over four windows.
c. Climate/security sealed door for workspace.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically

by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, PORT HUENEME

	Cost	FY	Description
1.	None		

c. Environmental Mitigation. Environmental cleanup costs at closing bases are not considered in COBRA, since these costs will be incurred regardless of whether the activity is closed or remains opened. If, however, additional environmental costs are incurred at gaining bases as the result of a transfer of functions or personnel, these costs should be identified, e.g., wetland mitigation, environmental impact statements at gaining bases, new permits, etc. Identify below any non-Military Construction environmental mitigation costs which will be incurred as a result of this closure/realignment action. (Note: Military Construction Costs for environmental mitigation are identified in Table 3-B). For each cost, identify the amount, year in which the cost will be incurred and a brief description of the cost.

Gaining Base: NSWC, PORT HUENEME

	Cost	FY	Description
1.	None		

d. Miscellaneous Recurring Costs. Identify any other recurring costs associated with the closure/realignment action at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.). Do not double count any costs identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, PORT HUENEME

	Annual Cost	FY	Description
1.	None		

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, PORT HUENEME

	Annual Savings	FY	Description
1.	None		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: NSWC, PORT HUENEME

	Cost	No. of Acres	FY	Description
1.	None			

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: **NSWC, PORT HUENEME**								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	0	0	300	380	0	0	680
b.	One-Time Unique Savings	0	0	0	0	0	0	0
c.	Environ. Mitigation	0	0	0	0	0	0	0
d.	Misc. Recurring Costs	0	0	0	0	0	0	0
e.	Misc. Recurring Savings	0	0	0	0	0	0	0
f.	Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.

- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.

- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description of the requirement in the "Comment" column of the table.

- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

Table 3-B: MILCON Requirements

Gaining Base Name: **NSWC, PORT HUENEME**

Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)	0	0	
Berthing (FB)	0	0	
Air Maintenance (SF)	0	0	
Other Operations (SF)	0	0	
Administrative (SF)	0	0	
Training (SF)	0	0	
Maintenance (SF)	0	0	
Bachelor Quarters (SF)	0	0	
Supply/Storage (SF)	0	0	
Dining Facilities (SF)	0	0	
Personnel Support (SF)	0	0	
Communications (SF)	0	0	
Ship Maintenance (SF)	0	0	
RDT&E (SF)	0	0	
POL Storage (BL)	0	0	
Ammo Storage (SF)	0	0	
Medical Facilities (SF)	0	0	
Environmental	$0	$0	
Other: - - -	 $ $ $	 $ $ $	

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

SUPPLEMENTAL DATA: RESULTANT SYNERGISTIC SAVINGS TO MISSION COSTS

A recurring reduction of 48 workyears could be realized from the relocation of Naval Surface Warfare Center Crane Division (NSWC CRD) Louisville Detachment gun weapon system In-Service Engineering (ISE) and Naval Drawing Repository functions to Naval Surface Warfare Center Port Hueneme Division (NSWC PHD), based on the following:

1. The Naval Drawing Repository function transferring from NSWC CRD requires the supporting tasks as are currently performed at NSWC PHD. With the synergistic benefits of relocating the Navy's primary Repository to Port Hueneme, the elimination of maintaining duplicate drawings, it is believed that NSWC PHD's future repository workload could be accomplished using the current 46 workyears supporting this function at NSWC CRD. This could result in the elimination of 8 workyears of effort.

2. There are numerous synergistic benefits of relocating the ISE functions for all Navy gun weapon systems, including consolidation of responsibilities for the fire control systems and gun mounts, elimination of the need for redundant gun mount/fire control interface support, combining of efforts currently requiring teaming between the two divisions and elimination of travel now required to coordinate efforts, and streamlining of efforts supporting future gun fire control concepts. Transfer of NSWC CRD gun weapon systems ISE to NSWC PHD will result in more efficient response to the fleet and program sponsors. It is estimated that this synergism could result in the reduction of approximately 40 workyears.

It should be noted that these workload reductions are estimated based on knowledge of current requirements and tasking, and have not been identified to specific programs.

Port Hueneme Division, Naval Surface Warfare Center
BSAT Scenarios 2-14-0114-012 and 2-14-0117-013

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

CDR Mark S. Bacin
NAME (Please type or print)

Mark S. Bacin CDR USN
Signature

Acting Commanding Officer
Title

16 NOV 94
Date

PHD NSWC
Activity

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Complete a separate Enclosure (3) - Gaining Base Questions, as appropriate, for each "gaining" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 3-A and 3-B. Enter the name of the Gaining Base in the block below.

Gaining Base:	NSWC, DAHLGREN

Table 3-A - Dynamic Base Information. Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (3-A) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 3-A: Supporting Data

a. Other One-Time Unique Costs. This item has been divided into two sections. First, separately identify any Community Infrastructure Impact costs. Second, separately identify any other One-Time Unique costs. **Finally, when transferring these figures to the Summary Data Table (3-A), combine both sets of numbers into one "Other One-Time Unique Costs" answer (by year).**

a. (1) Community Infrastructure Impacts. Identify any cost impacts on community infrastructure at gaining bases which would result from the transfer of functions/personnel, e.g., requirement to build new sewage treatment facility, etc. For each cost, identify the amount, year in which it would be incurred, location (city, etc.), and a brief description of the requirement. Answers must be consistent with certified data contained in the gaining base's Data Call 65, "Economic and Community Infrastructure Data", response. Ensure that adequate coordination takes place, especially in those cases where the gaining and losing base are in different claimancies. **Remember to aggregate this answer with 2.a.(2) costs on the next page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, DAHLGREN

	Cost	FY	Location	Description
1.	None			

a. (2) Other Unique One-Time Costs. Identify any other one-time unique costs at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed in the Losing Base tables (enclosure (2)). For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Losing Base tables (Enclosure (2)). **Remember to aggregate with 2.a.(1) costs on the previous page, if any, when transferring data to Summary Table.**

Gaining Base: NSWC, DAHLGREN

	Cost	FY	Description
1.	None		

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include MILCON Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered in the losing base enclosure). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Losing Base tables (Enclosure (2)).
Gaining Base: NSWC, DAHLGREN

	Cost	FY	Description
1.	None		

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

c. Environmental Mitigation. Environmental cleanup costs at closing bases are not considered in COBRA, since these costs will be incurred regardless of whether the activity is closed or remains opened. If, however, additional environmental costs are incurred at gaining bases as the result of a transfer of functions or personnel, these costs should be identified, e.g., wetland mitigation, environmental impact statements at gaining bases, new permits, etc. Identify below any non-Military Construction environmental mitigation costs which will be incurred as a result of this closure/realignment action. (Note: Military Construction Costs for environmental mitigation are identified in Table 3-B). For each cost, identify the amount, year in which the cost will be incurred and a brief description of the cost.

Gaining Base: NSWC, DAHLGREN

	Cost	FY	Description
1.	None		

d. Miscellaneous Recurring Costs. Identify any other recurring costs associated with the closure/realignment action at the gaining base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.). Do not double count any costs identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, DAHLGREN

	Annual Cost	FY	Description
1.	$96K	96	Labor cost difference between NSWCCD, Louisville and NSWCDD, Dahlgren Site

NSWCDD Cost per hour	$69.49	Stabilized Rate
NSWCCD Cost per hour	$62.69	
Increased cost per hour	$ 6.80	
Workyear (Productive)	1760 hours	
Increased cost per WYR	$11,968	
Workyears	8	
Total Increased Cost (Annual)	$95,744.00	

e. Miscellaneous Recurring Savings. Identify any other recurring savings associated with the closure/realignment action which will not be calculated automatically by the model, e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not

include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.). Do not double count any savings identified on Losing Base tables (Enclosure (2)).

Gaining Base: NSWC, DAHLGREN

	Annual Savings	FY	Description
1.	None		

f. Land Purchases. Identify any land purchases required at gaining bases to accommodate relocating activities/functions. Identify the cost, number of acres, year in which purchase will occur and a brief description identifying why the land needs to be purchased.

Gaining Base: NSWC, DAHLGREN

	Cost	No. of Acres	FY	Description
1.	None			

Summarize data shown in response to supporting data questions a. through f. above in the following table:

Table 3-A: Dynamic Base Information

Gaining Base Name: **NSWC, DAHLGREN**								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs *	0	0	0	0	0	0	0
b.	One-Time Unique Savings	0	0	0	0	0	0	0
c.	Environ. Mitigation	0	0	0	0	0	0	0
d.	Misc. Recurring Costs	96	0	0	0	0	0	96
e.	Misc. Recurring Savings	0	0	0	0	0	0	0
f.	Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

Table 3-B - Military Construction Requirements. Identify the amount of new construction or rehabilitation (using the designated unit of measure) which will be required at the receiving site. Include a brief description of the requirement in the Comment column.

- Do not include Family Housing construction requirements on this table, they will be identified on a separate data call format.

- The COBRA MILCON algorithm will estimate the cost of MILCON requirements for the standard categories of construction listed on the next page. However, if an engineered estimate(s) is already available, then a dollar value for the requirement(s) should be identified in the "Comment" column of the table.

- Any identified Environmental Mitigation MILCON projects must include a total cost and brief description

of the requirement in the "Comment" column of the table.

- The "Other" row is provided to identify MILCON requirements which do not fit the standard construction categories, e.g., dry docks, SCIF conversions, aircraft wash racks, etc. Enter a total cost and brief description for each identified requirement. For these "unique" categories of construction, a square footage estimate should also be indicated, if possible.

For Rehabilitation Requirements: if entered as a "unit of measure" (e.g., SF, etc.), then corresponding costs will be calculated at 75% of the cost of new construction (worst-case cost estimate for rehabilitation costs). If the rehabilitation will involve renovation at an anticipated rate of less than 75%, then in addition to identifying the requirement (SF, etc.), enter in the Comment block either a rehabilitation cost or an appropriate percentage which should be used in lieu of the 75% rate.

Show any cost entries in ($000).

Description of "Units of Measure" used in Table 3-B:

SY - Square Yards
FB - Feet of Berthing
SF - Square Feet
BL - Barrels

Description of standard "Categories of Construction" used in Table 3-B (including examples of types of construction included in these categories):

Horizontal - Aprons/Paving (Aircraft Parking Aprons, Combat Aircraft Ordnance Loading Areas, etc.), shown in square yards.

Berthing - General Purpose Berthing Piers, shown in feet of berthing.

Air Maintenance - Maintenance Hangers (General Purpose, High Bay, etc.), shown in square feet.

Other Operations - General Purpose Operations Facilities (Aircraft, Ordnance, Amphibious, Headquarters, etc.), shown in square feet.

Administrative - Administrative space (General Purpose and ADP), shown in square feet.

Training - Training Facilities (Academic, Reserve, Applied Instruction, Recruit Processing, Operational Trainers, etc.), shown in square feet.

Maintenance - Non-Weapons facilities (Vehicles, Electronics, Public Works, etc.), shown in square feet.

Bachelor Quarters - Barracks, Dormitories or Unmarked Officer Quarters, shown in square feet.

Supply/Storage - Operational Storage, Cold Storage, General Warehouse, etc., shown in square feet.

Dining Facilities - Enlisted Mess Hall, shown in square feet.

Personnel Support - Fire, Police, Family Service Centers, MWR, Child Care, etc., shown in square feet.

Communications - Other Communications Facilities, (Communications Centers, Telephone Exchanges, Terminal Equipment, Radar Air Traffic Control Center, etc.), shown in square feet.

Ship Maintenance - Shore Intermediate Maintenance, Waterfront Services, Amphibian Vehicle Maintenance, etc., shown in square feet.

RDT&E - Other Research, Development, Test and Evaluation (RDT&E) facilities (Aircraft, Ship, Underwater, Electronics, etc.) (does not include Ammo/Propulsion Labs), shown in square feet.

POL Storage - Jet Engine Fuel Storage, shown in barrels.

Ammo Storage - General Purpose, High Explosive, Small Arms and Missile Magazines, shown in square feet.

Medical Facilities - Hospitals, Medical/Dental Clinics, etc., shown in square feet.

Table 3-B: MILCON Requirements

Gaining Base Name: **NSWC, DAHLGREN**

Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)	0	0	
Berthing (FB)	0	0	
Air Maintenance (SF)	0	0	
Other Operations (SF)	0	0	
Administrative (SF)	0	0	
Training (SF)	0	0	
Maintenance (SF)	0	0	
Bachelor Quarters (SF)	0	0	
Supply/Storage (SF)	0	0	
Dining Facilities (SF)	0	0	
Personnel Support (SF)	0	0	
Communications (SF)	0	0	
Ship Maintenance (SF)	0	0	
RDT&E (SF)	0	0	
POL Storage (BL)	0	0	
Ammo Storage (SF)	0	0	
Medical Facilities (SF)	0	0	
Environmental	$0	$0	
Other: - - -	 $ $ $	 $ $ $	

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

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

ACTIVITY COMMANDER

J. C. OVERTON, CAPT,USN
NAME (Please type or print)

Signature

COMMANDER
Title

16 Nov 94
Date

NAVAL SURFACE WARFARE CENTER
DAHLGREN DIVISION
Activity

Attachment Two

BRAC-95 SCENARIO DEVELOPMENT DATA CALL

REVISED AS OF 11-25-94

ATTACHMENT 1: BASE LOADING DATA

Activity: 00197 NAVSURFWARCEN ORDSTA

PART 1: MANPOWER DATA - HOST AND TENANTS. This data is provided to assist you in identifying military billets and civilian positions which will either be relocated or eliminated as a result of closure or realignment. Officer (OFF), Enlisted (ENL) and Civilian (CIV) numbers reflect end strength, not on-board counts. The "Planned Force Structure Reduction" column represents the difference between projected "Beginning of FY 1996" and projected "End of FY 2001" end strength. The source of this data is the BUPERS/NAVCOMPT/CMC data bases in support of the FY 1996/1997 OSD Submit. Review this list and make any necessary annotations, including the addition or deletion of lines of data to accurately reflect the host and tenant population. Note that Military Students (STU) must be shown as an Average On-Board (AOB) count. If a significant student population is located at the activity, then all students need to be identified in this table. Student data need only be provided for the "End of FY 2001" column of the table. If any numbers are changed, please provide a revised set of totals at the end of the listing.

UIC	NAME	MAJOR CLAIMANT	BEGIN FY 1996 OFF	BEGIN FY 1996 ENL	BEGIN FY 1996 CIV	BEGIN FY 1996 STU	PLANNED FORCE STRUCTURE CHANGES OFF	PLANNED FORCE STRUCTURE CHANGES ENL	PLANNED FORCE STRUCTURE CHANGES CIV	PLANNED FORCE STRUCTURE CHANGES STU	END FY 2001 OFF	END FY 2001 ENL	END FY 2001 CIV	END FY 2001 STU
N00197	NAVSURFWARCEN ORDSTA	COMNAVSEASYS	4	6	1,578	0	-1	0	-293	0	3	6	1,285	0
N43050	CUSTOMER SERVICEBRANCH PSA	CINCLANTFLT	0	0	18	0	0	0	0	0	0	0	18	0
N35076	SBC GL CIWS TRA NOS	CNET	0	5	0	0	0	0	0	0	0	5	0	0
N45426	ENGFLDACT NW CO LOUIS	COMNAVFAC	1	0	0	0	0	0	0	0	1	0	0	0
N62467	NAVAL FACILITY ENGINEERING	COMNAVFAC	0	0	38	0	0	0	0	0	0	0	38	0
00197	NSWC CRANE NEW ORLEANS LA	COMNAVSEASYS	0	0	1	0	0	0	0	0	0	0	1	0
63394	NSWSES PORT HUENEME	COMNAVSEASYS	0	0	2	0	0	0	0	0	0	0	2	0
N43636	DEFENSE PRINTING SERVICE	COMNAVSUPSYS	0	0	21	0	0	0	-7	0	0	0	14	0
N00034	DEFENSE FIANCE AND	DFAS	0	0	0	0	0	0	0	0	0	0	0	0
N63854	NAVY CRIMINAL INVESTIGATIVE	DUSN	0	0	18	0	0	0	0	0	0	0	18	0
		TOTALS:	5	11	1607 1,682	0	-1	0	-300	0	4	11	1307 1,302	0

NOTE: Annotations above reflect changes to tenants based on current manning authorizations.

Louisville 1 of 3

11/18/94

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 5: TOTAL FACILITY SQUARE FEET. This is the total Class 2 facility square feet, excluding family housing, MWR and utilities, as reported in the Naval Facilities Assets Data Base (NFADB). This figure is used in determining the number of square feet which will be "shut down" as a result of the closure action.

Total Facility Square Feet (in thousands): 1,668

PART 6: BASE OPERATING SUPPORT (BOS) COST DATA. This is the total BOS costs reported for the host and tenant activities in Data Call 66. Please review this data and ensure that it is consistent with FY 1996 OSD Submit budget data. If BOS cost data needs to be revised, specific revisions should be noted on a revised copy of the appropriate Data Call 66 table(s), which should then be returned with this data call response.

			***** O&M, etc. *****				***** DBOF *****				***** TOTAL *****			
UIC	NAME	MAJOR CLAIMANT	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY
00197	NAVSURFWARCENORDSTA	SOMNAVSEASYSCO	13 ~~26~~	0	21 ~~26~~	305 ~~345~~	2147 ~~2706~~	0	4065 ~~4126~~	19136 ~~19336~~	2160 ~~2718~~	0	4086 ~~4142~~	19691
										19136	2160		4086	19691
		TOTALS:	13 ~~26~~	0	21 ~~26~~	305 ~~345~~	2147 ~~2706~~	0	4065 ~~4126~~	~~19336~~	~~2718~~	0	~~4142~~	19691

* Changes made per FY 96/97 OSD Budget Submit for NSWC, Crane Division.

Louisville 2 of 3

11/18/94

NOV-NOV 18 '94 02:50PM NSWC

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 7: **CONTRACT WORKYEAR DATA.** This is the total contract workyear data reported by the host and tenant activities in Data Call 66. Please review this data, especially the columns regarding contract workyears which will either be eliminated or transferred as a result of the closure/realignment action. Sum of workyears transferred + eliminated + remaining at activity must equal Total Contract Workyears. Annotate corrections as necessary.

UIC	NAME	MAJOR CLAIMANT	TOTAL CONTRACT WORKYEARS	NO. OF WORK-YEARS TO BE TRANSFERRED	NO. OF WORK-YEARS TO BE ELIMINATED	NO. OF WORK-YEARS REMAINING AT ACTIVITY
00197	NAVSURFWARCEN ORDSTA	COMNAVSEASYS	143	76	52	15
		TOTALS:	143	76	52	15

No Change

Louisville 2 of 3

11/18/94

NOV-18-1994 08:50PM NSWC P.7/8

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.**

R

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: NSWC Louisville		**UIC:** N00197	
Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair *	13	0	13
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	13	0	13
2. Other Base Operating Support Costs:			
2a. Utilities	14	0	14
2b. Transportation	0	0	0
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	3	0	3
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	4	4
2j. Other (Specify) 1. Retail Supply 2. Other Base	4	301	305
2k. Sub-total 2a. through 2j:	21	305	326
3. Grand Total (sum of 1c. and 2k.):	34	305	339

* Based on percent of total for FY94

R (11/20/94)

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)	
O&M funds:	$339	R

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

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

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NSWC Louisville		UIC: N00197	
Category	FY 1996 Net Cost From UC/FUND-4 ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$25K)	514	0	514
1b. Real Property Maintenance (<$25K)	1613	0	1613
1c. Minor Construction (Expensed)	20	0	20
1d. Minor Construction (Capital Budget)	N/A	N/A	N/A
1c. Sub-total 1a. through 1d.	2147	0	2147
2. Other Base Operating Support Costs:			
2a. Command Office	104	1325	1429
2b. ADP Support	1273	2165	3438
2c. Equipment Maintenance	165	0	165
2d. Civilian Personnel Services	79	958	1037
2e. Accounting/Finance	14	426	440
2f. Utilities	402	0	402
2g. Environmental Compliance	713	0	713
2h. Police and Fire	37	905.4	942.4
2i. Safety	19	200	219
2j. Supply and Storage Operations	129	3538	3667
2k. Major Range Test Facility Base Costs	0	0	0
2l. Other (Specify) i. Military Labor	0	447	447
ii. Base Communications	67	0	67
iii. FECA	1362	0	1362
iv. Other Engr. Support (less env.)	214	0	214
v. Other	(513.0)	9171.2	8658.2

R

SCENARIO 2-14-0114-012
REVISED (2/24/95)

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

NEXT ECHELON LEVEL (if applicable)

J. M. CARNEY
NAME (Please type or print)

J M Carney
Signature

Commander
Title

2/24/95
Date

Crane Division, NSWC
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)

Dr. Ira M. Blatstein
NAME (Please type or print)

Ira M Blatstein
Signature

Technical Director
Title

2/27/95
Date

Naval Surface Warfare Center
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

S. R Turner
Signature

Title

2/28/95
Date

Activity

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

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

C. Geiger
NAME (Please type or print)

C. Geiger
Signature

Acting
Title

3/3/95
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT JON R. CUMMINGS
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

2/8/95
Date

NSWC ORDSTA, LOUISVILLE, KY
Activity

Certification for the final integrated package on scenario number # 2-14-0114-012.

BRAC-95 Scenario Family Housing Data

Scenario No.:	012/013
Losing Base:	NSWC LOUISVILLE
Date:	12/7/94

1. Percentage of Family Housing which can be shut down at the Losing Base:

100 %

2. Family Housing Construction Requirements at Gaining Bases:

Gaining Base Name	No. of New Units	No. of Existing Units to be Rehab.
NSWC CRANE	0	
NSWC PORT HUENEME	0	

3. Purchase of Land at Gaining Bases for Family Housing Construction:

Gaining Base Name	No. of Acres	Cost ($000)

4. Additional Comments:

Losing Base: - 8 Units. Inactivation cost are $2K and $3K for caretaker cost.
No impact at gaining base.

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

1/30/95
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

2/14/95
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)

CAPTAIN DON G. MORRIS
NAME (Please type or print)

Donald G. Morris
Signature

DIRECTOR OF HOUSING
Title

27 January 1995
Date

NAVFACENGCOM
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

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

Joseph C. Ward
NAME (Please type or print)

Housing Management Specialist
Title

Resource
Division

Family Housing
Department

NAVFACENGCOM
Activity

JCWard
Signature

1/26/95
Date

Enclosure (1)

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Starting Year : 1996
Final Year : 1996
ROI Year : Immediate

NPV in 2015($K): -134,736
1-Time Cost($K): 32

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	-8,060	0	0	0	0	0	-8,060	0
Person	0	0	0	0	0	0	0	0
Overhd	0	-8,777	-8,777	-8,777	-8,777	-8,777	-43,885	-8,777
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	32	0	0	0	0	0	32	0
TOTAL	-8,028	-8,777	-8,777	-8,777	-8,777	-8,777	-51,913	-8,777

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

EXCESS SURGE DRY DOCKS AT NSYD NORFOLK-DET PHILADELPHIA

011
SCENARIO 012
013

Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	32	0	0	0	0	0	32	0
TOTAL	32	0	0	0	0	0	32	0

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	8,060	0	0	0	0	0	8,060	0
Person	0	0	0	0	0	0	0	0
Overhd	0	8,777	8,777	8,777	8,777	8,777	43,885	8,777
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	8,060	8,777	8,777	8,777	8,777	8,777	51,945	8,777

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/2
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	32,000	
Total - Other		32,000
Total One-Time Costs		32,000
One-Time Savings		
Military Construction Cost Avoidances	8,060,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		8,060,000
Total Net One-Time Costs		-8,028,000

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/2
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N950BOF.SFF

Base: NSY NORFOLK-DD PHIL, PA
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	32,000	
Total - Other		32,000
Total One-Time Costs		32,000
One-Time Savings		
Military Construction Cost Avoidances	8,060,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		8,060,000
Total Net One-Time Costs		-8,028,000

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/2
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NSY NORFOLK-DD PHIL	0	0	0	-8,060	-8,060
Totals:	0	0	0	-8,060	-8,060

Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

MilCon for Base: NSY NORFOLK-DD PHIL, PA

All Costs in $K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
			Total Construction Cost:			0
			+ Info Management Account:			0
			+ Land Purchases:			0
			- Construction Cost Avoid:			8,060
					TOTAL:	-8,060

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NSY NORFOLK-DD PHIL, PA

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	110

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	110

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/2
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

\+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

\# Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK-DD PHIL, PA	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	0.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/6
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	32	0	0	0	0	0	32
TOTAL ONE-TIME	32	0	0	0	0	0	32

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COST	32	0	0	0	0	0	32	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,060	0	0	0	0	0	8,060
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,060	0	0	0	0	0	8,060

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	8,777	8,777	8,777	8,777	8,777	43,885	8,777
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	8,777	8,777	8,777	8,777	8,777	43,885	8,777
TOTAL SAVINGS	8,060	8,777	8,777	8,777	8,777	8,777	51,945	8,777

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	-8,060	0	0	0	0	0	-8,060
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	32	0	0	0	0	0	32
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-8,028	0	0	0	0	0	-8,028

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	-8,777	-8,777	-8,777	-8,777	-8,777	-43,885	-8,777
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-8,777	-8,777	-8,777	-8,777	-8,777	-43,885	-8,777
TOTAL NET COST	-8,028	-8,777	-8,777	-8,777	-8,777	-8,777	-51,913	-8,777

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK-DD PHIL, PA

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	32	0	0	0	0	0	32
TOTAL ONE-TIME	32	0	0	0	0	0	32

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK-DD PHIL, PA

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	32	0	0	0	0	0	32	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,060	0	0	0	0	0	8,060
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,060	0	0	0	0	0	8,060

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	8,777	8,777	8,777	8,777	8,777	43,885	8,777
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	8,777	8,777	8,777	8,777	8,777	43,885	8,777
TOTAL SAVINGS	8,060	8,777	8,777	8,777	8,777	8,777	51,945	8,777

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NSY NORFOLK-DD PHIL, PA

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	-8,060	0	0	0	0	0	-8,060
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	32	0	0	0	0	0	32
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	-8,028	0	0	0	0	0	-8,028

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	-8,777	-8,777	-8,777	-8,777	-8,777	-43,885	-8,777
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-8,777	-8,777	-8,777	-8,777	-8,777	-43,885	-8,777
TOTAL NET COST	-8,028	-8,777	-8,777	-8,777	-8,777	-8,777	-51,913	-8,777

INPUT DATA REPORT (COBRA v5.08)
Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NSY NORFOLK-DD PHIL, PA	Realignment

Summary:

EXCESS SURGE DRY DOCKS AT NSYD NORFOLK-DET PHILADELPHIA

SCENARIO 012

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NSY NORFOLK-DD PHIL, PA

Total Officer Employees:	0	RPMA Non-Payroll ($K/Year):	0
Total Enlisted Employees:	0	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	0
Total Civilian Employees:	110	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	0.0%	Area Cost Factor:	1.18
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	0	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	407	Activity Code:	LOCLPA
Enlisted VHA ($/Month):	259		
Per Diem Rate ($/Day):	123	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NSY NORFOLK-DD PHIL, PA

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	32	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	8,777	8,777	8,777	8,777	8,777
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	8,060	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				100.0%

Data As Of 18:41 11/27/1994, Report Created 15:35 02/16/1995

Department : US NAVY
Option Package : NSY NORFOLK DET PHIL
Scenario File : P:\COBRA\DONE\PHILDD.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

BRAC-95 Scenario Family Housing Data

Scenario No.:	011/012/013
Losing Base:	DRYDOCKS AT PHILADELPHIA
Date:	12/2/94

1. Percentage of Family Housing which can be shut down at the Losing Base:

____0____ %

2. Family Housing Construction Requirements at Gaining Bases:

Gaining Base Name	No. of New Units	No. of Existing Units to be Rehab.
NONE		

3. Purchase of Land at Gaining Bases for Family Housing Construction:

Gaining Base Name	No. of Acres	Cost ($000)

4. Additional Comments:
No military personnel involved.

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

1/30/95
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

2/14/95
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)

CAPTAIN DON G. MORRIS
NAME (Please type or print)

Donald G. Morris
Signature

DIRECTOR OF HOUSING
Title

27 January 1995
Date

NAVFACENGCOM
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

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

Joseph C. Ward
NAME (Please type or print)

Signature

Housing Management Specialist
Title

1/26/95
Date

Resource
Division

Family Housing
Department

NAVFACENGCOM
Activity

Enclosure (1)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	2-14-~~0117~~ XXXX-011 NSY Philly
Scenario Title:	ALT 1 - Shipyards
Date:	23 November 1994 R

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	W. A. " Buddy" Trueblood, Jr.
Organization/Code:	Norfolk Naval Shipyard Code 1220 Portsmouth, VA 23709-5000
Office Phone Number:	(804) 396-8114 (DSN) 961-8114
Fax Number:	(804) 396-2626
Home Phone Number	(804) 482-1849

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table**, e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third

column of the table

Enclosure (1)

should be used to identify relevant information regarding workload/missions to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload /Missions Transferring
Norfolk NSYD (Philadelphia Detachment)	Excess	Maintain Philadelphia Drydocks and associated support buildings

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

Enclosure (1)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Complete a separate Enclosure (2) - Losing Base Questions for each "losing" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F. Enter the Losing Base name in the block below:

Losing Base:	Norfolk Naval Shipyard (Philadelphia Detachment)

The first five tables in this enclosure will be used to identify the movement and/or elimination of military billets and civilian positions. Data entered in Tables 2-B and 2-C will be transferred to Table 2-D and will be used to reconcile manpower totals at the losing base. The entire losing base workforce as shown on the annotated copy of the Base Loading Data Attachment must be accounted for in the Table 2-D reconciliation.

General Note on Tables 2-A and 2-B. A separate copy of both of these two tables must be completed for each pair of activities between which transfers of personnel, equipment or vehicles will occur. That is, a single enclosure (1) response may require multiple copies of tables 2-A and 2-B. For example, if the scenario involves the closure of NAVSTA A and relocation of personnel to NAVSTA B and NAVSTA C, then two tables will be completed, one for transfers from NAVSTA A to NAVSTA B and one for transfers from NAVSTA A to NAVSTA C. Note that for purposes of completing these tables, Losing Bases and Gaining Bases are defined as a host activity, independent activity or other activity specifically identified in the data call tasking. Separate tables will not be prepared for individual tenant activities, instead, tenant numbers will be incorporated into the table for the Losing Base. Be certain to identify the name of both the gaining and losing base. Make additional copies of these two tables as necessary.

Table 2-A: Disposition of Personnel - Detail Data. Please review the Base Loading Data Attachment and annotate any corrections, as necessary. Using the data contained in the Base Loading Data Attachment, complete the table on the next page. For both the host and tenant activities, identify, by UIC, the number of billets/positions being relocated to the identified receiving site. Each UIC shown as a separate line on the Base Loading Data Attachment must be separately listed in Table 2-A. Drilling reservists will not be included in officer and enlisted billet fields. Military students must be separately distinguished from officer and enlisted billets in COBRA. The Base Loading Data Attachment includes an identification of military students. Annotate the Base Loading Data Attachment to identify any additional students not currently shown, and include these corrected numbers in Table 2-A. Numbers of students are expressed as the estimated "Average On-Board" (AOB) which would be trained at the losing base in FY 2001 if a closure/realignment did not occur. Non-DON tenants must also be reviewed and a determination made as to whether the organization will be relocated. Relocating non-DON tenants must be included in the number of billets/positions identified as being transferred (and manpower totals adjusted accordingly).

Disposition of tenant and reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: Norfolk Naval Shipyard (Philadelphia Naval Shipyard)

To Gaining Base: Not Applicable (dispose of surge docking assets and associated support buildings)

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer							
		Enlisted							
		Civilian							
		Mil Stu							

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

Table 2-B: Disposition of Personnel and Equipment - Summary. Complete the table on the next page to summarize the transfer of equipment and personnel. Personnel numbers must match summary data shown in Table 2-A. Remember that, as with Table 2-A, a separate Table 2-B must be completed for each combination of losing/gaining bases. The following explanatory information is provided.

a. Disposition of Personnel. Transfer the summary relocation data shown at the bottom of the corresponding Table 2-A.

b. Disposition of Equipment. Identify the transfer of equipment and vehicles from one activity to another. **Do not include equipment which will be excessed.** The following explanatory notes are provided:

Mission and Support Equipment: The terms "Mission" and "Support" are provided as broad general terms to distinguish between the types of equipment which will be shipped. In terms of the COBRA moving algorithms, whether equipment is listed under "Mission" or "Support" is irrelevant. Consequently, more attention should be given to identifying the total number of tons which will need to be shipped, rather than spending too much time refining the breakout of mission vs. support equipment. Note that these figures should not include administrative equipment, which is already included in COBRA algorithms at the rate of 710 pounds per military billet or civilian position being relocated.

Light Vehicles: Light vehicles are defined as vehicles that will be driven to the new location.

Heavy Vehicles: Heavy vehicles are defined as vehicles which will be shipped to the new location.

Remember to complete the "Supporting Data" section which immediately follows the table.

Table 2-B: Disposition of Personnel and Equipment - Summary

From Losing Base: Norfolk Naval Shipyard (Philadelphia Naval Shipyard)							
To Gaining Base: Not Applicable (dispose of surge docking assets and associated support buildings)							
	1996	1997	1998	1999	2000	2001	Total
Officer Billets							
Enlisted Billets							
Civilian Positions							
Military Students							
Tons of Mission Equipment							
Tons of Support Equipment							
Number of Light Vehicles							
Number of Heavy Vehicles							

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

To Be Combined with Table above when receiving functions are determined.

Table 2-C: Eliminated Billets/Positions

Using the Base Loading Data Attachment, identify, by UIC, for both the host and tenant activities, the number of military billets and/or civilian positions which will be eliminated as a result of the closure/realignment scenario. For each UIC on the Base Loading Data Attachment where military billets and/or civilian positions will be eliminated, make a separate entry on Table 2-C. Identify the number of Officer Billets, Enlisted Billets and/or Civilian Positions which will be eliminated in each Fiscal Year. Note that for a total closure scenario, the total number of billets/positions moved plus those eliminated must equal the entire workforce at the activity as of the end of FY 2001 as shown on Base Loading Data Attachment. Numbers entered here should reflect a thorough review of staffing requirements at both the losing and receiving sites, and include all potential job eliminations which would result from consolidation efficiencies, economies of scale, etc. Reductions should reflect both overhead/support eliminations and direct labor eliminations, as appropriate. Eliminations should be entered in the year(s) in which they are expected to occur, for example, if 80 civilian positions will be eliminated in FY 2000 and an additional 50 positions will be eliminated in FY 2001, then enter the data as follows: FY 1996 - 1999 = 0, FY 2000 = 80, FY 2001 = 50, Total = 130. **Do not identify any of the following as eliminated billets/positions in Table 2-C:**

- Planned Force Structure Reductions (FY 1996 through 2001).
- Military Students.
- Non-DON tenants.

Drilling reservists should also not be included in numbers of eliminated billets. Disposition of any tenant or reserve activities must be adequately coordinated.

Table 2-C: Eliminated Billets/Positions

Losing Base Name: Norfolk Naval Shipyard (Philadelphia Detachment) (No billets/eliminated)

UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
	TOTAL	Officer							
		Enlisted							
		Civilian							

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity with eliminated positions/billets.

Table 2-D: Manpower Reconciliation Data. It is imperative that all manpower is accurately accounted for in the closure/realignment scenario. Using the data from the Base Loading Data Attachment and Tables 2-B and 2-C, complete the "reconciliation" table shown on the next page. Note that Line C of the table should include any changes in manpower resulting from the implementation of prior BRAC actions at the base. These changes should also be annotated on the Base Loading Data Attachment and reflected in Line D of the table, "End FY 2001".

(see next page)

BRAC-95 SCENARIO DEVELOPMENT DATA CALL

Enclosure (2) - LOSING BASE QUESTIONS

Table 2-D: Manpower Reconciliation Data
(Norfolk Naval Shipyard: Philadelphia Detachment)

	Officers	Enlisted	Civilians	Mil Stu	Total	
A. Begin FY 1996:	0	0	110	0	110	R
B. Force Structure Changes(+/-):	0	0	0	0	0	
C. Prior BRAC Changes (+/-):	0	0	0	0	0	
D. End FY 2001:	0	0	110	0	110	R
Moving to (List each Gaining Base):						
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
E. Total Billets/Positions Moving:	0	0	0	0	0	R
F. Eliminated Billets/Positions:	0	0	0		0	R
G. Remaining at Losing Base:	0	0	110	0	110	R
H. Sum of Lines E, F, and G:	0	0	110	0	110	R

Notes: Do not fill in shaded cells. **Double check** your work. **Line H** (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

Table 2-E: Caretaker Requirements (Mothball Scenarios Only). Complete the table below to identify any permanent caretaker requirements associated with a "mothball" (deactivation) scenario. Caretakers should only be identified if an activity will be mothballed as opposed to closed or realigned. Scenario data call taskings will identify if this is a "mothball" scenario. This area should not be used to identify temporary caretaker requirements associated with closure of the facility. If some or all of the activity will be mothballed, as opposed to closed or realigned, then identify the number of military and/or civilian caretakers that will be required to remain permanently at the activity. Enter the number of caretakers which will be added to the activity in each year. For example, if 100 caretakers will be required in 1996, and then this number will be increased to 150 in 1997 and out, then enter 1996 = 100, 1997 = 50, leave 1998 through 2001 blank, and enter 150 as the total.

Table 2-E: Caretaker Requirements ("Mothball" Scenarios Only)

Losing Base Name: Norfolk Naval Shipyard (Philadelphia Detachment)							
	1996	1997	1998	1999	2000	2001	Total
Military Caretakers	0	0	0	0	0	0	0
Civilian Caretakers	0	0	0	0	0	0	0

Table 2-F: Dynamic Base Information

Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (2-F) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 2-F: Supporting Data:

a. Other One-Time Unique Costs. Identify any other one-time unique costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, lease termination costs, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed separately in item c. below. For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: Norfolk Naval Shipyard

Cost	FY	Description
$31.5	96	Deactivation of cranes and buildings

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include net proceeds to DoD resulting from an existing MOU with a state or local government, one-time environmental compliance cost avoidances, etc. This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include Construction Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered under item i. below). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: Norfolk Naval Shipyard

Cost	FY	Description
$3,060	96	MILCON P-591S-FY94 Utility Reconfiguration Phase I (Construction advertisement is scheduled for October 1995)
$13,000	96	MILCON P-597S-FY96 Utility Reconfiguration Phase II (Construction advertisement is scheduled for October 1995)

c. One-Time Unique Moving Costs. The COBRA algorithms use standard packing and shipping rates to calculate the cost of transporting equipment and vehicles. Identify here only those unique moving costs associated with movements out of the losing base that would be incurred in addition to standard packing and shipping costs associated with tonnage and vehicles identified in Table 2-B. Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc. If unique costs identified here include packing and shipping costs, then ensure that tonnage for this "unique" equipment is not included under the Mission and Support equipment identified in Table 2-B. For each cost included in the table above, identify the amount, year in which the cost will be incurred, the name of the gaining base and a brief description of the cost.

Losing Base: Norfolk Naval Shipyard (Philadelphia Detachment)

Cost	FY	"Gaining Base	Description
		Not Applicable	Deactivation

d. and e. Changes in Mission Costs. Items d. and e. should be used to identify those changes in mission costs that result from the closure/realignment action, but are not counted elsewhere in this data call response or COBRA algorithms. For example, **do not include** changes in non-payroll Base Operating Support (BOS), Family Housing Operations, housing allowances, CHAMPUS costs/savings, or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms. Examples of items to include here are changes in operating costs due to the transfer of workload to gaining bases, economies of scale, changes in travel requirements, differences in wage grade labor rates or locality pay differentials, changes in the amount of mission work performed on contract, and changes in utility requirements or ADP/telecommunications costs not included in responses provided in the Base Operating Support tables of Data Call 66.

For purposes of calculating changes in costs associated with the transfer of mission workload from a losing to a gaining base, the following information is provided below. Calculations should take into consideration both economies of scale and differences in operating costs. Remember, any salary savings resulting from eliminated military billets and/or civilian positions must be identified as a number of billets/positions eliminated in Table 2-C. **Do not include** basic salary and fringe benefit savings associated with billets/positions identified as eliminated on Table 2-C. Also, **do not identify** changes in the non-payroll BOS Costs (including non-payroll G&A for DBOF activities) reported in Data Call 66.

First, identify economies of scale by examining the historic pattern of how labor, overhead and other costs vary with workload volume (adjust prior year costs for inflation to make them comparable; use statistical tests to determine the type of relationship that exists). The relationship between costs and workload can then be used to estimate changes in labor and overhead rates which result from the projected change in workload. Economies of scale benefits will generally accrue to gaining bases on an incremental basis, as the workload ramps up, and will remain in future years after all workload is transitioned.

Second, calculate resulting changes in operating costs. Changes in operating costs should be calculated by pricing out direct labor manhours of work, using the projected labor and productive overhead rates (which have been adjusted to take into consideration economies of scale resulting from the workload transfer) for both the losing and gaining base. The difference in total costs associated with the workload transition is then identified as the net change in mission costs. Relative differences in the numbers of hours required to complete a project at the losing base and gaining base(s) should be taken into consideration, if identifiable. Also, include contract costs in this analysis, but unless cost changes are identifiable, assume that contract price rates will remain constant.

If a net change in mission costs is included in the data call response, the response must also include supporting data to show calculations and methodology used to estimate this change in costs. Furthermore, data used in these calculations must beconsistent with previously submitted certified data.

d. Net Mission Costs. Complete the following worksheet to identify any net recurring increases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost increase, identify the name of the gaining base where the workload will be transferred (if applicable), cost increases by year and describe the nature of the cost increase. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost increases.

Net Mission Costs (Cost Increases) Worksheet						
Losing Base:						
Gaining Base	**FY 1996**	**FY 1997**	**FY 1998**	**FY 1999**	**FY 2000**	**FY 2001 and Beyond**
1.						
Description:						
2.						

Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

e. Net Mission Savings. Complete the following worksheet to identify any net recurring decreases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost decreases, identify the name of the gaining base where the workload will be transferred (if applicable), cost decreases by year and describe the nature of the cost decrease. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost decreases.

Net Mission Savings (Cost Decreases) Worksheet						
Losing Base:						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1.						
Description:						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

f. Miscellaneous Recurring Costs. Identify any other recurring costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the amount, year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission costs shown above. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: Norfolk Naval Shipyard (Philadelphia Detachment)

Annual Cost	FY	Description
		Not applicable

g. Miscellaneous Recurring Savings. Identify any other recurring savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the amount, year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission Costs shown above. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: Norfolk Naval Shipyard

Annual Savings	FY	Description
$8,777	97	Begin savings by discontinuance of operational/maintenance costs of drydocks, fire, security, utilities, and cranes

h. Land Sales. Identify any proceeds, if identifiable and realistically expected to be received, which would be realized through the sale of excessed property at the losing base(s). In most cases, proceeds will not be realized from the sale of land at closed activities. However, if unusual circumstances warrant, identify estimated amount of proceeds, number of acres to be sold and rationale for assuming that proceeds will be obtained.

Losing Base: Norfolk Naval Shipyard (Philadelphia Detachment)

Revenues	No. of Acres	Rationale
None	Not applicable	

i. Procurement Cost Avoidances. Identify any procurement cost avoidances which would be realized as a result of the closure/realignment scenario. Items identified here must not include any funds, regardless of appropriation, identified as BOS costs in Data Call 66. An example of a cost to include here would be a planned "Other Procurement account" purchase of a computer system, which will no longer be required as a result of the closure/realignment action. For each cost avoidance, identify the amount, year in which the cost would have been incurred, whether the cost avoidance is one-time or recurring in nature, and the nature of the cost avoidance.

Losing Base: Norfolk Naval Shipyard (Philadelphia Detachment)

Cost	FY	One-Time/Recurring	Explanation
None			

j. Facility Shutdown. If an activity is being realigned but not completely closed, then identify the number of square feet of Class 2 real property (buildings), excluding family housing, MWR and utilities facilities, which will be shut down at the losing base as a result of this action. If an activity is being completely closed, then just enter "All". The Base Loading Data Attachment includes an identification of total square feet for the activity and should be referred to in answering this question. Note that this entry should be shown in "thousands of square feet" (KSF).

Losing Base: Norfolk Naval Shipyard (Philadelphia Detachment)

Facility KSF Shutdown: ALL except buildings in support of Foundry and Propeller Shops

Summarize data shown in response to supporting data questions a. through j. above in the following table. Note that all entries must be shown in ($000).

Table 2-F: Dynamic Base Information Summary

Losing Base: Norfolk Naval Shipyard								
		1996	1997	1998	1999	2000	2001	Total
a.	One-Time Unique Costs	$31.5						$31.5
b.	One-Time Unique Svgs	$16.06						$16.06
c.	One-Time Move Costs							
d.	Net Mission Costs							
e.	Net Mission Savings							
f.	Misc Recur Costs							
g.	Misc Recur Savings	0	$8,777	$8,777	$8,777	$8,777	$8,777	$43,885
h.	Land Sales	0	0	0	0	0	0	0
i.	Procurement Cost Avoid							

j. Fac. Shutdown (KSF)	ALL except Propeller Shop/ Foundry and support buildings

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Table 3-B: MILCON Requirements

Gaining Base Name: Norfolk Naval Shipyard (Philadelphia Detachment)			
Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)			
Berthing (FB)			
Air Maintenance (SF)			
Other Operations (SF)			
Administrative (SF)			
Training (SF)			
Maintenance (SF)			
Bachelor Quarters (SF)			
Supply/Storage (SF)			
Dining Facilities (SF)			
Personnel Support (SF)			
Communications (SF)			
Ship Maintenance (SF)			
RDT&E (SF)			
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			
Environmental	$	$	
Other: - - -	$8 Million $ $ $	 $ $ $	Revise Utility configuration. Supercedes P-591S, P597S

Data Being Certified: Scenario Number: 2-14-0117-011
ALT 1 - Shipyards
Dispose of surge docking assets retained at NSYD Norfolk
Det Philadelphia as a result of BRAC - 91 decision

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

NEXT ECHELON LEVEL (if applicable)

William H. Ryzewic
NAME (Please type or print)

W. H. Ryzewic
Signature

Executive Director for Naval Shipyard and SUPSHIP Management and Field Activity Support Directorate
Title

1/20/95
Date

Naval Sea Systems Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

G. R. Sterner
Signature

G. R. STERNER
Commander
Title Naval Sea Systems Command

1-25-95
Date

Activity

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

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

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

W A Earner
Signature

Title

2/10/95
Date

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Scenario 2-14-0117-011 Alt 1

Norfolk Naval Shipyard

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SCENARIO NUMBER 2-14-0117-011, ALT 1 - Shipyards, Revision one

NORFOLK NAVAL SHIPYARD
DISPOSE OF SURGE DOCKING ASSETS RETAINED AT NSYC NORFOLK
DETACHMENT PHILADELPHIA AS A RESULT OF BRAC-91 DECISION

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

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

ACTIVITY COMMANDER

CAPT W. R. KLEMM
NAME (Please type or print)

W R Klemm
Signature

SHIPYARD COMMANDER
Title

11/23/94
Date

NORFOLK NAVAL SHIPYARD
Activity

Data Being Certified: Scenario Number: 2-14-0117-011
ALT 1 - Shipyards
Dispose of Surge Docking Assets Retained at NSYD Norfolk
Det Philadelphia as a Result of BRAC-91 Decision

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

NEXT ECHELON LEVEL (if applicable)

William H. Ryzewic
NAME (Please type or print)

W. H. Ryzewic
Signature

Executive Director for Naval Shipyard and SUPSHIP Management and Field Activity Support Directorate
Title

11/19/94
Date

Naval Sea Systems Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Commander
Naval Sea Systems Command
Title

11/19/94
Date

Activity

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

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

NAME (Please type or print)

Signature

SCENARIO NUMBER 2-14-0117-011, ALT 1 - Shipyards

NORFOLK NAVAL SHIPYARD
DISPOSE OF SURGE DOCKING ASSETS RETAINED AT NSYC NORFOLK
DETACHMENT PHILADELPHIA AS A RESULT OF BRAC-91 DECISION

BRAC-95 CERTIFICATION

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

ACTIVITY COMMANDER

CAPT G. B. BLANTON
NAME (Please type or print)

Gerald B Blanton
Signature

ACTING SHIPYARD COMMANDER
Title

11/17/94
Date

NORFOLK NAVAL SHIPYARD
Activity