

UIC: N60258

DATA CALL 1: GENERAL INSTALLATION INFORMATION

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

- Name

Official name	<i>Long Beach Naval Shipyard</i>
Acronym(s) used in correspondence	<i>NAVSHIPYD LONG BEACH</i>
Commonly accepted short title(s)	<i>LBNSY, NSYLB</i>

- Complete Mailing Address:

Commander
 Long Beach Naval Shipyard
 300 Skipjack Road
 Long Beach CA 90822-5099

- PLAD

NAVSHIPYD Long Beach CA

- PRIMARY UIC: N60258 (Plant Account UIC for Plant Account Holders)

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

- ALL OTHER UIC(s): N41227 PURPOSE: Base Support Office

For Naval Station

Functions to be gained 1 Oct 94

UIC: N60258

2. PLANT ACCOUNT HOLDER:

• Yes X No _____ (check one)

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

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

• Yes X No _____ (check one)

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

• Yes _____ No X (check one)

• Primary Host (current) UIC: _____

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

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

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

• Yes _____ No X (check one)

UIC: N60258

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

Name	Location	UIC
Shipboard Electronics Systems Evaluation Facility (SESEF)*	Naval Weapons Station, Seal Beach, CA.	N60258
Whites Point Housing (78 Units)	San Pedro, CA	N41227
San Pedro Housing (254 Units)	San Pedro, CA	N41227
Palos Verdes Housing (300 Units)	Palos Verdes, CA	N41227
Los Alamitos Housing (202 Units)	Los Alamitos, CA	N41227
Seal Beach Housing (200 Units)**	Seal Beach, CA	N41227
LBNSY 22.93 acre parcel	North of Ocean Blvd. adjacent to LBNSY	N41227
Navy & Marine Corps Readiness Reserve Center, Bldg. 676	Leased land adjacent to Long Beach Naval Shipyard	N62102

* Installation was deactivated on 30 Sep 93.

**Class 2 only; Class 1 belongs to NWS Seal Beach, CA

NOTE: All facilities with UIC N41227 were erroneously transferred to LBNSY UIC N60258 upon deactivation of NAVSTA, Long Beach, CA, corrective action is in process.

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

Name	UIC	Location	Host name	Host UIC
NONE	N/A	N/A	N/A	N/A

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

UIC: N60258

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

Name	Location	UIC
Shipboard Electronics Systems Evaluation Facility (SESEF)	Naval Weapons Station, Seal Beach, CA.	N60258

NOTE: Installation was deactivated on 30 Sep 93.

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

Name	UIC	Location	Host name	Host UIC
NONE	N/A	N/A	N/A	N/A

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

- Closure of NAVSTA effective 1 Oct 94 by BRAC-91 requires realignment of former NAVSTA, Long Beach facilities to LBNSY plant account. Impacts include the transfer of some personnel presently assigned to NAVSTA, homeported ships undergoing overhaul for the duration of availability, and remaining homeported ships pending shift of homeports.

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

Current Missions

- Provide comprehensive industrial workforce and facilities for conversion, overhaul and drydocking of all classes of Navy non-nuclear carriers, surface combatant, logistic support, amphibious ships and service craft, their systems and equipment.

UIC: N60258

- Closure of NAVSTA effective 1 Oct 94 by BRAC-91 requires realignment of former NAVSTA, Long Beach facilities to LBNSY plant account. Impacts include the transfer of some personnel presently assigned to NAVSTA, homeported ships undergoing overhaul for the duration of availability, and remaining homeported ships pending shift of homeports.

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

Current Missions

- Provide comprehensive industrial workforce and facilities for conversion, overhaul and drydocking of all classes of Navy non-nuclear carriers, surface combatant, logistic support, amphibious ships and service craft, their systems and equipment.

UIC: N60258

•- Perform refurbishment and restoration of hull, mechanical, electrical, electronic and combat systems components for various DoD & non-DoD activities such as:

- | | | | |
|----------------------|-----------------|------------------|----------------------|
| - Radar | - Motors | - Gyro | - Combustion Control |
| - Sonar | - MG sets | - Switchboards | - Valves |
| - Communications | - GFCS | - Hygiene Equip. | - Dehydrators |
| - Navigational Equip | - NC-2 Plotters | - Governors | - Diesels |
| - Antennae/Pedestals | - Bearings | - Hydraulics | - Rotors |
| - Condensers | - Pumps | - Props/Shafts | |
| - Optics | - Air Panels | - Fabrication | |

•- Provide design, engineering, combat systems, quality assurance, planning, testing, certification and public works services in support of industrial work.

•- Conduct comprehensive Occupational Safety and Health Program for maintaining high quality industrial safety standards.

•- Manage a permitted/licensed environmental protection program focusing on the re-engineering, recycling, cleanup and minimization administration of waste products and related processes.

•- Perform work for a broad customer base, including U.S. Government departments and agencies, and foreign governments.

•- Provide Public Works Lead Activity and Human Resources support for the Long Beach Naval Complex and the greater Los Angeles area.

•- Computer Aided Design (CAD)

•- Hull, mechanical, electrical, electronics and combat systems Engineering Installation Design for SHIPALTs and Repairs.

•- Develop Engineering Methods and Standards and Industrial Process Instructions.

•- Provide off-site ship Alteration Installation Teams (AITs) to install modernization alts such as the Chemical Agent Point Detection Systems (CAPDS) on FFG-7 Class and DD-963 Class ships and Harpoon and Close In Weapon Systems (CIWS) on Coast Guard Ships.

UIC: N60258

- Assigned FFG-7 Class planning yard responsibilities which include feasibility studies, warfighting improvement plan engineering (WIPE), design of hull, mechanical and electrical/electronic systems, development of ship alteration records and ship procedures and management of the class test program and provision of all logistic class support and technical documentation.
- Utilize Computer Aided Design (CAD) in the development of Ship Installation Drawings (SIDs), 3-D modeling and drawing interference checks, numerical control and engineering analysis of ship systems.
- Conduct machinery and sea trials providing equipment/system troubleshooting and vibration, acoustic and failure analysis.
- Perform as the configuration data manager for the US Navy FFG-7 Class ships and selected Australian Navy and Taiwan Navy Ships. Responsibilities include management and update of the ship configuration and logistic support information system (SCLISIS).
- Provide ship availability logistics support to ensure that all drawings, technical manuals, allowance documentation, preventative maintenance system documentation, and test equipment is available as needed for installation, check out, operation, and maintenance of systems and equipment, and that logistics support is on board by end-of-overhaul.
- Provide off-site services to repair, align and certify all minesweeper sonar systems.
- Provide verification that all known sources of electro-magnetic interference (EMI) have been corrected and conduct at-sea surveys to assess EMI status.
- Conduct program for all assigned ships to test the total combat system suite to ensure/certify that the combat system suite is fully functional to carry out the ships mission.

Projected Missions for FY 2001

- Long Beach Naval Shipyard's mission will be virtually unchanged. Product lines and ship work delineated in "Current Missions" will continue with minor variation. FY 2001 projection adds the following work:

UIC: N60258

- Provide Quality of Life (QOL) support for ships under availabilities and tenant command. This mission includes all remaining support functions for military personnel and dependents, either as a command mission or as services provided by tenant activities. Shipyard responsibilities include family housing management, bachelor quarters, galley, family services, Navy Exchange services, and all morale, welfare and recreation (MWR) support functions.

- Provide Government Wide Interservice Support. This mission includes responding to service requests from all federal agencies for industrial work or maintenance and repair work, including manufacturing of special furniture, removal of hazardous wastes and development of unique processes to meet specific agency needs.

- Provide Federal and State certified laboratory facilities for analysis, testing and certification of materials in support of recycling, environmental protection & safety programs.

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

Current Unique Missions

- The only alternate emergency nuclear aircraft carrier drydocking facility on the West Coast.

- The only non-nuclear powered aircraft carrier and large deck drydocking facility in Southern California.

- Designated SPCC / NAVSEA / NAVAIR / DoD activity depot for repair of the following equipment: diesel engines, turbines, weapons fire control equipment, guided missiles, small craft, ship and marine equipment, engine accessories, mechanical power transmission equipment, bearings, material handling equipment, refrigeration and air conditioning equipment pumps and compressors, water purification and sewage treatment equipment, pipe tubing and fittings valves, maintenance and repair shop equipment, communication equipment, electrical and electronic equipment, electric wire/power distribution equipment, automatic data processing equipment, alarm and signal systems, instruments and laboratory, top-side equipment and all search radars and myriad of assemblies, components and circuitry too numerous to list here.

UIC: N60258

- Fabrication capabilities to support NAVAIR: Jet Blast Deflectors (JBDs), cooling modules, butterfly exhaust valves.
- DOP with the unique set of test fixtures, tools, and experience for Isotta Fraschini Engines/Components supporting MCM class ships.
- Designated service life extension program industrial activity for self-propelled side-loading warping tugs and causeway sections (amphibious logistic delivery systems).
- Only optical shop still viable in a public yard, with the ability to cut, grind, polish and coat optical lenses up to 6" in diameter.
- Hyperbaric chamber in service for support in the greater Los Angeles area of all DoD requirements.
- Designated overhaul point for refurbishment and test of MK86 GFCS (System/Components - Above Deck), MK23 (Gyro) and SPS 48 antenna.
- Fully automated sealed hydraulic transmission analyzer and test facility (dual station) is in service to support the repairable program and NAVSEA's fleet requirements.
- Repair of Rib Boats (SPECWAR).
- Coast Guard Industrial Support.
- NAVSEA-designated FFG-7 Class planning yard detachment supporting U.S. and foreign navies.
- Contracted (by MOA) with Federal Bureau of Prisons for asbestos removal and industrial support.

Projected Unique Missions for FY 2001

- Long Beach Naval Shipyard's unique mission will be virtually unchanged. Product lines and ship work delineated in "Current Unique Missions" will continue with minor variation.

UIC: N60258

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

• Operational name UIC
Commander, Naval Sea Systems Command N00024

• Funding Source UIC
DBOF Multiple

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

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>23</u>	<u>15</u>	<u>3814</u> per NCPDS
• Selected Reserves (Reporting Command is Gaining Command)	<u>26</u>	<u>0</u>	<u>0</u>
• Tenants (Not including Selected Reserves that drill at Reporting Command)	<u>7</u>	<u>10</u>	<u>89</u>
• Tenants (Selected Reserves that drill at Reporting Command)	<u>7</u>	<u>0</u>	<u>0</u>
• Tenants (total)	<u>14</u>	<u>10</u>	<u>89</u>

UIC: N60258

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>23</u>	<u>7</u>	<u>3088*</u>
• Selected Reserves (Reporting Command is Gaining Command)	<u>26</u>	<u>0</u>	<u>0</u>
• Tenants (Not including Selected Reserves that drill at Reporting Command)	<u>7</u>	<u>10</u>	<u>89</u>
• Tenants (Selected Reserves that drill at Reporting Command)	<u>7</u>	<u>0</u>	<u>0</u>
• Tenants (total)	<u>14</u>	<u>10</u>	<u>89</u>

* Per FY 95 Congressional budget. Expected onboard as of 30 Sept 94 is 3300.

Authorized Positions after 1 October 1994**

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>23</u>	<u>7</u>	<u>3088*</u>
• Selected Reserves (Reporting Command is Gaining Command)	<u>26</u>	<u>0</u>	<u>0</u>
• Tenants (Not including Selected Reserves that drill at Reporting Command)	<u>134</u>	<u>1281</u>	<u>417</u>
• Tenants (Selected Reserves that drill at Reporting Command)	<u>286</u>	<u>630</u>	<u>0</u>
• Tenants (total)	<u>420</u>	<u>1911</u>	<u>417</u>

* Per FY 95 Congressional budget. Expected onboard as of 1 Oct 94 is 3300.

** Data for Fiscal Year 1995 included to reflect the effect of absorbing former Naval Station Long Beach functions upon its closure per BRAC-91.

UIC: N60258

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

<u>Title/Name</u>	<u>Office</u>	<u>Fax</u>	<u>Home</u>
• CO/OIC			
<u>CAPT Bernard Janov</u> Shipyard Commander	(310) 547-7717	(310) 547-7570	*
• Duty Officer	(310) 547-6226	(310) 547-8312	[N/A]
• OTHER KEY POCs			
<u>John Pfeiffer</u> Executive Assistant to the Shipyard Commander	(310) 547-7323	(310) 547-8312	*
<u>Dario Franco</u> Senior Industrial Specialist	(310) 547-7839	(310) 547-8312	*

* Provided by separate correspondence due to privacy act.

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

UIC: N60258

R

Tenants residing on main complex (shore commands)

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer in Charge of Construction (ROICC)	68711 R	2	0	14
Supervisor of Shipbuilding, Conversion & Repair (SUPSHIP) Long Beach	N65870	2 R	15 R	45
Defense Printing Service (DPS) Detachment Branch Office	N68347	0	0	20
Defense Finance & Accounting Service (DFAS)	S33181	0	0	10

After 1 October 1994

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer In Charge of Construction (ROICC)	N44267	2	0	14
Supervisor of Shipbuilding, Conversion and Repair, (SUPSHIP) Long Beach	N65870	5	10	45
Defense Printing Service (DPS) Detachment Branch Office Long Beach	N68347	0	0	20

11R 29 August 1994

UIC: N60258

R

- Tenants residing on main complex (shore commands)

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer in Charge of Construction (ROICC)	68711 R	2	0	14
Superivsor of Shipbuilding, Conversion & Repair (SUPSHIP) Long Beach	N65870	2 R	15 R	45
Defense Printing Service (DPS) Detachment Branch Office	N68347	0	0	20
Defense Finance & Accounting Service (DFAS)	S33181	0	0	10

After 1 October 1994

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer In Charge of Construction (ROICC)	N44267	2	0	14
Supervisor of Shipbuilding, Conversion and Repair, (SUPSHIP) Long Beach	N65870	2 R	15 R	45

11 R 29 August 1994

UIC: N60258

- Tenants residing on main complex (shore commands)

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer in Charge of Construction (ROICC)	N44267	2	0	14
Supervisor of Shipbuilding, Conversion & Repair (SUPSHIP) Long Beach	N65870	5	10	45
Defense Printing Service (DPS) Detachment Branch Office	N68347	0	0	20
Defense Finance & Accounting Service (DFAS)	S33181	0	0	10

After 1 October 1994

Command Name	UIC	OFFICER	ENLISTED	CIVILIAN
Resident Officer In Charge of Construction (ROICC)	N44267	2	0	14
Supervisor of Shipbuilding, Conversion and Repair, (SUPSHIP) Long Beach	N65870	5	10	45

UIC: N60258

R

Defense Finance & Accounting Service (DFAS)	S33181	0	0	10
Shore Intermediate Maintenance Activity Detachment (SIMA DET) Long Beach	N68828	3	75	0
Personnel Support Activity Detachment (PSD) Long Beach	N43142	1	25	35
Navy Legal Services Office Detachment (NLSO DET) Long Beach	N68772	2	0	0
Naval Medical Clinic Long Beach	N32539	39	90	83
Branch Dental Clinic Long Beach	N62947	5	10	6
Naval Computer and Telecommunications Command	N35272	1	16	11
Naval Criminal Investigative Service (NCIS DET) Long Beach	N32123	0	0	14
Fleet Industrial Support Center Detachment (FISC DET) Long Beach	N68276	2	2	57
Navy Exchange Long Beach	N39226	1	0	0
Defense Commissary	N49200	0	11	65 R
Navy & Marine Corps Reserve Center Long Beach	N62102	6	33	1
Naval Regional Contracting Center Detachment Long Beach	N00123	2	0	69

12R 29 August 1994

UIC: N60258

Defense Printing Service (DPS) Detachment Branch Office Long Beach	N68347	0	0	20
Defense Finance & Accounting Service (DFAS)	S33181	0	0	10
Shore Intermediate Maintenance Activity Detachment (SIMA DET) Long Beach	N68828	3	75	0
Personnel Support Activity Detachment (PSD) Long Beach	N43142	1	25	35
Navy Legal Services Office Detachment (NLSO DET) Long Beach	N68772	2	0	0
Naval Medical Clinic Long Beach	N32539	39	90	83
Branch Dental Clinic Long Beach	N62947	5	10	6
Naval Computer and Telecommunications Command	N35272	1	16	11
Naval Criminal Investigative Service (NCIS DET) Long Beach	N32123	0	0	14
Fleet Industrial Support Center Detachment (FISC DET) Long Beach	N68276	2	2	57
Navy Exchange Long Beach	N39226	1	0	0

R

UIC: N60258

Defense Commissary	N49200	0	11	65 R
Navy & Marine Corps Reserve Center Long Beach	N62102	6	33	1
Naval Regional Contracting Center Detachment Long Beach	N00123	2	0	69
Army Veterinarian's Office	A114FF09	1	6	2
Fleet Integrated Logistics Office (FLT ILO) Long Beach	N0062A	1	9	8
Defense Distribution Depot (DDD) Long Beach	SB3200	1	0	35

- Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
NONE	N/A	0	0	0

After 1 October 1994

Tenant Command Name	UIC	Officer	Enlisted	Civilian
ANTIETAM CG 54*	21387	24	364	0
PAUL F FOSTER DD 964*	20575	19	315	0
DAVID R RAY DD 971**	20591	19	315	0

* Scheduled ROH - assigned to Shipyard homeport for duration of overhaul availability

** Pending shift of homeport - ships are scheduled to transit to Everett WA in FY 95

13R 29 August 1994

UIC: N60258

Defense Commissary	N49200	0	11	0
Navy & Marine Corps Reserve Center Long Beach	N62102	6	33	1
Naval Regional Contracting Center Detachment Long Beach	N00123	2	0	69
Army Veterinarian's Office	A114FF09	1	6	2
Fleet Integrated Logistics Office (FLT ILO) Long Beach	N0062A	1	9	8
Defense Distribution Depot (DDD) Long Beach	SB3200	1	0	35

• Tenants residing on main complex (homeported units)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
NONE	N/A	0	0	0

After 1 October 1994

Tenant Command Name	UIC	Officer	Enlisted	Civilian
ANTIETAM CG 54*	21387	24	364	0
PAUL F FOSTER DD 964*	20575	19	315	0
DAVID R RAY DD 971**	20591	19	315	0

* Scheduled ROH - assigned to Shipyard homeport for duration of overhaul availability

** Pending shift of homeport - ships are scheduled to transit to Everett WA in FY 95

UIC: N60258

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

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
NONE	N/A	N/A	N/A	N/A	N/A

- Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
BP Chemical (HITCO)	N/A	East border of LBNSY	0	0	0
Long Beach Coastline Federal Credit Union	N/A	Main Gate LBNSY	0	0	0

After 1 October 1994

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
BP Chemical (HITCO)	N/A	East border of LBNSY	0	0	0
Long Beach Coastline Federal Credit Union	N/A	Main Gate LBNSY	0	0	0
Taco Bell	N/A	LBNSY	0	0	0
Auto Detailing	N/A	LBNSY	0	0	0
Small Vendors	N/A	LBNSY	0	0	0
Leisure Travel	N/A	LBNSY	0	0	0
DRMO	SZB1 69	LBNSY	0	0	7
DLA Fuel Pier	N/A	LBNSY	0	0	0
Koffee Ken's	N/A	LBNSY	0	0	0

UIC: N60258

Servmart	99962 G	LBNSY	0	0	0
Quicktrans	45759	LBNSY	0	0	0
USA Credit Union	N/A	LBNSY	0	0	0
Navy Relief	N/A	LBNSY	0	0	0
Red Cross	N/A	LBNSY	0	0	0
US Post Office	N/A	LBNSY	0	0	0

• Tenants (Other than those identified previously)(Drilling Reserves)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
NR NSYLB DET 119	86717	LBNSY	7	0	0

After 1 October 1994

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
NR NSYLB DET 119	86717	LBNSY	7	0	0
COMNAVSURFGRU	82766	LBNSY	9	5	0
ATG SD 119	85652	LBNSY	12	41	0
LSO LB 119	87422	LBNSY	7	5	0
NAVSEA	89136	LBNSY	16	0	0
NRCC 419	87056	LBNSY	20	5	0
NSC SD 419	89055	LBNSY	4	13	0
NCTAMS	86821	LBNSY	2	26	0
PERSMOBTM 2419	86754	LBNSY	10	22	0
SIMA 119	87881	LBNSY	6	15	0
SIMA 219	87883	LBNSY	5	96	0

UIC: N60258

CINCPACFLT	86910	LBNSY	32	13	0
NCSO	89236	LBNSY	28	18	0
NHLB 219	88353	LBNSY	6	15	0
NH CAMPEN 919	88357	LBNSY	3	29	0
PRIMUS	82790	LBNSY	25	0	0
MEFREL	87626	LBNSY	3	3	0
3rd ANGLICO	88561	LBNSY	13	7	0
COWPENS (SAU)	83211	LBNSY	3	28	0
4th FSSG DENCO	88564	LBNSY	4	9	0
FLTSUPTRA 2719	89144	LBNSY	2	5	0
MDSU1 DET 319	85609	LBNSY	6	32	0
NDC LBCH 119	89111	LBNSY	5	9	0
NR NSYLB DET 219	88629	LBNSY	7	0	0
NR NSYLB DET 311	88630	LBNSY	9	0	0
NR NSYLB DET 410	88630	LBNSY	10	0	0
MIUWU 105	81989	LBNSY	13	60	0
3rd ANGLICO I&I	M2V6 26	LBNSY	2	13	0
SIMA 319	87884	LBNSY	6	101	0
NHLB DET 119	88352	LBNSY	11	60	0

UIC: N60258

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

Activity Name	Location	Support function (include mechanism such as ISA, MOU, etc.)
Military Traffic Command	Compton, CA	Public Works Lead Activity Design, Planning, Maintenance
Coast Guard	LBNSY Bldg 72	Clean-up and spill prevention. Clean-up and spill equipment stowage.
Port of Los Angeles	Los Angeles Harbor	Clean-up and spill prevention
Port of Long Beach	Long Beach Harbor	Clean-up and spill prevention
Defense Resale Marketing Office (DRMO)	El Toro, CA	Public Works Lead Activity Design, Planning, Maintenance
Fleet Industrial Support Center (FISC) Detachment	Long Beach, CA	Public Works Lead Activity Design, Planning, Maintenance
Los Angeles Armed Forces Reserve Center	Los Angeles, CA	Public Works Lead Activity Design, Planning, Maintenance
Encino Armed Forces Reserve Center	Encino, CA	Public Works Lead Activity Design, Planning, Maintenance
Pasadena Armed Forces Reserve Center	Pasadena, CA	Public Works Lead Activity Design, Planning, Maintenance

UIC: N60258

Pico Rivera Armed Forces Reserve Center	Pico Rivera, CA	Public Works Lead Activity Design, Planning, Maintenance
Morris Dam Navy Weapons Test Facility	Azusa, CA	Public Works Lead Activity Design, Planning, Maintenance
Naval Hospital, Long Beach	Long Beach, CA	Public Works Lead Activity Design, Planning, Maintenance
Military Traffic Command	Compton, CA	Public Works Lead Activity Design, Planning, Maintenance
Defense Fuel Region West	San Pedro, CA	Public Works Lead Activity Design, Planning, Maintenance
Army Outpost	Los Angeles, CA	Public Works Lead Activity Design, Planning, Maintenance
Intra-Fleet Supply Support Operations Team (ISSOT)	Long Beach, CA	Public Works Lead Activity Design, Planning, Maintenance
63rd United States Army Reserve Command	Los Alamitos, CA	Support Services
Defense Investigative Services	Long Beach, CA	Facilities and Support Services
Naval Mobile Construction Battalion 16	Los Alamitos, CA	Transportation Services
Veterans Administration Medical Center	Long Beach, CA	Materials analysis
United States Army I Corps & Fort Lewis Housing	Los Alamitos, CA	Public Works Lead Activity Design, Planning, Maintenance
Naval Surface Force Pacific Port Engineers	Long Beach, CA	Facilities and Support Services

UIC: N60258

Defense Information Services Organization (DISO)	San Diego, CA	Data Processing Equipment and Services
General Services Administration (GSA)	Los Angeles, CA	Information Technology Services; POL for GSA vehicles
Naval Facilities Engineering Command Southwest Division	Long Beach, CA	Security Services for Ex-Navy Hospital (following closure in March 1994)

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

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

UIC: N60258

Archaeological, Historical and Architectural Properties

A. Long Beach Naval Shipyard

Long Beach Naval Shipyard does not currently have any facilities identified as Archaeological, Historical, or Architectural Properties. Phase I Survey for Shipyard Archaeological, Historical and Architectural Properties was completed in May 1993 and identified 47 candidate facilities constructed pre-1946. Phase II Survey, which identifies facilities for possible submission for the historical register, has not been accomplished yet by Naval Facilities Engineering Command, Southwest Division.

B. Naval Station Long Beach

Naval Station Long Beach Phase I Survey for Archaeological, Historical and Architectural Properties was completed in May 1992. Phase II Survey is due on 28 February 1994. Draft survey lists fifteen Naval Station candidate facilities and one Shipyard candidate facility (by error) for submission to the historical register. Facilities for submission are shown on attached map.

Enclosed are drawings from Naval Station Long Beach's Draft Historical and Architectural Assessment.

UIC N60258

JL
SEP 09X
2/14/94

Data Being Certified: BRAC 95 Data Call Number 1, Long Beach Naval Shipyard

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

FEB 10 1994

Title

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

G. R. STERNER

NAME (Please type or print)

G. R. Sterner
Signature

Title

Date

Commander
Naval Sea Systems Command
Acting

2/10/94

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)

S. F. Loftus
Vice Admiral, U.S. Navy

NAME (Please type or print)
Operations (Logistics)

S. F. Loftus
Signature

23 FEB 1994

Title

Date

7112 60258

JL
SEA 091
2/14/94

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

Data Being Certified: BRAC Data Call One

ACTIVITY COMMANDER

CAPT Bernard Janov, USN
NAME (Please type or print)


Signature

Shipyard Commander
Title

9 February 1994
Date

Long Beach Naval Shipyard
Activity

Data Being Certified: BRAC 95 Data Call Number 1, Revisions, Long Beach Naval Shipyard

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

NEXT ECHELON LEVEL (if applicable)

Robert S. Johnson


Signature

NAME (Please type or print)

Director, Field Activity Support Group
Naval Shipyard and SUPSHIP Management
and Field Activity Support Directorate

10/2/99
Date

Title

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

Naval Sea Systems Command
Commander
G. R. STERNER
Title

10-4-94
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)

P. W. DRENNON
NAME (Please type or print)


Signature

Acting
Title

12 OCT 1994
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

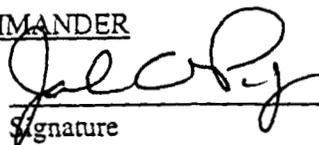
Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes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

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

ACTIVITY COMMANDER

CAPT John Pickering

NAME (Please type or print)


Signature

Shipyard Commander

Title

29 August 1994

Date

Long Beach Naval Shipyard

Activity

DATA CALL #1

Revisions to pages:

11R

13R

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 1 , Revision, Long Beach Naval Shipyard

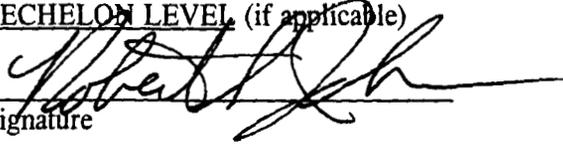
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

Robert S. Johnson

NAME (Please type or print)

Signature



Deputy Commander for Naval Shipyard
and SUPSHIP Management and Field
Activity Support Directorate
(Acting)

Title

Date

9/16/94

Naval Sea Systems Command

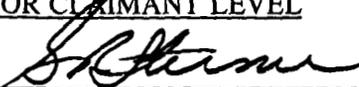
Activity

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



G. R. STERNER
Commander
Naval Sea Systems Command

9/21/94

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)

W. A. EARNER

NAME (Please type or print)

Signature



10/5/94

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering

NAME (Please type or print)


Signature

Shipyard Commander

Title

29 August 1994

Date

Long Beach Naval Shipyard

Activity

BRAC Data Call #1

Revised Data

Pages 11 R

12 R

114 R

UIC N60258

Data Being Certified: BRAC 95 Data Call Number Number 1, Long Beach Naval Shipyard, Revision Pages 3, 3a

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

W. H. Ryzewic

NAME (Please print or type)

Signature

Executive Director for Naval Shipyard and SUPSHIP Management and Field Activity Support Directorate

2/17/95

Title

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 print or type)

G. R. Sterner

G. R. STERNER
Commander
Naval Sea Systems Command

Signature

Title

2-17-95

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 AND LOGISTICS)

C.G. Geiger

C. Geiger

NAME (Please print or type)

Signature

Title

ACTWG

2-23-95

Date

R

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering

NAME (Please type or print)

Shipyard Commander

Title

Long Beach Naval Shipyard

Activity

John Pickering
Signature

19 DEC 1993
Date

DATA CALL #9

Revised pages

3

3a

114

7 September, 1994

**CAPACITY ANALYSIS:
DATA CALL WORK SHEET FOR
NAVAL SHIPYARDS
AND
NAVAL SHIP REPAIR FACILITIES**

Category	INDUSTRIAL ACTIVITIES
Type	NAVAL SHIPYARDS
Claimants	COMNAVSEASYSKOM (Shipyards)
Facility)	CINCPACFLT (Ship Repair

Notes: In the context of this Data Call:

1. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed. Use the workload as programmed in the FY 1995 Budget Submission and POM-96. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the activity configuration as of completion of all BRAC-88/91/93 actions.
2. Unless otherwise specified, for questions addressing maximum workload within the Mission Area of the Data Call, base your response on an eight hour day/five day notional normal work week (1-8-5). Please identify any processes which, under normal operations, operate on a different schedule in item 40.
3. Report Direct Labor Man Years (DLMYs) in thousands of Man Years, to the nearest tenth, e.g. 32.2 K DLMYs.
4. Core workloads are to be calculated in accordance with the Office of the Under Secretary of Defense (Logistics) (OUSD(L)) Memorandum dated 15 November 1993 (subject: "Policy for Maintaining Core Depot Maintenance Capability"). Core workload includes all Core work performed for other Military Departments.
5. Report workload performed on non-DON vessels (e.g. MSC, USCG) within the workload mission area most consistent with the work performed, specifying the vessel type in the first column. Ensure that all workload performed and projected to be performed is reported.

If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

This document has been prepared in WordPerfect 5.1/5.2.

Note: The Box below breaks out Defense Department Depot Maintenance and Industrial activities by Commodity Groups for further assessment. The highlighted items have been incorporated into this Data Call. If your activity performs work in any other area, please include such workload and so annotate your Data Call response.

JCSG-DM: Maintenance and Industrial Activities

Commodity Groups List	
<p>1. Aircraft Airframes: Rotary VSTOL Fixed Wing Transport / Tanker / Bomber / Command and Control Light Combat Admin / Training Other</p>	<p>7. Ground and Shipboard Communications and Electronic Equipment Radar Radio Communications Wire Communications Electronic Warfare Navigational Aids Electro-Optics / Night Vision Satellite Control / Space Sensors</p>
<p>2. Aircraft Components Dynamic Components Aircraft Structures Hydraulic/Pneumatic Instruments Landing Gear Aviation Ordnance Avionics/Electronics APUs Other</p>	<p>8. Automotive / Construction Equipment</p> <p>9. Tactical Vehicles Tactical Automotive Vehicles Components</p>
<p>3. Engines (Gas Turbine) Aircraft Ship Tank Blades / Vanes (Type 2)</p>	<p>10. Ground General Purpose Items Ground Support Equipment (except aircraft) Small Arms / Personal Weapons Munitions / Ordnance Ground Generators Other</p>
<p>4. Missiles and Missile Components Strategic Tactical / MLRS</p>	<p>11. Sea Systems Ships Weapons Systems</p>
<p>5. Amphibians Vehicles Components (less GTE)</p>	<p>12. Software Tactical Systems Support Equipment</p>
<p>6. Ground Combat Vehicles Self-propelled Tanks Towed Combat Vehicles Components (less GTE)</p>	<p>13. Special Interest Items Bearings Refurbishment Calibration (Type I) TMDE</p> <p>14. Other</p>

CAPACITY ANALYSIS DATA CALL NAVAL SHIPYARDS

Questions for the Activities

Table of Contents

Table of Acronyms	2
Mission Area	3
1. Shipwork (Nuclear - CVN COH)	3
2. Shipwork (Nuclear - CVN RCOH)	5
3. Shipwork (Nuclear - CVN DSRA)	7
4. Shipwork (Nuclear - CVN EDSR)	9
5. Shipwork (Nuclear - CVN DPIA)	11
6. Shipwork (Nuclear - CVN SRA)	13
7. Shipwork (Nuclear - CVN ESRA)	15
8. Shipwork (Nuclear - CVN PIA)	17
9. Shipwork (Nuclear - SSBN Inactivation)	19
10. Shipwork (Nuclear - SSBN ERP)	21
11. Shipwork (Nuclear - SSBN ROH/RFOH)	23
12. Shipwork (Nuclear - SSBN EOH / ERO)	25
13. Shipwork (Nuclear - SSN Inactivations)	27
14. Shipwork (Nuclear - SSN ROH / RFOH)	29
15. Shipwork (Nuclear - SSN EOH / ERO)	33
16. Shipwork (Nuclear - SSN DSRA)	37
17. Shipwork (Nuclear - SSN DMP)	41
18. Shipwork (Nuclear - CGN Inactivations)	44
19. Shipwork (Nuclear - CGN COH / RCOH)	46
20. Shipwork (Nuclear - CGN DSRA / SRA)	48
21. Shipwork (NonNuclear - ROH)	50
22. Shipwork (NonNuclear - COH)	53
23. Shipwork (NonNuclear - DPMA)	57
24. Shipwork (NonNuclear - PMA)	60
25. Shipwork (NonNuclear - DSRA)	63
26. Shipwork (NonNuclear - SRA)	66
27. Shipwork (NonNuclear - SCOs)	69
28. Shipwork (NonNuclear - Inactivations)	71
29. Other Productive Work	74
30. Restricted Availability/Technical Availability	77
31. Mission Area Workload Summary	79
Features and Capabilities	94
32. Manpower Factors	94
33. Physical Space for Industrial Support	97
34. Facility and Equipment Values	102
35. Facility Limitations	103
36. Productive Output Factors	104
37. Berthing Capability	106
38. Quarters and Messing	112
39. Regional Maintenance Concept	117
40. Other Issues	118

Table of Acronyms

ADMIN	Administration; administrative	N / A	Not Applicable
AICUZ	Air Installations Compatible Use Zone	NAVAID	Aid to Navigation
CCN	Category Code Number	NDT	?
CGN	Cruiser (nuclear propulsion)	NSYD	Naval Shipyard
CHT	Collection, Holding & Transfer	Nuc	Nuclear (Propulsion)
CIA	Controlled Industrial Area	OOS	Out of Service
COH	Complex Overhaul	OPW	Other Productive Work
Conv	Conventional (Propulsion)	PIA	Phased Incremental Availability
CV	Aircraft Carrier (conventional propulsion)	PM	Phased Maintenance
CVN	Aircraft Carrier (nuclear propulsion)	PMA	Phased Maintenance Availability
		POM	Program Objective Memorandum
		PSI	Pounds per square inch
		QA	Quality Assurance
DLMY	Direct Labor Man Years	RADCON	Radiological Control
DMP	Depot Modernization Period	RATA	Restricted Availability / Technical Availability
DPIA	Docking Phased Incremental Availability	RCOH	Refueling Complex Overhaul
DPMA	Drydocking Phased Maintenance Availability	RFOH	Refueling Regular Overhaul
DSRA	Drydocking Selected Restricted Availability	ROH	Regular Overhaul
E-O/NV	Electro-Optics / Night Vision	RO/RO	Roll On / Roll Off
EDSR	Engineered Docking Selected Restricted Availability	SCO	Service Craft Overhaul
EOH	Engineered Overhaul	SC/SS	Satellite Control / Space Systems
ERO	Engineered Refueling Overhaul	SF	Square Feet
ERP	Extended Refit Period	SRA	Selected Restricted Availability
ESQD	Explosive Safety Quantity Distance	SRF	Ship Repair Facility
ESRA	Engineered Selected Restricted Availability	SSBN	Ballistic Missile Submarine (nuclear propulsion)
EW	Electronic Warfare	SSN	Attack Submarine (nuclear propulsion)
FY	Fiscal Years	Svc	Services
GP	General Purpose	UIC	Unit Identification Code
GPD	Gallons per Day		
HERF	Hazardous Electronic Radiation - Fuel		
HERO	Hazardous Electronic Radiation - Ordnance		
HERP	Hazardous Electronic Radiation - Personnel		
INACT	Inactivation		
IPE	Industrial Plant Equipment		
KSF	Thousands of Square Feet		
KVA	Kilo Volts Amperes		
Mech	Mechanical		
MILCON	Military Construction		
MLLW	Mean Low Low Water		

**DATA CALL FOR CAPACITY ANALYSES
Naval Shipyards and Naval Ship Repair Facilities**

Primary UIC: 60258
(Use this number as Activity identification at top of every page)

Mission Area

1. Shipwork (Nuclear - CVN COH)

1.1. Given the current configuration of the shipyard, provide the Direct Labor Man Years (DLMYs) for the CVN Complex Overhauls (COH) by ship hull number that were realized or are projected for this type of work through the period requested in the Tables.

Table 1.1a Historic / Predicted Work - CVN COH
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 1.1b Historic / Predicted Work - CVN COH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

1. Shipwork (Nuclear - CVN COH), continued

Answer the remaining CVN COH questions (Section 1.) only if your shipyard has some CVN workload scheduled, as reflected in Table 1.1.

1.2. Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CVN COH capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN COHs without a significant increase in overhead costs and/or rates, assuming that you also have to execute the above workload and meet that cost schedule commitment to your customers.

Table 1.2 Maximum Potential Workload - CVN COH

CVN COH	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

1.3. What plant modifications, infrastructure, IPE and/or other facility improvements could be performed that would significantly open up additional CVN COH capability at this shipyard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period and return on investment?

1.4 Are there any environmental, legal, or otherwise limiting factors that inhibit this shipyard's CVN COH present operations and/or development (encroachments, pollutant discharge, etc.)?

DATA CALL SUPPLEMENT

FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	74070	74070	74070	74070	74070
7.2 Radio Communications	60603	60603	60603	60603	60603
7.5 Navigational Aids	26934	26934	26934	26934	26934
7.6 Electro-Optics /Night Vision	2245	2245	2245	2245	2245
7.7 Satellite Control /Space Sensors	2245	2245	2245	2245	2245
11.1 Ships	3318308	3318308	3318308	3318308	3318308
11.2 Weapons Systems	319922	319922	319922	319922	319922
11.3 Ship/Shipboard Support	953490	953490	953490	953490	953490
13.1 BEARING Refurbishment	50449	50449	50449	50449	50449
13.3 TMDE	7338	7338	7338	7338	7338
TOTAL	4815604	4815604	4815604	4815604	4815604

R

R

114 Rev.

Activity: 60258

DATA CALL SUPPLEMENT

**FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	74070	74070	74070	74070	74070
7.2 Radio Communications	60603	60603	60603	60603	60603
7.4 Electronic Warfare	363619	363619	363619	363619	363619
7.5 Navigational Aids	26934	26934	26934	26934	26934
7.6 Electro-Optics /Night Vision	2245	2245	2245	2245	2245
7.7 Satellite Control /Space Sensors	2245	2245	2245	2245	2245
11.1 Ships	2954689	2954689	2954689	2954689	2954689
11.2 Weapons Systems	319921	319921	319921	319921	319921
11.3 Ship/Shipboard Support	953490	953490	953490	953490	953490
13.1 BEARING Refurbishment	50449	50449	50449	50449	50449
13.3 TMDE	7338	7338	7338	7338	7338
TOTAL	4815604	4815604	4815604	4815604	4815604

2. Shipwork (Nuclear - CVN RCOH)

2.1. Given the current configuration of the shipyard, provide the DLMYs for the CVN Refuelling Complex Overhauls (RCOH) by ship hull number that were realized or are projected for this type of work through the period requested in the Tables.

Table 2.1a Historic / Predicted Work - CVN RCOH

OK

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 2.1b: Historic / Predicted Work - CVN RCOH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

1. Capacity Utilization, continued

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	18	18	18	18	18
7.2 Radio Comm.	18	18	18	18	18
7.5. Nav, Aids	18	18	18	18	18
7.6 Electro-Optics	18	18	18	18	18
7. 7 Satellite Control	18	18	18	18	18
11.1 Ships	63	61	49	39	52
11.2 Weapon Systems	82	89	81	97	97
11.3 Shipyard Support	50	50	50	50	50
13.1 Bearing Refurbishing	13	14	13	16	16
13.3 TMDE	27	27	27	27	27
Total (ships)(drydock)	63	61	49	39	52
Total (all others)	45	46	45	48	48

R

R

1. Capacity Utilization, continued

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	DLHs				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	82434	81415	77399	81044	83083
7.2 RADIO COMM	67446	66613	63327	66309	67976
7.5 NAVIGATIONAL AIDS	29976	29605	28145	29470	30212
7.6 ELECTRO-OPTICS	2498	2467	2345	24 56	2518
7.7 SATELLITE CONTROL	2498	2467	2345	24 56	2518
11 SEA SYSTEMS					
11.1 SHIPS	3692991	3647312	3467455	3630727	3722047
11.2 WEAPON SYS.	356045	351643	334301	350042	358846
11.4 SHIPYARD SUPPORT	1061152	1048031	996346	1043260	1069501
13 SPECIAL INTEREST ITEMS					
13.1 BEARING REFURBISHMENT	56280	55485	52353	55196	56787
13.3 TMDE	8032	8032	8032	8032	8032
TOTAL	5359352	5293088	5032048	5268992	5401520

R

Rev-114

Activity 60258

1. Capacity Utilization, continued

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	82,434	81,415	77,399	81,044	83,083
7.2 RADIO COMM	67,446	66,613	63,327	66,309	67,976
7.4 ELECTRONICS WARFARE	404,677	399,673	379,963	397,854	407,860
7.5 NAVIGATIONAL AIDS	29,976	29,605	28,145	29,470	30,212
7.6 ELECTRO-OPTICS	2,498	2,467	2,345	2,456	2,518
7.7 SATELLITE CONTROL	2,498	2,467	2,345	2,456	2,518
11.0 SEA SYSTEMS					
11.1 SHIPS	3,288,314	3,247,657	3,087,492	3,232,873	3,314,187
11.2 WEAPONS SYS.	356,045	351,643	334,301	350,042	358,846
11.4 SHIPYARD SUPPORT	1,061,152	1,048,031	996,346	1,043,260	1,069,501
13.0 SPECIAL INTEREST ITEMS					
13.1 BEARINGS REFURBISHMENT	56,280	55,485	52,353	55,196	56,787
13.3 TMDE	8,032	8,032	8,032	8,032	8,032
TOTAL	5,359,352	5,293,088	5,032,048	5,268,992	5,401,520

Rev.
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R

Rev.

Activity: 60258

1. Capacity Utilization, continued

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	18	18	18	18	18
7.2 Radio Comm.	18	18	18	18	18
7.4 Elec Warfare	18	18	18	18	18
7.5. Nav, Aids	18	18	18	18	18
7.6 Electro-Optics	18	18	18	18	18
7. 7 Satellite Control	18	18	18	18	18
11.1 Ships	63	61	49	39	52
11.2 Weapon Systems	82	89	81	97	97
11.3 Shipyard Support	50	50	50	50	50
13.1 Bearing Refurbishing	13	14	13	16	16
13.3 TMDE	27	27	27	27	27
Total (ships)(drydock)	63	61	49	39	52
Total (all others)	45	46	45	48	48

2. Shipwork (Nuclear - CVN RCOH), continued

Answer the remaining CVN RCOH questions (Section 2.) only if your shipyard has some CVN workload scheduled, as reflected in Table 2.1.

2.2. Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CVN RCOH capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN RCOHs without a significant increase in overhead costs and/or rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 2.2 Maximum Potential Workload - CVN RCOH

CVN RCOH	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

2.3. What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN RCOH capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

2.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN RCOH present operations and/or development (encroachments, pollutant discharge, etc.)?

1. Capacity Utilization, continued

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7	589,529	584,559	551,320	577,280	596,534
11	3,644,359	3,613,640	3,408,160	3,568,640	3,687,667
13	64,312	63,770	60,144	62,976	65,077
14	1,061,152	1,052,207	992,376	1,039,104	1,073,762
TOTAL	5,359,352	5,314,176	5,012,000	5,248,000	5,423,040

2. Plant Replacement Value

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars (\$K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

3. Shipwork (Nuclear - CVN DSRA)

3.1. Given the current configuration of the yard, provide DLMYs for the CVN Docking Selected Restricted Availability (DSRA) that were realized or are projected for this type of work through the period requested in the Tables. Report Engineered Docking Selected Restricted Availability (EDSR) and Docking Phased Incremental Availability (DPIA) in the following section.

Table 3.1.a Historic / Predicted Work - CVN DSRA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 3.1.b Historic / Predicted Work - CVN DSRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	\$K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	1129	1170	1198	1234	1234
7.2 RADIO COMM	924	958	980	1010	1010
7.5 NAVIGATIONAL AIDS	410	425	436	449	448
7.6 ELECTRO-OPTICS	34	36	36	37	38
7.7 SATELLITE CONTROL	34	36	36	37	38
11 SEA SYSTEMS					
11.1 SHIPS	227659	254911	238927	295342	303648
11.2 WEAPON SYS.	24117	27053	25303	31409	32311
11.4 SHIPYARD SUPPORT	35483	36558	37248	38367	39519
13 SPECIAL INTEREST ITEMS					
13.1 BEARING REFURBISHMENT	615	689	645	800	824
13.3 TMDE	168	174	179	184	184
TOTAL	290573	322010	304988	368869	379254

R

2. NOTE: Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were adjusted for inflation per NAVCOMPT established procedures.

Rev.

Activity 60258

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	\$K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	1,129	1,170	1,198	1,234	1,234
7.2 RADIO COMM	924	958	980	1,010	1,010
7.4 ELECTRONICS WARFARE	5,542	5,747	5,881	6,057	6,057
7.5 NAVIGATIONAL AIDS	411	425	446	449	448
7.6 ELECTRO-OPTICS	34	36	36	37	38
7.7 SATELLITE CONTROL	34	36	36	37	38
11.0 SEA SYSTEMS					
11.1 SHIPS	222,117	249,164	233,046	289,285	297,591
11.2 WEAPONS SYS.	21,117	27,053	25,303	31,109	32,311
11.4 SHIPYARD SUPPORT	35,183	36,558	37,218	38,367	39,519
13.0 SPECIAL INTEREST ITEMS					
13.1 BEARINGS REFURBISHMENT	615	689	645	800	824
13.3 TMDE	168	174	179	184	184
TOTAL	290,573	322,010	304,988	368,869	379,254

Revisions

R
R
R
R
R
R
R
R
R
R
R
R
R
R

NOTE: Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were

R

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	13478	13477	13478	13478	13477
7.2 RADIO COMM	11027	11027	11027	11027	11027
7.5 NAVIGATIONAL AIDS	4901	4900	4901	4901	4900
7.6 ELECTRO-OPTICS	408	408	409	409	408
7.7 SATELLITE CONTROL	408	408	409	409	408
11 SEA SYSTEMS					
11.1 SHIPS	2496362	2675217	2443939	2931690	2928171
11.2 WEAPON SYS.	263858	283279	258169	311227	310744
11.4 SHIPYARD SUPPORT	475896	475896	475896	475896	475896
13 SPECIAL INTEREST ITEMS					
13.1 BEARING REFURBISHMENT	6702	7220	6580	7931	7921
13.3 TMDE	2008	2008	2008	2008	2008
TOTAL	3275048	3473840	3216816	3758976	3754960

R

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

Rev.

Activity 60258

adjusted for inflation per NAVCOMPT established procedures.

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7.0 GROUND AND SHIPBOARD COMMUNICATIONS AND ELECTRONIC EQUIPMENT					
7.1 RADAR	13,478	13,477	13,478	13,478	13,477
7.2 RADIO COMM	11,027	11,027	11,027	11,027	11,027
7.4 ELECTRONICS WARFARE	66,162	66,162	66,162	66,162	66,162
7.5 NAVIGATIONAL AIDS	4,901	4,900	4,901	4,901	4,900
7.6 ELECTRO-OPTICS	408	408	409	409	408
7.7 SATELLITE CONTROL	408	408	409	409	408
11.0 SEA SYSTEMS					
11.1 SHIPS	2,430,200	2,609,055	2,377,781	2,865,528	2,862,009
11.2 WEAPONS SYS.	263,858	283,279	258,169	311,227	310,744
11.4 SHIPYARD SUPPORT	475,896	475,896	475,896	475,896	475,896
13.0 SPECIAL INTEREST ITEMS					
13.1 BEARINGS REFURBISHMENT	6,702	7,220	6,580	7,931	7,921
13.3 IMDE	2,008	2,008	2,008	2,008	2,008
TOTAL	3,275,048	3,473,840	3,216,816	3,758,976	3,754,960

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

3. Shipwork (Nuclear - CVN DSRA), continued

Answer the remaining CVN DSRA questions (Section 3.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 3.1, 4.1 or 5.1.

3.2. Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CVN DSRA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customer.

Table 3.2 Maximum Potential Workload - CVN DSRA

CVN DSRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

3.3. What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN DSRA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

3.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN DSRA present operations and/or development (encroachments, pollutant discharge, etc.)?

CAPACITY**3. Programmed Workload**

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7	8,073	8,405	8,533	8,789	8,859
11	246,849	278,010	257,962	320,213	332,044
13	168	175	178	183	185
14	35,483	36,704	37,100	38,214	39,676
TOTAL	290,574	323,295	303,774	367,399	380,763

2. **NOTE:** Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were adjusted for inflation per NAVCOMPT established procedures.

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7	96,384	96,768	96,000	96,000	96,768
11	2,700,760	2,911,104	2,632,000	3,172,000	3,193,344
13	2,008	2,016	2,000	2,000	2,016
14	475,896	477,792	474,000	474,000	477,792
TOTAL	3,275,048	3,487,680	3,204,000	3,744,000	3,769,920

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

4. Shipwork (Nuclear - CVN EDSR)

4.1. Given the current configuration of the yard, provide DLMYs for the CVN Engineered Docking Selected Restricted Availability (EDSR) that were realized or are projected for this type of work through the period requested in the Tables. Report Docking Selected Restricted Availability (DSRA) in the section previous; report Docking Phased Incremental Availability (DPIA) in the section following.

Table 4.1.a Historic / Predicted Work - CVN EDSR

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 4.1.b Historic / Predicted Work - CVN EDSR

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

4. Shipwork (Nuclear - CVN EDSR), continued

Answer the remaining CVN EDSR questions (Section 4.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 3.1, 4.1 or 5.1.

4.2. Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CVN EDSR capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customer.

Table 4.2 Maximum Potential Workload - CVN EDSR

CVN DSRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

4.3. What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN EDSR capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

4.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN EDSR present operations and/or development (encroachments, pollutant discharge, etc.)?

5. Shipwork (Nuclear - CVN DPIA)

5.1. Given the current configuration of the yard, provide DLMYs for the CVN Docking Phased Incremental Availability (DPIA) that were realized or are projected for this type of work through the period requested in the Tables. Report Docking Selected Restricted Availability (DSRA) and Engineered Docking Selected Restricted Availability (EDSR) in the previous sections.

Table 5.1.a Historic / Predicted Work - CVN DPIA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 5.1.b Historic / Predicted Work - CVN DPIA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

5. Shipwork (Nuclear - CVN DPIA), continued

Answer the remaining CVN DPIA questions (Section 5.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 3.1, 4.1 or 5.1.

5.2. Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CVN DPIA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customer.

Table 5.2 Maximum Potential Workload - CVN DPIA

CVN DSRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

5.3. What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN DPIA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

5.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN DPIA present operations and/or development (encroachments, pollutant discharge, etc.)?

6. Shipwork (Nuclear - CVN SRA)

6.1 Given the current configuration of the shipyard, provide by ship hull number the DLMYs for the CVN Selected Restricted Availability (SRA) that were realized or are projected for this type of work through the period requested in the Tables. Report Engineered Selected Restricted Availabilities (ESRA) and Phased Incremental Availabilities (PIA) in the sections following.

Table 6.1.a: Historic / Predicted Work - CVN SRA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 6.1.b: Historic / Predicted Work - CVN SRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

6. Shipwork (Nuclear - CVN SRA), continued

Answer the remaining CVN SRA questions (Section 6.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 6.1, 7.1 or 8.1.

6.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed what is the maximum extent to which the CVN SRA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN non-docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 6.2 Maximum Potential Workload - CVN SRA

CVN SRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

6.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN SRA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

6.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN SRA present operations and/or development (encroachments, pollutant discharge, etc.)?

7. Shipwork (Nuclear - CVN ESRA)

7.1 Given the current configuration of the shipyard, provide by ship hull number the DLMYs for the CVN Engineered Selected Restricted Availability (ESRA) that were realized or are projected for this type of work through the period requested in the Tables. Report Selected Restricted Availability (SRA) in the previous section; report Phased Incremental Availability (PIA) in the following section.

Table 7.1.a: Historic / Predicted Work - CVN ESRA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 7.1.b: Historic / Predicted Work - CVN ESRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

7. Shipwork (Nuclear - CVN ESRA), continued

Answer the remaining CVN ESRA questions (Section 7.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 6.1, 7.1 or 8.1.

7.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed what is the maximum extent to which the CVN ESRA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN non-docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 7.2 Maximum Potential Workload - CVN ESRA

CVN SRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

7.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN ESRA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

7.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN ESRA present operations and/or development (encroachments, pollutant discharge, etc.)?

8. Shipwork (Nuclear - CVN PIA)

8.1 Given the current configuration of the shipyard, provide by ship hull number the DLMYs for the CVN Phased Incremental Availability (PIA) that were realized or are projected for this type of work through the period requested in the Tables. Report Selected Restricted Availabilities (SRA) and Engineered Selected Restricted Availabilities (ESRA) in the previous sections.

Table 8.1.a: Historic / Predicted Work - CVN PIA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 8.1.b: Historic / Predicted Work - CVN PIA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

8. Shipwork (Nuclear - CVN PIA), continued

Answer the remaining CVN PIA questions (Section 8.) only if your shipyard has some CVN workload scheduled, as reflected in Tables 6.1, 7.1 or 8.1.

8.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed what is the maximum extent to which the CVN PIA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CVN non-docking availabilities without a significant increase in overhead cost/rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 8.2 Maximum Potential Workload - CVN PIA

CVN SRA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

8.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CVN PIA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

8.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your CVN PIA present operations and/or development (encroachments, pollutant discharge, etc.)?

9. Shipwork (Nuclear - SSBN Inactivation)

9.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the SSBN inactivations that were realized or are projected for this type of work through the period requested in the Tables.

Table 9.1.a: Historic/ Predicted Work - SSBN Inactivations

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 9.1.b: Historic/ Predicted Work - SSBN Inactivations

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

9. Shipwork (Nuclear - SSBN Inactivation), continued

Answer the remaining SSBN Inactivation questions (Section 9.) only if your shipyard has some SSBN workload scheduled, as reflected in Table 9.1.

9.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSBN inactivation capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSBN inactivations without a significant increase in overhead costs and/or rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 9.2: Maximum Potential Workload - SSBN Inactivations

SSBN HULL#	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

9.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSBN inactivation capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

9.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSBN inactivation present operations and/or development (encroachments, pollutant discharge, etc.)?

10. Shipwork (Nuclear - SSBN ERP)

10.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the SSBN Extended Refit Period (ERP) that were realized or are projected for this type of work for SSBN 726 class (TRIDENT) through the period requested in the Tables.

Table 10.1.a: Historic/ Predicted Work - SSBN ERP

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 10.1.b: Historic/ Predicted Work - SSBN ERP

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

10. Shipwork (Nuclear - SSBN ERPs), continued

Answer the remaining SSBN ERP questions (Section 10.) only if your shipyard has some SSBN workload scheduled, as reflected in Table 10.1. Provide these answers in terms of additional SSBN 726 (TRIDENT) class workload only.

10.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSBN Extended Refit Period capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSBN refits without a significant increase in overhead cost/rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customer.

Table 10.2 Maximum Potential Workload - SSBN ERPs

SSBN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

10.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSBN ERP capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

10.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSBN ERP present operations and/or development (encroachments, pollutant discharge, etc.)?

11. Shipwork (Nuclear - SSBN ROH/RFOH)

11.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the SSBN Regular and Refuelling Overhauls (ROH/RFOH) that were realized or are projected for this type of work through the period requested in the Tables. Report SSBN Engineered and Engineered Refueling Overhauls (EOH/ERO) in the next section.

Table 11.1.a: Historic/ Predicted Work - SSBN ROH/RFOH

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 11.1.b: Historic/ Predicted Work - SSBN ROH/RFOH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

11. Shipwork (Nuclear - SSBN ROH / RFOH), continued

Answer the remaining SSBN ROH/RFOH questions (Section 11.) only if your shipyard has some SSBN workload scheduled, as reflected in Tables 11.1 or 12.1. Provide answers in terms of additional SSBN 726 (TRIDENT) class workload only.

11.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSBN overhaul capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSBN overhauls without a significant increase in overhead costs and/or rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 11.2: Maximum Potential Workload - SSBN ROH/RFOH

SSBN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

11.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSBN ROH/RFOH capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

11.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSBN ROH/RFOH present operations and/or development (encroachments, pollutant discharge, etc.)?

12. Shipwork (Nuclear - SSBN EOH / ERO)

12.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the SSBN Engineered and Engineered Refueling Overhauls (EOH/ERO) that were realized or are projected for this type of work through the period requested in the Tables. Report SSBN Regular and Refuelling Overhauls (ROH/RFOH) in the previous section.

Table 12.1.a: Historic/ Predicted Work - SSBN EOH/ERO

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 12.1.b: Historic/ Predicted Work - SSBN EOH/ERO

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

12. Shipwork (Nuclear - SSBN EOH / ERO), continued

Answer the remaining SSBN EOH/ERO questions (Section 12.) only if your shipyard has some SSBN workload scheduled, as reflected in Tables 11.1 or 12.1. Provide answers in terms of additional SSBN 726 (TRIDENT) class workload only.

12.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSBN overhaul capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSBN overhauls without a significant increase in overhead costs and/or rates, assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 12.2: Maximum Potential Workload - SSBN EOH/ERO

SSBN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

12.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSBN EOH/ERO capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

12.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSBN EOH/ERO present operations and/or development (encroachments, pollutant discharge, etc.)?

13. Shipwork (Nuclear - SSN Inactivations)

13.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the SSN inactivations that were realized or are projected for this type of work through the period requested in the Tables.

Table 13.1.a: Historic/ Predicted Work - SSN Inactivations

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 13.1.b: Historic/ Predicted Work - SSN Inactivations

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

13. Shipwork (Nuclear - SSN Inactivations), continued

Answer the remaining SSN Inactivation questions (Section 13.) only if your shipyard has some SSN workload scheduled, as reflected in Table 13.1.

13.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSN inactivation capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSN inactivations without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 13.2: Maximum Potential Workload - SSN Inactivations

SSBN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

13.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSN inactivation capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

13.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSN inactivation present operations and/or development (encroachments, pollutant discharge, etc.)?

14. Shipwork (Nuclear - SSN ROH / RFOH)

14.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the SSN Refuelling and Regular Overhauls (RFOH/ROH) that were realized or are projected for this type of work through the period requested in the Tables. Report SSN Engineered Refueling and Engineered Overhauls (ERO/EOH) in the section following.

Table 14.1.a: Historic / Predicted Work - SSN ROH/RFOH

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

14. Shipwork (Nuclear - SSN ROH / RFOH), continued

Table 14.1.b: Historic/ Predicted Work - SSN ROH/RFOH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

14. Shipwork (Nuclear - SSN ROH / RFOH), continued

Answer the remaining SSN ROH/RFOH questions (Section 14.) only if your shipyard has some SSN workload scheduled, as reflected in Tables 14.1 or 15.1. Please answer in terms of additional SSN 688 (LOS ANGELES) class workload only.

14.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSN ROH/RFOH capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSN ROH/RFOHs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 14.2: Maximum Potential Workload - SSN ROH/RFOH

SSN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

14. Shipwork (Nuclear - SSN ROH / RFOH), continued

14.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSN overhaul capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

14.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your SSN overhaul present operations and/or development (encroachments, pollutant discharge, etc.)?

15. Shipwork (Nuclear - SSN EOH / ERO)

15.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the SSN Engineered Refueling and Engineered Overhauls (ERO/EOH) that were realized or are projected for this type of work through the period requested in the Tables. Report Refuelling and Regular Overhauls (RFOH/ROH) in the previous section.

Table 15.1.a: Historic/ Predicted Work - SSN EOH/ERO
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

15. Shipwork (Nuclear - SSN EOH / ERO), continued

Table 15.1.b: Historic/ Predicted Work - SSN EOH/ERO

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

15. Shipwork (Nuclear - SSN EOH / ERO), continued

Answer the remaining SSN EOH/ERO questions (Section 15.) only if your shipyard has some SSN workload scheduled, as reflected in Tables 14.1 or 15.1. Please answer in terms of additional SSN 688 (LOS ANGELES) class workload only.

15.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSN EOH/ERO capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSN EOH/EROs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 15.2: Maximum Potential Workload - SSN EOH/ERO

SSN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

15. Shipwork (Nuclear - SSN EOH / ERO), continued

15.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSN overhaul capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

15.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your SSN overhaul present operations and/or development (encroachments, pollutant discharge, etc.)?

16. Shipwork (Nuclear - SSN DSRA)

16.1 Given the current configuration of the shipyard, provide the DLMYs by ship's hull number for the SSN Docking Selected Restricted Availabilities (DSRA) that were realized or are projected for this type of work through the period requested in the Tables.

Table 16.1.a: Historic/ Predicted Work - SSN DSRA

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

16. Shipwork (Nuclear - SSN DSRA), continued

Table 16.1.b: Historic/ Predicted Work - SSN DSRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

16. Shipwork (Nuclear - SSN DSRA), continued

Answer the remaining SSN DSRA questions (Section 16.) only if your shipyard has some SSN workload scheduled, as reflected in Table 16.1. Please answer in terms of additional SSN 688 (LOS ANGELES) class workload only.

16.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSN DSRA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSN availabilities without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 16.2: Maximum Potential Workload - SSN DSRA

SSN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

16. Shipwork (Nuclear - SSN DSRA), continued

16.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSN availability capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

16.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your SSN DSRA present operations and/or development (encroachments, pollutant discharge, etc.)?

17. Shipwork (Nuclear - SSN DMP)

17.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the SSN Depot Modernization Periods (DMP) that were realized or are projected for this type of work through the period requested in the Tables.

Table 17.1.a: Historic/ Predicted Work - SSN DMP

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

17. Shipwork (Nuclear - SSN DMP), continued

Table 17.1.b: Historic/ Predicted Work - SSN DMP

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

17. Shipwork (Nuclear - SSN DMP), continued

Answer the remaining SSN DMP questions (Section 17.) only if your shipyard has some SSN workload scheduled, as reflected in Table 17.1. Please answer in terms of additional SSN 688 (LOS ANGELES) class workload only.

17.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SSN DMP capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SSN DMPs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 17.2: Maximum Potential Workload - SSN DMP

SSN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

17.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SSN DMP capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

17.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SSN DMP present operations and/or development (encroachments, pollutant discharge, etc.)?

18. Shipwork (Nuclear - CGN Inactivations)

18.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the CGN inactivations that were realized or are projected for this type of work through the period requested in the Tables.

Table 18.1.a: Historic/ Predicted Work - CGN Inactivations

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 18.1.b: Historic/ Predicted Work - CGN Inactivations

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

18. Shipwork (Nuclear - CGN Inactivations), continued

Answer the remaining CGN Inactivation questions (Section 18.) only if your shipyard has some CGN workload scheduled, as reflected in Table 18.1.

18.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CGN inactivation capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CGN inactivations without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 18.2: Maximum Potential Workload - CGN Inactivations

CGN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

18.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CGN inactivation capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

18.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your CGN inactivation present operations and/or development (encroachments, pollutant discharge, etc.)?

19. Shipwork (Nuclear - CGN COH / RCOH)

19.1 Given the current configuration of the yard, provide by ship's hull number DLMYs for the CGN Complex Overhauls (COH) and Refuelling Complex Overhauls (RCOH) that were realized or are projected for this type of work through the period requested in the Tables.

Table 19.1.a: Historic/ Predicted Work - CGN COH / RCOH
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 19.1.b: Historic/ Predicted Work - CGN COH / RCOH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

19. Shipwork (Nuclear - CGN COH / RCOH), continued

Answer the remaining CGN COH/RCOH questions (Section 19.) only if your shipyard has some CGN workload scheduled, as reflected in Table 19.1.

19.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CGN COH/RCOH capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CGN overhauls without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 19.2: Maximum Potential Workload - CGN COH / RCOH

CGN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

19.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CGN COH/RCOH capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

19.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your CGN COH/RCOH present operations and/or development (encroachments, pollutant discharge, etc.)?

20. Shipwork (Nuclear - CGN DSRA / SRA)

20.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the CGN Docking Selected Restricted Availabilities (DSRA) and Selected Restricted Availabilities (SRA) that were realized or are projected for this type of work through the period requested in the Tables.

Table 20.1.a: Historic/ Predicted Work - CGN DSRA / SRA
prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total								

Table 20.1.b: Historic/ Predicted Work - CGN DSRA / SRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

20. Shipwork (Nuclear - CGN DSRA / SRA), continued

Answer the remaining CGN DSRA/SRA questions (Section 20.) only if your shipyard has some CGN workload scheduled, as reflected in Table 20.1.

20.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the CGN DSRA/SRA capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to CGN availabilities without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 20.2: Maximum Potential Workload - CGN DSRA / SRA

CGN	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total							

20.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional CGN DSRA/SRA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

20.4 Are there any environmental, legal, or otherwise limiting factors that inhibit your CGN DSRA/SRA present operations and/or development (encroachments, pollutant discharge, etc.)?

21. Shipwork (NonNuclear - ROH)

21.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Regular Overhauls (ROH) of nonnuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 21.1.a: Historic/ Predicted Work - NonNuclear ROH
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
BB-63	.692							
DDG-24	.036							
DDG-14	.256							
LPD-7	.241	.043						
CG-22	.012	.478	.013					
DD-992	.001	.437	.039					
ASR-21	.002	.006	.183	.129	.110	.076		
CG-16		.068	.461					
CG-23			.001					
CG-29		.001	.236	.229				
DD-971			.149	.292				
DDG-994				.010	.385	.013		
AFDM- 14			.001	.078	.004			
CG-30			.005	.380	.052			
DD-973				.002	.319	.126		
ARD-30					.051			
DD-972					.001	.090	.567	.015
DD-976							.026	.538
Total	1.388	1.033	1.088	1.120	.922	.305	.593	.553

21. Shipwork (NonNuclear ROH), continued

Table 21.1.b: Historic/ Predicted Work - NonNuclear ROH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
DD-976	.070							
CG-54	.008	.251						
DD-964	.001	.227						
DD-965		.088	.230					
DD-971		.008	.261					
DD-967			.182	.045				
CG-62			.008	.275	.005			
CV-63			.004	.294	.193			
CG-59					.001	.199	.067	
DD-972						.064	.168	
DDG-54							.001	.207
Total	.079	.574	.685	.614	.199	.263	.236	.207

21. Shipwork (NonNuclear - ROH), continued

21.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to overhaul non-nuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to non-nuclear ROHs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 21.2: Maximum Potential Workload - NonNuclear ROH

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CG-54	.251						
DD-964	.227						
DD-965	.088	.230					
DD-971	.008	.261					
DD-967		.182	.045				
CG-62		.008	.275	.005			
CV-63		.004	.294	.193			
CG-59				.001	.199	.067	
DD-972					.064	.168	
DDG-54						.001	.207
CG-57	.008	.254					
DD-973				.042	.208		
CG-49						.219	.073
CG-50							.293
CG-56		.030	.259				
DDG-995		.153	.133				
DDG-993			.111	.186			

CG-70						.093	.159
DD-992	.371						
DDG-994				.206	.102		
DDG-996				.310	.028		
DD-963	.224						
DD-969					.231		
DD-983					.092	.091	
CG-67						.127	.140
Total	1.177	1.122	1.117	.943	.924	.766	.872

NOTE: Dock availabilities and maximum capacity are limiting factors.

21.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional overhaul capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

21. Shipwork (NonNuclear - ROH), continued

21.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship ROH present operations and/or development (encroachments, pollutant discharge, etc.)?

No

22. Shipwork (NonNuclear - COH)

22.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Complex Overhauls (COH) of nonnuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 22.1.a: Historic / Predicted Work - NonNuclear COH
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
LHA-5	.476	.162						
LHA-1	.003	.168	.459					
LHA-3					.005	.542	.032	
LHA-5						.003	.552	.252
LHA-1								.028
Total	.479	.330	.459		.005	.545	.584	.280

22. Shipwork (NonNuclear - COH), continued

Table 22.1.b: Historic / Predicted Work - NonNuclear COH

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
LHA-1	.705	.001						
LHA-5					.363	.645		
LHD-2						.136	.432	
LHA-1							.249	.718
LHD-4								.099
Total	.705	.001			.363	.781	.681	.817

22.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to overhaul nonnuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to nonnuclear COHs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 22.2: Maximum Potential Workload - NonNuclear COH

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
LHA-1	.001						
LHA-5				.363	.645		
LHD-2					.136	.432	
LHA-1						.249	.718
LHD-4							.099
LHA-4					.495	.465	
LHD-1							.305
Total	.001			.363	1.276	1.146	1.122

NOTE: Production demand and large dock availability are limiting factors.

22.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional overhaul capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

22.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship COH present operations and/or development (encroachments, pollutant discharge, etc.)?

No

23. Shipwork (NonNuclear - DPMA)

23.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Docking Phased Maintenance Availability (DPMA) of nonnuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 23.1.a: Historic / Predicted Work - NonNuclear DPMA
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
LSD-36						.001	.131	
AOR-7							.088	.077
LPD-5								.096
LSD-39								.088
Total						.001	.219	.261

Table 23.1.b: Historic / Predicted Work - NonNuclear DPMA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

23. Shipwork (NonNuclear - DPMA), continued

23.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to provide docking PMAs for nonnuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to nonnuclear DPMA's without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 23.2: Maximum Potential Workload - NonNuclear DPMA

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
AD-43			.078				
AD-44	.046	.022					.069
AE-28			.059				.050
AE-29		.125					
AE-34		.055					.050
AO-177				.054			
AO-178		.067					.053
AO-179	.069				.054		
AO-180			.054				
AO-186			.066				.039
AOE-1			.093	.093			
AOE-2	.189				.116	.056	
AOE-3						.174	
AOE-4				.106	.070		
AOE-6				.110			
AOE-7						.106	

AOE-8					.119		
AOE-9						.105	
AOR-4		.065				.039	.015
AOR-6	.059						
LKA-117		.063					.057
LPD-4	.094						
LPD-5				.094			
LPD-6		.094				.033	.061
LPD-7		.063	.037				.100
LPD-14						.108	
LPD-9					.075	.024	
LPD-10			.105				.061
LPD-13				.106			
LPD-12				.076	.051		
LSD-36		.080	.052				.107
LSD-37			.105				
LSD-41		.061					
LSD-44					.057		
LSD-45	.014	.047					
LSD-46	.069						
LSD-47		.060	.016				
LSD-50					.057		
LST-1188			.071				
LST-1192					.065		
LST-1194			.071				
Total	.540	.802	.807	.639	.664	.645	.662

NOTE: Dock availability and maximum capacity are limiting factors.

23.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional docking PMA capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

23.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship DPMA present operations and/or development (encroachments, pollutant discharge, etc.)?

No

24. Shipwork (NonNuclear - PMA)

24.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Phased Maintenance Availability (PMA) of nonnuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 24.1.a: Historic/ Predicted Work - NonNuclear PMA
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
LSD-39						.017		
AOR-5						.065		
Total						.082		

Table 24.1.b: Historic/ Predicted Work - NonNuclear PMA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Total								

24. Shipwork (NonNuclear - PMA), continued

24.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to provide PMAs for nonnuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to non-nuclear PMAs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 24.2: Maximum Potential Workload - NonNuclear PMA

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
AD-43	.023	.024			.057		.046
AD-44			.050		.050		
AE-27		.045			.046	.022	.023
AE-28	.050			.047		.045	
AE-29			.039	.059			
AE-32	.050						
AE-33		.045					
AE-34			.015	.030	.051		
AE-35	.045	.006					
AO-177	.062		.055			.033	.033
AO-178				.032	.021	.014	
AO-179		.020	.019	.033			.032
AO-180	.020	.050		.014	.021	.033	
AO-186	.051			.028	.013	.032	
AOE-1		.141			.124	.100	.019
AOE-2		.127		.125			
AOE-3			.129		.129		

AOE-4	.137		.132			.117	.117
AOE-6		.057	.057		.029	.029	.058
AOE-7			.110	.018	.038		
AOE-8			.040	.070		.018	.040
AOE-9			.054	.054			
AOE-10					.056	.018	.037
AOE-11						.054	
AOR-6			.043	.035	.007		.017
LKA-117				.047		.048	
LPD-4			.079	.054			
LPD-5			.079			.078	.053
LPD-7	.071						
LPD-9		.087					.084
LPD-10	.029	.029					
LPD-12		.085					.079
LPD-13		.109					.083
LPD-14							.083
LPD-15	.040	.014					
LSD-36	.045						
LSD-39	.037						
LSD-40	.037						
LSD-43	.054						
Total	.751	.839	.901	.646	.642	.641	.651

NOTE: Maximum capacity limited by facility maintenance berthing and crane capabilities.

24.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional PMA capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

24.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship PMA present operations and/or development (encroachments, pollutant discharge, etc.)?

No

25. Shipwork (NonNuclear - DSRA)

25.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Docking Selected Restricted Availability (DSRA) of non-nuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 25.1.a: **Historic/ Predicted Work - NonNuclear DSRA**
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
FF-1064			.009	.027				
BB-63				.094				
LKA-115				.102				
CG-49				.050				
FF-1066				.028	.020			
CV-61				.036	.153			
FF-1067					.047			

Activity 60258

FFG-19						.080		
CG-54						.055		
DD-964						.019	.062	
FF-1086							.042	.151
FF-1073							.014	.136
DD-971							.001	.069
FF-1087								.067
CG-59								.002
Total			.009	.337	.220	.154	.119	.425

25. Shipwork (NonNuclear - DSRA), continued

Table 25.1.b

: Historic/ Predicted Work - NonNuclear DSRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CG-59	.091							
FF-1079	.028	.026						
FF-1083	.034	.089						
FF-1088	.017	.144						
CV-64				.016	.485			
FML		.290	.435	.435	.400	.400	.400	.400
Total	.170	.549	.435	.451	.885	.400	.400	.400

25.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to provide DSRA's for nonnuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to non-nuclear DSRA's without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

25. Shipwork (NonNuclear - DSRA), continued

Table 25.2: Maximum Potential Workload - NonNuclear DSRA

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
FF-1079	.026						
FF-1083	.089						
FF-1088	.144						
CV-64			.016	.485			
CG-63	.080						
FFG-9	.001	.062					
DD-972		.072					
CG-49		.013	.080				
CG-67		.012	.069				
CG-50			.085				
DDG-53			.025	.066			
DDG-54			.003	.087			
CG-54				.002	.098		
CG-57					.030	.065	
DDG-65					.001	.089	
CG-62							.024
CG-65	.077						
CG-70			.095				
DD-964					.077		
DD-965					.023	.046	
DD-967						.069	
DD-971					.078		
DD-984					.065		

Activity 60258

DD-992					.069		
DDG-60					.081		
DDG-62						.089	
DDG-63						.090	
DDG-69							.090
DDG-71							.090
CG-53							.169
DD-966	.130						
CG-50			.043	.043			

Activity 60258

CG-55	.030	.062					
CG-56	.089					.040	.049
CG-61						.040	.049
CG-64		.088					
CG-66		.088					
DD-968	.074						
DD-969	.061						
DD-978	.112	.025					
FML	.290	.725	.725	.600	.600	.600	.600
Total	1.265	1.147	1.141	1.283	1.118	1.128	1.071

Note: Dock availability and maximum capacity are limiting factors.

25. Shipwork (NonNuclear - DSRA), continued

25.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional DSRA capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

em in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution syst Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

25.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship DSRA present operations and/or development (encroachments, pollutant discharge, etc.)?

No

26. Shipwork (NonNuclear - SRA)

26.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the Selected Restricted Availability (SRA) of nonnuclear ships that were realized or are projected for this type of work through the period requested in the Tables.

Table 26.1.a: **Historic/ Predicted Work - NonNuclear SRAs**

prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	yFY 1993
BB-63	.040							
FFG-33	.025	.002						
FF-1054	.020	.033						
BB-63	.002	.136						
FFG-19		.004						
BB-62		.328	.010					
LHA-3			.110					

Activity 60258

LHA-5			.005	.086				
WHEC-720					.018			
FFG-61					.071			
CG-54					.025			
FF-1064					.015			
LHA-1					.134	.014		
WHEC-723						.013		
WHEC-722						.012		
CG-59						.020	.057	
WHEC-725							.008	
WHEC-719							.003	.008
CG-54							.007	.048
DD-964								.038
CV-63								.038
WHEC-718								.010
WHEC-724								.010
WHEC-726								.003
LHD-2							.001	.048
FFG-54								.001
Total	.087	.503	.125	.086	.263	.059	.076	.204

26. Shipwork (NonNuclear - SRA), continued

Table 26.1.b: Historic/ Predicted Work - NonNuclear SRA

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
LHD-2	.056							
WHEC-726	.006							
FFG-54	.099							
FFG-9	.032	.002						
FFG-19	.031	.003						
LHD-4		.001	.091					
Total	.224	.006	.091					

26. Shipwork (NonNuclear - SRA), continued

26.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the capability to provide SRAs for nonnuclear ships at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to nonnuclear SRAs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 26.2: Maximum Potential Workload - NonNuclear SRA

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
LHD-2	.141	.001	.115				.009
LHA-5		.143	.014			.003	.088
LHA-1		.005	.153				
LHD-4	.001	.091	.005	.158	.004	.120	
LHD-6					.091	.002	.087
FFG-9	.002						
FFG-19	.003						
CG-49	.052			.056			
CG-50		.052			.055		
CG-54			.064				.064
CG-57				.064			
CG-59		.048	.039	.019			.052
CG-62		.048				.048	
CG-63			.048				.048
CG-65			.050				
CG-67	.063				.048		

Activity 60258

CG-70	.057				.063		
CG-73		.100				.048	
DD-964			.042				
DD-965				.042			.042
DD-967				.042			
DD-971				.042			.042
DD-972				.042			
DD-973			.030				.042
DD-976		.027			.038		
DD-984			.054			.041	
DD-986		.008	.039			.040	
DD-990		.040					.040
DD-992			.051				.042
DDG-53		.066			.060		
DDG-54		.061			.044	.020	
DDG-56			.071			.051	
DDG-59			.060				.060
DDG-60			.062				.048
DDG-62				.062			
DDG-63				.060			
DDG-65				.060			
DDG-69					.060		
DDG-71						.060	

DDG-73						.060	
DDG-994		.044				.043	
DDG-996		.044				.043	
FFG-12					.044		
LHA-3	.060	.060					
DD-966					.043	.028	
DD-975	.068						
LHA-4	.077	.051					
LHD-3	.183						
LHA-2					.099		
Total	.707	.801	.897	.647	.649	.607	.664

NOTE: Maximum capacity limited by facility maintenance berthing and crane capabilities.

26. Shipwork (NonNuclear - SRA), continued

26.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SRA capability for nonnuclear ships at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

26.4. Are there any environmental, legal, or otherwise limiting factors that inhibit non-nuclear ship SRA present operations and/or development (encroachments, pollutant discharge, etc.)?

No

27. Shipwork (NonNuclear - SCOs)

27.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the depot maintenance of floating dry-docks Service Craft Overhauls (SCO) that were realized or are projected for this type of work through the period requested in the Tables.

Table 27.1.a: **Historic / Predicted Work - SCOs**

(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Total	0	0	0	0	0	0	0	0

27. Shipwork (NonNuclear - SCOs), continued

Table 27.1.b: Historic / Predicted Work - SCOs

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
AFDM-14		.093	.051			.001	.142	
ARDM-5			.043	.112				
Total		.093	.094	.112		.001	.142	

27.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the SCO capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to SCOs without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 27.2: Maximum Potential Workload - SCOs

AFDM Hull#	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
AFDB-8		.119					
AFDM-6		.054	.054	.051		.071	.072
AFDM-14	.093	.051			.001	.142	
ARDM-5		.043	.112				
AFDL-6			.073				
AFDL-23			.060				
AFDM-5		.060		.060			
AFDM-7				.146			
AFDM-8						.119	
AFDM-10	.143					.143	
Total	0.236	.327	.299	.257	.001	.475	.072

NOTE: Maximum potential limited by available production demand and dock availability.

27. Shipwork (NonNuclear - SCOs), continued

27.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional SCO capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

27.4. Are there any environmental, legal, or otherwise limiting factors that inhibit your SCO present operations and/or development (encroachments, pollutant discharge, etc.)?

No

28. Shipwork (NonNuclear - Inactivations)

28.1 Given the current configuration of the shipyard, provide by ship's hull number the DLMYs for the inactivation of nonnuclear ships (including conversion to RRF or RRT status) that were realized or are projected for this type of work through the period requested in the Tables.

Table 28.1.a: **Historic/ Predicted Work - NonNuclear Inactivations**
(1986-1992: prior to costing change)

Ship Hull #	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
BB-62					.038	.100		
BB-63							.018	
CV-61								.077
Total					.038	.100	.018	.077

28. Shipwork (NonNuclear - Inactivations), continued

Table 28.1.b: Historic/ Predicted Work - NonNuclear Inactivations

Ship Hull #	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CV-61	.073							
Total	.073							

Note: Maximum potential workload limited by available production demand.

28.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the inactivation assistance capability for nonnuclear ships, at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to inactivations without a significant increase in overhead costs and/or rates assuming that you also have to execute the above workload and meet your cost schedule commitment to your customers.

Table 28.2: Maximum Potential Workload - NonNuclear Inactivations

Ship Hull #	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
AD-37		.072					
AD-42		.072					
AS-37						.067	
Total		.144				.067	

Note: Maximum potential workload limited by available production demand.

28.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional inactivation assistance capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

None

28. Shipwork (NonNuclear - Inactivations), continued

28.4. Are there any environmental, legal, or otherwise limiting factors that inhibit inactivation assistance present operations and/or development (encroachments, pollutant discharge, etc.)?

No

29. Other Productive Work

29.1 Given the current configuration of the yard, provide the DLMYs for the production work, other than shipwork, that were realized or are projected for this type of work through the period requested in the Tables. Provide separate entries for Nuclear and NonNuclear OPW.

Table 29.1.a: Historic/ Predicted Work - Other Productive Work
(1986-1992: prior to costing change)

OPW	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Nuclear								
NonNuclear	.373	.327	.549	.414	.303	.317	.321	.362
Total	.373	.327	.549	.414	.303	.317	.321	.362

Table 29.1.b: Historic/ Predicted Work - Other Productive Work

OPW	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear								
NonNuclear	.307	.327	.327	.327	.327	.327	.327	.327
Total	.307	.327	.327	.327	.327	.327	.327	.327

29. Shipwork (Other Productive Work), continued

29.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the production work other than shipwork capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to other production work without a significant increase in overhead costs and/or rates assuming that you also have to execute the above shipwork and other workload and meet your cost schedule commitment to your customers. Enter separate line items for Nuclear and NonNuclear OPW.

Table 29.2: Maximum Potential Workload - Other Productive Work

OPW	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear							
Non-Nuclear Predicted 29.1.b	.327	.327	.327	.327	.327	.327	.327
Other Non- Nuclear	.164	.164	.164	.164	.164	.164	.164
Total	.491	.491	.491	.491	.491	.491	.491

29.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional other production work capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

None

29.4. Are there any environmental, legal, or otherwise limiting factors that inhibit development of productive work capability other than shipwork (encroachments, pollutant discharge, etc.)?

No

Activity 60258

29. Shipwork (Other Productive Work), continued

29.5 Break out the total DLMYs reported in Table 29.1.b into the following functional categories. Using the Commodity Groups listing provided in the Notes at the beginning of this Data Call, identify other applicable workload performed, if necessary.

Table 29.5: Historic & Predicted OPW Functional Workload

All OPW		FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Ground & Shipboard Comm & Electronic Eqmt	Radars	.023	.018	.020	.020	.020	.020	.020	.020	.020
	Radio Comm	.003	.002	.003	.003	.003	.003	.003	.003	.003
	Wire Comm	.001	.001	.001	.001	.001	.001	.001	.001	.001
	EW	.003	.003	.003	.003	.003	.003	.003	.003	.003
	NAVAIDs	.009	.008	.008	.008	.008	.008	.008	.008	.008
	Circuit Cards	.003	.002	.003	.003	.003	.003	.003	.003	.003
	ElecMtrs MG sets	.010	.008	.010	.010	.010	.010	.010	.010	.010
Software	Tactical Systems									
	SupEqpt									
Calibration (Mech.) Type I		.001	.001	.001	.001	.001	.001	.001	.001	.001
Calibration (Elec) Type II&III		.010	.008	.008	.008	.008	.008	.008	.008	.008
Electroplating		.002	.002	.002	.002	.002	.002	.002	.002	.002
Casting Mfrg										
Other Machining / Manufacturing		.033	.027	.031	.031	.031	.031	.031	.031	.031
All Other OPW		.264	.227	.237	.237	.237	.237	.237	.237	.237
Total		.362	.307	.327	.327	.327	.327	.327	.327	.327

30. Restricted Availability/Technical Availability

30.1 Given the current configuration of the yard, provide DLMYs for Restricted Availabilities and Technical Availabilities (RATA), other than shipwork reported above, that were realized for or are projected for this type of work through the period requested in the Tables. Provide separate entries for Nuclear and NonNuclear RATA.

Table 30.1.a: **Historic/ Predicted Work - RATA**
(1986-1992: prior to costing change)

RATA	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Nuclear								
NonNuclear	.249	.173	.210	.185	.164	.147	.107	.077
Total	.249	.173	.210	.185	.164	.147	.107	.077

Table 30.1.b: **Historic/ Predicted Work - RATA**

RATA	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear								
Non-Nuclear	.063	.081	.098	.098	.098	.098	.098	.098
Total	.063	.081	.098	.098	.098	.098	.098	.098

30. RATA, continued

30.2 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, maximum apprentice training, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which the production work other than shipwork capability at this NSYD could be expanded? Please provide the response in absolute number of DLMYs that could be applied to RATA without a significant increase in overhead costs and/or rates assuming that you also have to execute the above shipwork and other workload and meet your cost schedule commitment to your customers. Enter separate line items for Nuclear and NonNuclear RATA.

Table 30.2: Maximum Potential Workload - RATA

RATA	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Nuclear							
Non-Nuclear RATA 30.1.b	.081	.098	.098	.098	.098	.098	.098
Other Non- Nuclear	.115	.098	.098	.098	.098	.098	.098
Total	.196	.196	.196	.196	.196	.196	.196

30.3 What plant modifications, infrastructure, IPE and/or facility improvements could be performed that would significantly open up additional RATA capability at this yard? Assume an environment unconstrained by funds or manning, but do not assume major MILCON on the order of additional drydocks. Please provide description, cost, and additional capability that would be realized. What would be the payback period or return on investment?

Facility Improvement - Accomplish MCON P-161, Electrical Distribution Lines. Project upgrades electrical distribution system in Drydocks 1, 2, 3 and Pier 3 and increases available ship service power by 237%. Cost is \$7.0M. Savings/Investment ratio is 2.38 with a discounted payback period of less than five years. Cranes - overhaul (1) Portal crane in FY 95 (\$1.5M). Purchase (2) 60 ton portal cranes (\$12.0M). Replace (5) truck cranes (\$3M).

30.4. Are there any environmental, legal, or otherwise limiting factors that inhibit development of RATA capability other than shipwork (encroachments, pollutant discharge, etc.)?

No

31. Mission Area Workload Summary

In the following tables bring the information from the tables in Section 1-30 forward into the tables that follow and calculate workload variance for FY 1995-2001.

The total values for Maximum Potential Workload shown on the prior tables (those labeled #.2 in the preceding 30 sections) may not always transcribe directly to the Potential Workload column on the seven Predicted Workload Variance Tables that follow.

Provide responses in an absolute number of DLMYs that could be applied, without a significant increase in overhead cost/rates, assuming that you also have to (a) execute the projected workload and (b) meet your cost schedule commitments to your customer.

Remember that Potential Workload for these latter tables should be predicted within the framework of the total Navy corporate mix of depot events at durations/intervals consistent with: OPNAVNOTE 4700 (latest) (subj: "Notional Durations, Intervals, and Repair Mandays for Depot Level Availabilities of United States Navy Ships") and OPNAVINST 4700.7 (series) (subj: "Policies and Procedures for Maintenance of Ships").

Appropriately tabulated, the Potential Workload column should reflect the total potential workload for your yard with no remaining surplus capability for either emergency repair of battle damage, or depot repairs of other emergent damage.

31. Mission Area Workload Summary, continued

Table 31.1.a: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1995
(Normal Shift Structure)

EVENT	FY 1995	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.a Total				

31. Mission Area Workload Summary, continued

Table 31.1.b: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1995
(Normal Shift Structure)

EVENT	FY 1995	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.574	.952	.378
Non Nuclear COH		.001	.001	0
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.549	.549	0
Non Nuclear SRA		.006	.387	.381
Non Nuclear SCO		.093	.093	0
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.081	.196	.115
Table 31.1.b Total		1.631	2.669	1.038
Table 31.1.a Total				
FY 1995 Total		1.631	2.669	1.038

31. Mission Area Workload Summary, continued

Table 31.1.c: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 1996*
(Normal Shift Structure)

EVENT	<i>FY 1996</i>	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.c Total				

31. Mission Area Workload Summary, continued

Table 31.1.d: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 1996*
(Normal Shift Structure)

EVENT	<i>FY 1996</i>	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.685	.947	.262
Non Nuclear COH				
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.435	.435	0
Non Nuclear SRA		.091	.473	.382
Non Nuclear SCO		.094	.094	0
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.d Total		1.730	2.636	.906
Table 31.1.c Total				
FY 1996 Total		1.730	2.636	.906

31. Mission Area Workload Summary, continued

Table 31.1.e: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1997
(Normal Shift Structure)

EVENT	FY 1997	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.e Total				

31. Mission Area Workload Summary, continued

Table 31.1.f: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1997
(Normal Shift Structure)

EVENT	FY 1997	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.614	.814	.200
Non Nuclear COH				
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.451	.451	0
Non Nuclear SRA		0	.442	.442
Non Nuclear SCO		.112	.112	0
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.f Total		1.602	2.506	.904
Table 31.1.e Total				
FY 1997 Total		1.602	2.506	.904

31. Mission Area Workload Summary, continued

Table 31.1.g: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 1998*
(Normal Shift Structure)

EVENT	<i>FY 1998</i>	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.g Total				

31. Mission Area Workload Summary, continued

Table 31.1.h: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1998
(Normal Shift Structure)

EVENT	FY 1998	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.199	.256	.057
Non Nuclear COH		.363	.363	0
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.885	.885	0
Non Nuclear SRA		0	.433	.433
Non Nuclear SCO				
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.h Total		1.872	2.624	.752
Table 31.1.g Total				
FY 1998 Total		1.872	2.624	.752

31. Mission Area Workload Summary, continued

Table 31.1.i: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 1999*
(Normal Shift Structure)

EVENT	<i>FY 1999</i>	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.i Total				

31. Mission Area Workload Summary, continued

Table 31.1.j: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 1999
(Normal Shift Structure)

EVENT	FY 1999	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.263	.568	.305
Non Nuclear COH		.781	.781	0
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.400	.400	0
Non Nuclear SRA		0	.253	.253
Non Nuclear SCO		.001	.001	0
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.j Total		1.870	2.690	.820
Table 31.1.i Total				
FY 1999 Total		1.870	2.690	.820

31. Mission Area Workload Summary, continued

Table 31.1.k: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 2000*
(Normal Shift Structure)

EVENT	<i>FY 2000</i>	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.k Total				

31. Mission Area Workload Summary, continued

Table 31.1.1: PREDICTED WORKLOAD VARIANCE OF NSYD FOR *FY 2000*
(Normal Shift Structure)

EVENT	<i>FY 2000</i>	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.236	.470	.234
Non Nuclear COH		.681	.681	0
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.400	.400	0
Non Nuclear SRA		0	.305	.305
Non Nuclear SCO		.142	.142	0
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.1 Total		1.884	2.685	.801
Table 31.1.k Total				
FY 2000 Total		1.884	2.685	.801

31. Mission Area Workload Summary, continued

Table 31.1.m: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 2001
(Normal Shift Structure)

EVENT	FY 2001	Predicted Work	Potential Workload	Variance
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 31.1.m Total				

31. Mission Area Workload Summary, continued

Table 31.1.n: PREDICTED WORKLOAD VARIANCE OF NSYD FOR FY 2001
(Normal Shift Structure)

EVENT	FY 2001	Predicted Work	Potential Workload	Variance
Non Nuclear ROH		.207	.476	.269
Non Nuclear COH		.817	.817	0
Non Nuclear DPMA				
Non Nuclear PMA				
Non Nuclear DSRA		.400	.400	0
Non Nuclear SRA		0	.316	.316
Non Nuclear SCO				
Other INACTs				
OPW:	Nuclear			
	NonNuclear	.327	.491	.164
RATA:	Nuclear			
	NonNuclear	.098	.196	.098
Table 31.1.n Total		1.849	2.696	.847
Table 31.1.m Total		0	0	0
FY 2001 Total		1.849	2.696	.847

Features and Capabilities**32. Manpower Factors**

32.1 For the following Shops provide your most current work force summary broken out in the categories below. Add other critical Shops or Work Stations and their workforce make-up as appropriate, in Table 32.2, following the listed facility types. Comment in the space following the Tables for any work effort not otherwise reported.

Table 32.1.a: Manpower Factors

Shop Type	Management	First Line Supervisors	Journeyman	Apprentices	Other Direct Labor
Central Tool Shop (06)	0	0	1	0	6
Shipfitting Shop (11)	1	6	146	0	20
Sheet Metal (17)	1	2	53	0	12
Forge and Heat Treatment (23)	0	1	7	0	0
Welding (26)	1	3	126	0	39
Q.A. Office	3	1	15	0	0
Optical Shop	0	0	5	0	0
Weapons Shop (36)	0	2	15	0	0
Inside Machine (31)	3	9	115	0	15
Marine Machine (38)	2	7	92	0	10
Boilermaker Shop (41)	0	2	37	0	18
Electrical Shop (51)	3	11	135	0	33
Pipefitter (56)	2	7	121	0	14
Woodworking (64)	0	0	1	0	0
Electronics Shop (67)	1	4	44	0	4
Boat Shop	0	0	1	0	0
Abrasive Blast Facility	0	1	0	0	8
Paint & Blasting (71)	3	8	49	0	223

32. Manpower Factors, continued

Table 32.1.b: Manpower Factors, continued

Shop Type / Work Station	Management	First Line Supervisors	Journeyman	Apprentices	Other Direct Labor
Rigging Shop (72)	2	4	55	0	40
Sail Loft	0	0	2	0	3
Foundry (81)	0	1	3	0	0
Pattern Maker (94)	0	1	3	0	0
Nuclear Repair	0	0	0	0	0
Temporary Svcs (99)	0	2	23	0	18
Drydocks	2	1	8	0	0
Drydock Pumphouse					
Divers Change House	0	1	7	0	0
Ship Svcs Support	0	0	0	0	0
Ships/Spares Storage	1	1	2	0	0
Marine Railway	0	0	0	0	0
Fixed Crane Structures	0	0	4	0	0
Calibration (52)	1	1	19	0	0
Refit / Restoration (66)	1	3	49	0	3
Services (72)	0	0	0	0	0
Public Works (07)	3	12	106	0	42
Utilities (99)	2	8	49	0	0
Shipwright/Boatbuilder / Fabricworker (64)	2	5	86	0	61
Insulator (57)	0	0	32	0	15
Nuclear Log Rm (950)	0	0	0	0	0

Activity 60258

32. Manpower Factors, continued

32.2 Enter all other critical Shops or Work Stations and their work force composition into the following table.

Table 32.2: Other Manpower Factors

Shop Type / Work Station	Management	First Line Supervisors	Journeyman	Apprentices	Other Direct Labor
Engineering & Planning Dept	15	26	269	0	11
OSH		1	9	0	0
Environmental		2	16	0	0

33. Physical Space for Industrial Support

33.1 Identify the area in thousands of square feet (KSF) (or other appropriate unit) (specify) and the condition of each of the following work centers and shops.

NOTE: 75% of the deficiencies defining substandard conditions are related to changes in building codes to meet seismic standards. All of our facilities have withstood earthquakes of 6.9 magnitude with only superficial damage and pose no safety problem. All seismic related deficiencies are programmed for resolution during FY 95-97.

Table 33.1.a: Work Centers/Facilities Conditions

CCN	Shop Type / Work Stations	Units KSF	Condition			Comments
			Adequate	Inadequate	Substandard	
213-41	Central Tool (06)	102.1	2.0	0	100.1	A30, E05, C45
213-42	Shipfitting Shop (11)	107.2	0	0	107.2	A30, E05
213-43	Sheet Metal (17)	50.2	0	0	50.2	A30, C45
213-44	Forge & Heat Treatment (23)					Included in 21353
213-45	Welding (26)	43.7	0	0	43.7	A30, C45
213-48	Q.A.	27.7	0	0	27.7	C45
213-50	Optical Shop					Included in 21351
213-51	Weapons Shop (36)	63.2	0	0	63.2	C45
213-49	Inside Machine (31)	263.7	0	0	263.7	C45
213-52	Marine Machine (38)	93.0	5.6	0	87.4	A30, C45
213-53	Boilermaker (41)	64.2	0	0	64.2	A30, C45
213-54	Electrical (51)	101.4	0	0	101.4	C45
213-55	Pipefitter (56)	155.7	7.0	0	148.7	C45
213-56	Woodworking (64)	60.0	0	0	60.0	C45
213-57	Electronics (67)	152.7	0	0	152.7	C45
213-58	Boat Shop					Included in 21356
213-59 / 60	Abrasive Blast / Paint Facility (71)	69.5	43.9	0	25.6	A30, C45

33. Physical Space for Industrial Support, continued

Table 33.1.b: Work Centers/Facilities Conditions

CCN	Shop Type / Work Stations	Unit KSF	Condition			Comments
			Adequate	Inadequate	Substandard	
213-61	Rigging Shop (72)	54.4	1.9	0	52.5	A30, E05, C45
213-62	Sail Loft					Included in 21356
213-63	Foundry (81)					Included in 21353
213-64	Pattern Maker (94)	13.8	0	0	13.8	C45
213-65	Nuclear Repair					N/A
213-66	Temporary Svc (99)	22.8	12.4	0	10.4	C45
213-10	Drydocks	305.1	305.1	0	0	
213-67	Drydock Pumphouse	0	0	0	0	
213-68	Divers Change House					Included in 21361
213-70	Ship Svc Support	19.5	16.7	0	2.8	C03, E05, A30
213-77	Ships/Spares Storage	97.2	32.9	0	64.3	A30, C45
213-20	Marine Railway	0	0	0	0	
213-40	Fixed Crane Structures	0	0	0	0	
151-20	GP Berth Pier *	4888FB	4888FB	0	0	LIMITED WHE
151-50	GP Repair Pier	4459FB	4459FB	0	0	
152-20	Berth Wharf *	1350FB	1350FB	0	0	NO WHE CAPABILITY; LIMITED UTILITIES
152-50	Repair Wharf *	1610FB	1610FB	0	0	WHE REDUCED
154-20	Quaywalls	7997LF	4564LF	0	3433LF	A30
155-10	Fleet Landing	0	0	0	0	
155-20	Small Craft Berthing	720FB	720FB	0	0	
860-10	Railroad Trackage	1.8MI	1.8MI	0	0	

- * Piers 6 and Pier E (west and south faces) will be transfer from NAVSTA Long Beach to LBNSY 1 October 94.

Deficiency code definitions:

- A30 Physical condition - Building or structure (total)
- C03 Design criteria - Environmental control systems
(air condition, etc.)
- C45 Design criteria - To comply with current seismic codes
- E05 Nonexistent - Fire deterrent system

33. Physical Space for Industrial Support , continued

33.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all shops and work centers in Tables 33.1.a and 33.1.b above where inadequate facilities are identified, provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

None

33. Physical Space for Industrial Support , continued

33.3 What is the actual useable area in total KSF of applicable floor space in appropriate structures for facilities to perform industrial support functions?

33.4 What is the planned requirement (to support planned ship maintenance and modification over the next five years) in total KSF of applicable floor space in appropriate structures for facilities to perform industrial support functions?

33.5 Given the foregoing, what is the surplus area in total KSF of applicable floor space in appropriate structures for facilities to perform industrial support functions?

Table 33.3 : Industrial Support Physical Space

Categories of Space	Actual Area (KSF)	Required Area (KSF)	Surplus Area (KSF)
Office, warehouse, & external storage for procurement, storage, security, issue, packaging, and shipment, etc.	266.4	266.4	0
Office space for command, management, & administrative, etc.	126.6	126.6	0
Office space for drafting, work planning, & computer aided design, etc.	123.4	123.4	0
Storage for technical manuals & drawings of equipment/components for life-cycle management, etc.	23.3	23.3	0

33. Physical Space for Industrial Support, continued

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

Table 33.6: Real Estate Resources

Site Location: LBNSY

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	168	168	0	0
Operational	0	0	0	0
Training	0	0	0	0
R & D	0	0	0	0
Supply & Storage	11	11	0	0
Admin	34	34	0	0
Housing	0	0	0	0
Recreational	0	0	0	0
Navy Forestry Program	0	0	0	0

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Navy Agricultural Outlease Program	0	0	0	0
Hunting/Fishing Programs	0	0	0	0
Other(submerged)	130	130	0	0
Total:	343	343	0	0

NOTE: No environmental restrictions.

NOTE: Pier E has 14.6 acres of underutilized parking and open area that can be made available for industrial support.

34. Facility and Equipment Values

34.1 Identify the facility and equipment values for your activity in the Table below, as executed/budgeted for the period requested. As applied herein:

- Maintenance of Real Property (MRP) is the budgetary term gathering the expenses or budget requirements for facility work and includes recurring maintenance, major repairs and minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call, MRP includes all M1/R1 and M2/R2 expenditures.
- Current Plant Value (CPV) refer to incorporates Class 2 Real Property and is the hypothetical dollar amount required to replace a Class 2 facility in kind at today's dollars (e.g.: the cost today to replace an existing wood frame barracks with another barracks, also wood frame).
- Acquisition Cost of Equipment (ACE) reports the total cumulative acquisition cost of all "Personal Property" equipment which includes the cost of installed equipments directly related to mission execution (such as lab test equipment). Class 2 installed capital equipment which is integral to the facility should not be reported as ACE.

Table 34.1: Expenditures and Equipment Values

FY	MRP (\$ K)	CPV (\$ K)	ACE (\$ K)
1986	8,916	796,187	10,309
1987	13,522	810,167	4,321
1988	10,097	826,370	10,426
1989	10,618	878,212	765
1990	11,858	847,042	7,939
1991	11,020	850,934	3,459
1992	13,715	884,956	692
1993	15,874	920,882	1,372
1994	17,331	946,943	776
1995	16,054	1,039,285	3,235
1996	16,752	1,070,360	3,623
1997	17,191	1,102,471	3,412

35. Facility Limitations

35.1 Provide the maximum number of ship types and depot events that can be simultaneously worked under normal single shift operations in the present shipyard facilities (without improvements to the yard). Given the assumptions applied in the Mission Area portion of this Data Call (question #.2 of sections 1 through 30), provide the maximum number of ship types and depot events that could be simultaneously worked in the shipyard if it were expanded to maximum production capability (with the most reasonable set of practical improvements to the yard). As limiting factors, include any ship berthing, drydock, crane, shop space, assembly area, tools/equipment, technical documentation, replacement parts storage/issue, or pre-processing, etc., which physically restrict your industrial plant.

Table 35.1: Facility Limitations

Ship Type / Depot Event	Number of Depot Events that can be Simultaneously Worked		
	Present Configuration	Maximum Production	Limiting Factors
LHA/LHD-COH	2	2	Large drydock availability
DD/DDG/CG-ROH	2	3	Medium drydock availability
Non-Nuclear DPMA/DSRA	3	5	Medium drydock availability
Non-Nuclear PMA/SRA	4	9	Crane availability and utility limitation at maintenance piers

36. Productive Output Factors

36.1 For the following Shops provide your productive output estimates in DLMYs. Add other critical Shops or Work Stations as appropriate and their planned productive output below the listed facility types.

Table 36.1.a: Productive Output Factors (DLMYs)

Shop Type	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Central Tool Shop (06)	.001	.001	.001	.001	.001	.001	.001	.001
Shipfitter (11)	.100	.112	.109	.104	.112	.119	.147	.123
Sheetmetal (17)	.047	.050	.050	.040	.043	.055	.046	.053
Foundry/Forge/Heat Trtmt	.004	.005	.006	.006	.007	.007	.005	.007
Welding (26)	.100	.120	.114	.094	.088	.119	.151	.149
Inside Machine (31)	.053	.055	.053	.045	.047	.060	.050	.052
Outside Marine Machine (38)	.070	.064	.070	.072	.099	.093	.078	.080
Boilermaker (41)	.038	.048	.059	.057	.062	.056	.050	.056
Electrical (51)	.151	.113	.129	.106	.116	.148	.138	.138
Pipefitting (56)	.095	.102	.098	.099	.106	.107	.107	.109
Wood/Plastics/Insulators (64)	.116	.122	.135	.132	.124	.131	.140	.126
Electronics (67)	.042	.048	.058	.023	.036	.064	.043	.048
Paint/Blasting (71)	.163	.184	.216	.196	.307	.264	.270	.252
Rigging (72)	.079	.084	.085	.086	.147	.096	.100	.101
Temp Svcs (99)	.031	.034	.032	.034	.064	.040	.043	.044
Radiological Controls (105)								
Total	1.090	1.142	1.215	1.095	1.359	1.360	1.369	1.339

36. Productive Output Factors, continued

Table 36.1.b: Productive Output Factors (DLMYs)

Shop Type	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Occ Safety & Health (106)	.006	.007	.006	.007	.007	.007	.007
Environmental Affairs (106/120)	.001	.001	.001	.001	.001	.001	.001
Quality Assurance (130)	.001	.001	.001	.001	.001	.001	.001
Engineering & Planning (200)	.164	.172	.162	.188	.188	.190	.187
Operations Dept (300 & Project Mgrs)	.098	.103	.097	.112	.113	.112	.111
Supply Dept (500)	.001	.001	.001	.001	.001	.001	.001
Business & Strategic Planning (1200)	.044	.046	.044	.052	.051	.052	.050
Nuc QA (1300)							
Nuc Eng & Plng (2300)							
Engineers - Conv (240)							
Engineers - Nuc (2300)							
RADCON (105)							
Fire	.026	.028	.031	.028	.027	.028	.028
Security	.032	.028	.029	0	0	0	0
Facilities & Maintenance	.116	.128	.135	.123	.121	.123	.123
Table 36.1.b Total:	.489	.515	.507	.513	.510	.515	.510
Table 36.1.a Total:	1.142	1.215	1.095	1.359	1.360	1.369	1.339
Activity Total	1.631	1.730	1.602	1.872	1.870	1.884	1.849

37. Berthing Capability

37.1 Identify the age and structural characteristics for each pier and wharf at your facility or under your cognizance by NAVFAC P-80 Category Code Number (CCN), and dimensions as requested. If unable to maintain the stated design dredge depth, provide explanatory comment following the Table. Identify water distance between adjacent piers, in lieu of slip width, where appropriate. Indicate if the pier is inside a Controlled Industrial Area or High Security Area and the Net Explosive Weight (NEW) ESQD limits, if applicable. Identify any additional controls required in the space following this Table. Identify the average number of days per year over the last eight years (the period FY 1987-1994) that the pier or wharf was out of service (OOS) for maintenance (including dredging of the associated slip).

Table 37.1: Pier and Wharf Characteristics

Pier or Wharf	Age	CCN	Moor Length (FT)	Design Dredge Depth (FT)(MLLW)	Slip Width (FT)	Pier Width (FT)	CIA / Security Area? (Y / N)	ESQD NEW Limit	Average Annual Days OOS
Pier 1	51	15150	2015	(43)(100)	600	125	Y	NONE	0
Pier 2	48	15150	2444	(39)(100)	600	125	Y	NONE	0
Pier 3	48	15150	2444	(40)(100)	500	125	Y	NONE	0
*Pier 6	48	15150	2444	(45)(100)	450	152	N	NONE	0
*Pier E	33	15250	2960	(40)(100)	700	40	N	NONE	0

Additional comments: Identify any piers or wharves already serving as dedicated berths (e.g. in support of inactive ships).

* Pier 6 and Pier E (west and south faces) will be transferred from NAVSTA LBEACH to LBNSY 1 October 94 as part of BRAC 91.

37. Berthing Capability, continued

37.2 Identify all MILCON improvements executed in the period FY 1986-1994 for each pier or wharf identified in Table 37.1.

Table 37.2: Pier and Wharf MILCON

Pier or Wharf	Year MILCON Executed	Nature of Improvement
NONE		

37.3 List all ESQD waivers currently in effect, with expiration dates, for all applicable piers and wharves identified in Table 37.1.

Table 37.3: ESQD Waivers In Effect

Pier or Wharf	Nature of Waiver	Date Waiver Expires
NONE		

37.4 For all piers and wharves at your facility or under your cognizance, indicate which, if any, are RO/RO and/or aircraft accessible, and conditions which apply.

Table 37.4: Pier and Wharf Access

Pier or Wharf	RO/RO Access?	Aircraft Access?
PIERS 1, 2, 3, & 6	NO	NO
PIER E	YES	NO

37.5 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

1900 Feet. Pier 2 and Facility 884 (finger piers). Finger piers are uniquely suited.

37. Berthing Capability, continued

37.6 Identify the ship support characteristics for each Pier and Wharf under your activity's cognizance. Indicate if the pier or wharf is listed in OPNAVINST 3000.8. For Compressed Air and Oily Waste disposal, list only permanently installed facilities. For steam, indicate below the Table if any piers or wharves provide certified steam. If any permanent fendering arrangement limits apply, identify them in the space following the Table.

Table 37.6: Pier and Wharf Ship Support Characteristics

Pier/ Wharf	NPW Berth? (Y/N)	KVA		*Comp. Air Pressure & Max Capability	Potable Water (GPD)	CHT (GPD)	** Oily Waste (GPD)	*** Steam (LBM/HR & PSI)	Fendering Limits (Y/N)
		Shore Power	4160V						
Pier 1	Include answer in separate annex	15000	0	105/1500	1220000	1152K		50000/ 150	N
Pier 2		13000	0	105/1500	1220000	1152K		50000/ 150	N
Pier 3		9000	0	105/1500	1220000	1152K		50000/ 150	N
Pier 6		15000	0	105/1500	2160000	1152K		50000/ 150	N
Pier E		25000	0	105/6000	4320000	3600K		90000/ 150	N

Additional comments:

* Compressed Air Pressure (PSIG) / Compressed Air Capability (SCFM)

** No oily waste facilities on piers. All oily waste is transported to an oily waste facility.
Maximum capacity is 150 GPM

*** Steam is certified

37. Berthing Capability, continued

37.7 For each pier and wharf listed above, state today's normal loading by ship class with current facility ship loading, the maximum berthing, maximum berthing for weapons handling evolutions, and maximum berthing to conduct maintenance. For ordnance handling capability, identify the maximum number of ships that can be moored at each pier or wharf to conduct ordnance handling evolutions, without necessitating berth shifts. Incorporate all applicable safety, ESQD, and access limitations. Include comments below the Table if necessary. For berthing in support of maintenance, list the maximum number of ships that can be serviced in maintenance availabilities at each pier or wharf without necessitating berth shifts to accommodate crane, laydown or access limitations. Provide any additional comments in the space following the Table.

Table 37.7: Pier and Wharf Normal Loading

Pier or Wharf	Typical Steady State Loading	Maximum Ship Berthing	Ordnance Handling Pierside?	Perform Maintenance Pierside?
PIER 1	1 LHA/LHD	(1) 4	(2) NONE	2
PIER 2	1 CV	(1) 4	(2) NONE	(3) 0
PIER 3	1 DD	(1) 2	(2) NONE	(4) 2
PIER 6	0	(1) 4	(2) NONE	(5) 0
PIER E WEST	1 AOR	(1) 3	(2) NONE	(5) 0
PIER E SOUTH	0	(1) 2	(2) NONE	(5) 0

Note 1: Maximum ship berthing and maintenance figures are based on a 564' AEGIS CG-47 Class. These figures would decrease when larger hulled ships are berthed at the piers.

Note 2: All ordnance handling will be done at Naval Weapons Station, Seal Beach or at ammo anchorages.

Note 3: Limited weight handling equipment due to restricted portal crane access. Pier used predominantly for deactivated ships (awaiting tow), floating cranes and other yard craft.

Note 4: Limited electrical service.

Note 5: Reduced weight handling equipment and utilities.

37. Berthing Capability, continued

37.8 How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.

1900 Feet. Pier 2 and Facility 884 (finger piers). Finger piers are uniquely suited.

37.9 What is the average pier loading in ships per day due to visiting ships at your facility/piers or wharves under your cognizance? Indicate if this varies significantly by season.

None

37.10 Given no funding or manning limits, what modifications or improvements would you make to the waterfront infrastructure to increase the cold iron ship berthing capability of your installation/under your cognizance. Provide a description, cost estimates, and additional capability gained.

Provide 4160 V power at Pier E, west side, for CV/CVN Aircraft Carrier mooring. Estimated project cost is \$2 mil. Additional capability will be 20 MVA at 4160 V.

37.11 Describe any unique limits or enhancements on the berthing of ships at specific piers or wharves under your cognizance.

Piers 1, 2, 3, 6, & E are collimation piers.

LAN facilities for Project Management offices are on the piers in close proximity of the ships.

38. Quarters and Messing

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

NOTE: LBNSY currently has no housing facility on their plant account. The NAVSTA housing facilities are tentatively scheduled for transfer to the shipyard on 10 October 1994 with closure of the Naval Station as a result of BRAC-91. Data was obtained from NAVSTA LBEACH current BQ Occupancy Plan which differs from P-164 and R-21.

Table 38.1: Current Housing Facilities

Facility Type, Bldg. #, & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			# Beds	SF	# Beds	SF	# Beds	SF
BOQ BLDG 257								
03 THRU 06 724.12	63	63	0	0	63	26334	0	0
03 THRU 06 724.12	18	18	18	15048				
BEQ BLDG 297								
E1 THRU E4 721.11	138	46	138	25097	0	0	0	0
E5 THRU E6 721.12	135	61	0	0	135	32921	0	0
BEQ BLDG 298								
E1 THRU E4 721.11	384	134	384	58024	0	0	0	0
BEQ BLDG 394								
E1 THRU E4 721.11	381	134	381	64932	0	0	0	0
BEQ BLDG 422								
E1 THRU E4 721.11	364	182	364	109884	0	0	0	0
E5 THRU E6 721.12	156	156	156	43953	0	0	0	0
E7 THRU E9 721.13	26	26	26	24336	0	0	0	0
BEQ BLDG 423								

Facility Type, Bldg. #, & CCN	Total # Beds	Total # Rooms	Adequate		Substandard		Inadequate	
			# Beds	SF	# Beds	SF	# Beds	SF
E5 THRU E6 72112	116	58	116	44950	0	0	0	0
E7 THRU E9 72113	142	142	142	20195	0	0	0	0

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

N/A (no inadequate facilities)

38. Quarters and Messing, continued

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

NOTE: LBNSY currently has no housing facility on their plant account. The NAVSTA housing facilities are tentatively scheduled for transfer to the shipyard on 10 October 1994 with closure of the Naval Station as a result of BRAC-91.

Table 38.3: Projected Berthing Facilities

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	SF	Beds	SF	Beds	SF
BEQ BLDG 297 721.11								
E1 THRU E4	266	133	266	58024	0	0	0	0
BEQ BLDG 422								
E1 THRU E4 721.11	50	25	50	11700	0	0	0	0
E5 THRU E6 721.12	330	313	296	138528	34	7956	0	0
E7 THRU E9 721.13	26	26	26	24336	0	0	0	0
BEQ BLDG 423								
E7 THRU E9 721.13	68	68	30	19519	38	12362	0	0
O3 THRU O10 724.12	56	56	46	29930	10	3253	0	0

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?

Activity 60258

- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

N/A (no inadequate facilities)

38. Housing and Messing, continued

38.5 Provide data on the messing facilities assigned to your current plant account.

NOTE: LBNSY currently has no messing facilities on plant account. NAVSTA enlisted dining facility tentatively scheduled to transfer to the shipyard on 1 October 1994 with Naval Station closure as result of BRAC-91.

Table 38.5: Current Messing Facilities

Facility Type, Bldg. #, & CCN	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
GALLEY BLDG 299 722.10	21,755	296	8,208	N/A	N/A	N/A	N/A	250

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

N/A (no inadequate facilities)

38. Housing and Messing, continued

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

NOTE: LBNSY currently has no messing facilities on plant account. NAVSTA enlisted dining facility tentatively scheduled to transfer to the shipyard on 1 October 1994 with Naval Station closure as result of BRAC-91.

Table 38.7: Projected Messing Facilities

Facility Type, Bldg. #, & CCN	Total SF	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	SF	Seats	SF	Seats	SF	
GALLEY BLDG 299 722.10	21,755	296	8,208	N/A	N/A	N/A	N/A	150

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

N/A (no inadequate facilities)

38. Quarters and Messing, continued

38.9 Provide the following information on base infrastructure utility and support services.

Table 38.9: Base Utilities and Support Services

	On Base Capacity (Generated)	Off Base Long Term Contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	0	No Limit	470000 KWH/Day	30100KW
Natural Gas (CFH)	0	1600K	53K	180K
Sewage (GPD)	0	* 1600K	680K	900K
Potable Water (GPD)	0	No Limit	800,000	1500K
Steam (PSI & lbm/Hr)	200/204K	0	150/80K	150/100K
Long Term Parking	0	0	0	0
Short Term Parking	34.0 Acres	0	34.0 Acres	34.0 Acres

Note: Includes 4 acres on Pier E and 5.6 acres (BQ, galley parking lots) tentatively scheduled for transfer to the LBNSY on 1 October 94 with closure of NAVSTA as a result of BRAC 91.

* Permit limits restrict capacity to 900K GPD.

39. Regional Maintenance Concept

39.1 If applicable, describe your activity's role, relationships, and functions under the Regional Maintenance Concept (RMC). Based on your current workload mix and capabilities, provide details on anticipated annual throughput associated with the RMC (workload transfers both in and away from your activity). For gained workload, report only workload projected in addition to workload identified previously in this Data Call. Utilize the applicable Joint Cross Service Group-Depot Maintenance Commodities Group List (provided at the beginning of this Data Call) as a base line for grouping workload. Add additional categories/commodity areas as required. Provide your answer by Units Throughput (as applicable) and Direct Labor Man Hours in the tables below. Identify the activity from which or into which the workload is expected to transfer in the last column.

Table 39.1: Workload Transfers Resulting From RMC

Commodity Group	Workload (Units Throughput)							Losing / Gaining Activity
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
Total:								

Table 39.2: Workload Transfers Resulting From RMC

Commodity Group	Workload (DLMHs)							Losing / Gaining Activity
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
Total:								

NOTE: Shipyard are not in a position to respond to this item because a definitive shipyard role has not yet been identified. Naval Shipyards are a center point of the Regional Maintenance concept. However, no change in naval shipyard workload has been identified based on the Regional Maintenance concept. The concept has been approved in phases; phase 1 is primarily Intermediate level consolidations.

40. Other Issues

40.1 What recruiting, staffing, hiring limits, apprenticeship training, industrial work standards, promotion policies, personnel support facilities, etc., constrain the productive output of the facility?

DOD and DON imposed hiring and promotion freezes, and the inordinate length of time

it takes to effect a reduction in force, impact our ability to manage our human resources for optimum efficiency. Additionally, current reduction in force with incentive significantly reduced the number of highly skilled and experienced personnel this limiting shipyard surge capacity and productive output.

ACTIVITY LISTING:

Type	Title	Location
Naval Shipyard	NSYD LONG BEACH	Long Beach CA
Naval Shipyard	NSYD NORFOLK	Portsmouth VA
Naval Shipyard	NSYD PEARL HARBOR	Pearl Harbor HI
Naval Shipyard	NSYD PORTSMOUTH	Kittery ME
Naval Shipyard	NSYD PUGET SOUND	Bremerton WA
Naval Ship Repair Facility	SRF GUAM	Guam

**DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

Table of Contents

Notes	2
Table of Acronyms	4
CAPACITY	5
1. Capacity Utilization	5
2. Plant Replacement Value	6
3. Programmed Workload	8
4. Service Centers of Excellence	9
 MEASURES OF MERIT	 11
Geographic	11
1. Location	11
2. Environmental Compliance	13
3. Environmental Restrictions	14
4. Other Collocated Activities	15
5. Encroachment	22
Facilities and Equipage	23
6. Unique or Peculiar Facilities	23
7. Buildings and Their Condition	29
8. Unique and/or Peculiar Capabilities and Capacities	32
9. Acreage Available for Building	35
10. Administrative Space	36
11. Industrial Waste	36
Workload and Capabilities	37
12. Core Capabilities (DoD)	37
13. Core Workloads	40
14. Other Workloads (Above Core)	41
15. Unique and/or Peculiar Workloads	48
16. Scope of Work Performed	50
17. Interface with Customers	52
Costs	54
18. Real Property Maintenance (RPM)	54
19. Annual Operating Costs	54
20. Environmental Compliance	55
21. Local Wage Rate	56
22. Programmed Capital Investments	56

DATA CALL SUPPLEMENT FOR JOINT CROSS SERVICE GROUP-DEPOT MAINTENANCE

This supplement is designed to facilitate the cross service analysis required of the 1995 Base Realignment and Closure (BRAC-95) process. It requests data in a standardized format that will be used by the Joint Cross Service Group-Depot Maintenance (JCSG-DM) to develop closure and realignment alternatives to be given to the Military Departments for their analysis and final recommendations. The JCSG-DM Data Call consists of two sections, one for capacity measurements and a second measuring "measures of merit". This Data Call has been formatted to assist the preparer in providing the required information with the minimum amount of effort. If questions arise, contact your Military Department BRAC-95 office for clarification.

Notes in the context of this data call:

1. Base your responses on workload as programmed for your activity. Unless otherwise specified, use workload mixes as programmed in the FYDP.
2. Direct Labor Hours (DLH) is the common unit of measure unless specifically noted otherwise in the question.
3. Information requested in this supplement may duplicate data requested by BRAC 95 data calls from the individual Military Departments. If this occurs, read both questions carefully to ensure that they are in fact asking for identical information, and if that is the case, transfer information from one data call to the other.
4. These questions should be passed up and down the chain of command without editing or rewriting. This standardized data call is designed to support an auditable process by having each activity (regardless of Military Department assigned) respond to the same question.
5. "Core" capability calculations are to be performed in accordance with Office of the Under Secretary of Defense (Logistics) Memorandum dated November 15, 1993 (Subject: Policy for Maintaining Core Depot Maintenance Capability).
6. Capacity and utilization index calculations will be performed in accordance with the Defense Depot Maintenance Council approved update to DoD 4151.15H (Depot Maintenance Capacity/Utilization Index Measurement) dated December 5, 1990.
7. All calculations will assume a one shift, 40 hour work week.
8. Workload, capabilities, and capacities will be measured by commodity groups. A detailed breakout of the JCSG-DM commodity groups is contained in the following box. Insert the commodity groups applicable to your depot maintenance activity into the tables whenever a specific break out is requested by the question. Individual Military Departments in their Service specific data calls, may measure data in different commodity groups or categories, but for the Joint Cross Service analysis, these commodity groups must be utilized.
9. Data will be amounts as of the end of the applicable fiscal year.

JOINT CROSS SERVICE - DEPOT MAINTENANCE

Commodity Groups List

1. Aircraft Airframes:
 - a. Rotary
 - b. VSTOL
 - c. Fixed Wing
 - (1) Transport / Tanker / Bomber /
 - (2) Command and Control
 - (3) Light Combat
 - (4) Admin / Training
 - d. Other
2. Aircraft Components
 - Dynamic Components
 - Aircraft Structures
 - Hydraulic/Pneumatic
 - Instruments
 - Landing Gear
 - Aviation Ordnance
 - Avionics/Electronics
 - APUs
 - Other
3. Engines (Gas Turbine)
 - Aircraft
 - Ship
 - Tank
 - Blades / Vanes (Type 2)
4. Missiles and Missile Components
 - Strategic
 - Tactical / MLRS
5. Amphibians
 - Vehicles
 - Components (less GTE)
6. Ground Combat Vehicles
 - Self-propelled
 - Tanks
 - Towed Combat Vehicles
 - Components (less GTE)
7. Ground and Shipboard Communications and Electronic Equipment
 - Radar
 - Radio Communications
 - Wire Communications
 - Electronic Warfare
 - Navigational Aids
 - Electro-Optics / Night Vision
 - Satellite Control / Space Sensors
8. Automotive / Construction Equipment
9. Tactical Vehicles
 - Tactical Automotive Vehicles
 - Components
10. Ground General Purpose Items
 - Ground Support Equipment (except aircraft)
 - Small Arms / Personal Weapons
 - Munitions / Ordnance
 - Ground Generators
 - Other
11. Sea Systems
 - Ships
 - Weapons Systems
12. Software
 - Tactical Systems
 - Support Equipment
13. Special Interest Items
 - Bearings Refurbishment
 - Calibration (Type I)
 - TMDE
14. Other

Table of Acronyms

\$/DLH	Cost per Direct Labor Hour
\$K	Thousands of Dollars
ADMIN	Administrative; administration
AICUZ	Air Installations Compatible Use Zone
AOC\$	Annual Operating Cost (dollars)
CCN	Category Code Number
DBOF	Defense Business Operating Fund
DLH	Direct Labor Hour
DoD	Department of Defense
ESQD	Explosive Safety Quantity Distance
FMS	Foreign Military Sales
FY	Fiscal Year
FYDP	Future Year Defense Plan
GTE	Gas Turbine Engines
HERF	Hazardous Electronic Radiation - Fuels
HERO	Hazardous Electronic Radiation - Ordnance
HERP	Hazardous Electronic Radiation - Personnel
JCSG-DM	Joint Cross Service Group - Depot Maintenance
KSF	Thousands of Square Feet
NRC	Nuclear Regulatory Commission
OEM	Original Equipment Manufacturer
PRV	Plant Replacement Value
R&D	Research and Development
RPM	Real Property Maintenance
SF	Square Feet
WG	Wage Grade

Activity: 60258

DATA CALL SUPPLEMENT

FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE

rev

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)					
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 Radar	74045	74045	74045	74045	74045	R
7 Radio Communications	60582	60582	60582	60582	60582	R
7 Electronic Warfare	363495	363495	363495	363495	363495	R
7 Navigational Aids	26925	26925	26925	26925	26925	R
7 Electro-Optics /Night Vision	2244	2244	2244	2244	2244	R
7 Satellite Control /Space Sensors	2244	2244	2244	2244	2244	R
11 Ships	2953680	2953680	2953680	2953680	2953680	R
11 Weapons Systems	321456	321456	321456	321456	321456	R
13 Bearing Refurbishment	50432	50432	50432	50432	50432	R
14 Other	960500	960500	960500	960500	960500	R
TOTAL	4815603	4815603	4815603	4815603	4815603	R

Table 1.1.a data provided by NAVSEA Headquarters.

rev

**DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

CAPACITY**1. Capacity Utilization**

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)					Revision(R)
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	82,434	81,739	77,091	80,721	83,414	R
7 RADIO COMM	67,446	66,878	63,075	66,045	68,247	R
7 ELECTRONICS WARFARE	404,677	401,265	378,449	396,269	409,485	R
7 NAVIGATIONAL AIDS	29,976	29,723	28,033	29,353	30,332	R
7 ELECTRO-OPTICS	2,498	2,477	2,336	2,446	2,528	R
7 SATELLITE CONTROL	2,498	2,477	2,336	2,446	2,528	R
11 SHIPS	3,288,714	3,260,596	3,075,191	3,219,993	3,327,391	R
11 WEAPONS SYS.	356,045	353,044	332,969	348,647	360,276	R
13 BEARINGS REFURBISHMENT	56,280	55,706	52,144	54,976	57,013	R
13 CALIBRATION (TYPE 1)	8,032	8,064	8,000	8,000	8,064	R
14 OTHER	1,061,152	1,052,207	992,376	1,039,104	1,073,762	R
TOTAL	5,359,352	5,314,176	5,012,000	5,248,000	5,423,040	

**DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

CAPACITY

1. Capacity Utilization

1.1 Calculate the capacity index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed in direct labor hours (DLHs) in Table 1.1.a by commodity groups for the Fiscal Years requested.

Table 1.1.a: Capacity Index

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7	589,529	584,559	551,320	577,280	596,534
11	3,644,359	3,613,640	3,408,160	3,568,640	3,687,667
13	64,312	63,770	60,144	62,976	65,077
14	1,061,152	1,052,207	992,376	1,039,104	1,073,762
TOTAL	5,359,352	5,314,176	5,012,000	5,248,000	5,423,040

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)				
7	1.8	1.8	1.9	1.8	1.8
11	50.3	54.7	52.4	60.4	58.8
13	.1	.1	.1	.1	.1
14	8.9	9.0	9.5	9.0	8.8
TOTAL	61.1	65.6	63.9	71.3	69.5

*rev***1. Capacity Utilization, continued**

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)					
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7. Radar	18	18	18	18	18	R
7. Radio Comm.	18	18	18	18	18	R
7. Elec Warfare	18	18	18	18	18	R
7. Nav, Aids	18	18	18	18	18	R
7. Electro-Optics	18	18	18	18	18	R
7. Satellite Control	18	18	18	18	18	R
11 Ships	63	61	49	39	52	
11. Weapon Systems	82	88	80	97	97	R
13. Bearing Refurb.	13	14	13	16	16	R
14. Other	50	50	50	50	50	R
11 Ships (Drydock) Total)	63	61	49	39	52	R
7, 11 (weapons), 13, 14 (Total)	45	46	45	48	48	R

rev

1. Capacity Utilization, continued

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)					
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7. Radar	46	46	46	46	46	R
7. Radio Comm.	37	37	37	37	37	R
7. Elec Warfare	2	2	2	2	2	R
7. Nav, Aids	17	17	17	17	17	R
7. Electro-Optics	1	1	1	1	1	R
7. Satellite Control	1	1	1	1	1	R
11 Ships	63	61	49	39	52	R
11. Weapon Systems	9	10	9	11	11	R
13. Bearing Refurb.	23	24	22	27	27	R
14. Other	16	16	16	16	16	R

Table 1.2.a data provided by NAVSEA Headquarters.

R

Activity 60258

1.2 Calculate the utilization index for the commodity groups applicable to depot maintenance work at your activity. Provide your answers expressed as a percentage (%) in Table 1.2.a by commodity groups for the Fiscal Years requested.

Table 1.2.a: Utilization Index

COMMODITY GROUP	INDEX (%)					Revision (R)
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	0.25	0.25	0.27	0.26	0.25	R
7 RADIO COMM	0.21	0.21	0.22	0.21	0.20	R
7 ELECTRONICS WARFARE	1.23	1.25	1.31	1.26	1.22	R
7 NAVIGATIONAL AIDS	0.09	0.09	0.10	0.09	0.09	R
7 ELECTRO-OPTICS	0.01	0.01	0.01	0.01	0.01	R
7 SATELLITE CONTROL	0.01	0.01	0.01	0.01	0.01	R
11 SHIPS	45.3	49.3	47.2	54.4	53.0	R
11 WEAPONS SYS.	4.9	5.3	5.1	5.9	5.7	R
13 BEARINGS REFURBISHMENT	.10	.10	.10	.10	.10	R
13 CALIBRATION (TYPE 1)	.10	.10	.10	.10	.10	R
14 OTHER	8.90	9.00	9.50	9.00	8.80	R
TOTAL	61.1	65.6	63.9	71.3	69.5	

rlv

Activity 60258

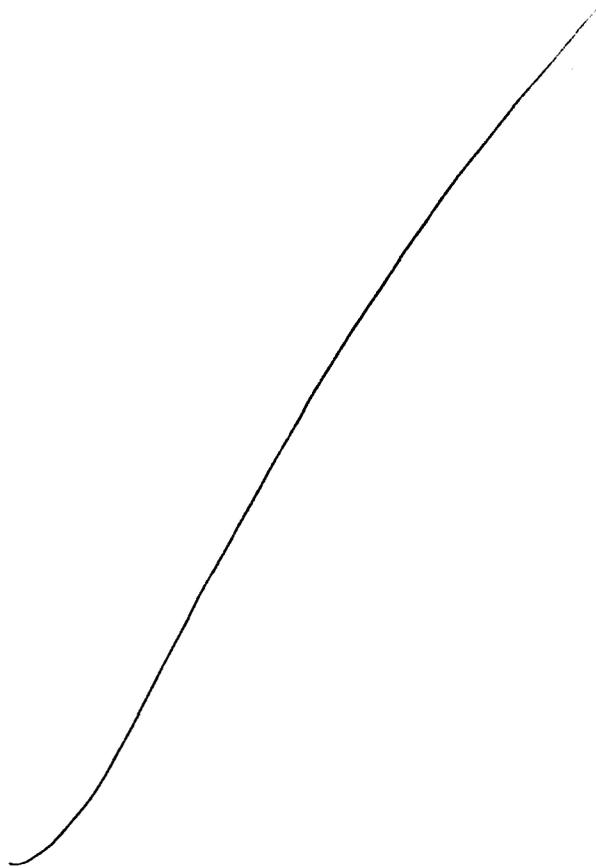
1. Capacity Utilization, continued

1.3 Assuming (a) the current projected total workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, with no significant investment in capital equipment; and (c) no major Military Construction additional to that already approved and funded: what is the maximum extent to which operations, by commodity group, could be expanded for depot maintenance work at your activity, based on the current and future planned workload mixes? Please provide your response in the absolute maximum number of direct labor hours (DLHs).

Table 1.3.a: Maximum Potential Capacity

COMMODITY GROUP	INDEX (DLHs)				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7 RADAR	82,434	81,739	77,091	80,721	83,414
7 RADIO COMM	67,446	66,878	63,075	66,045	68,247
7 ELECTRONICS WARFARE	404,677	401,265	378,449	396,269	409,485
7 NAVIGATIONAL AIDS	29,976	29,723	28,033	29,353	30,332
7 ELECTRO-OPTICS	2,498	2,477	2,336	2,446	2,528
7 SATELLITE CONTROL	2,498	2,477	2,336	2,446	2,528
11 SHIPS	3,288,314	3,260,596	3,075,191	3,219,993	3,327,391
11 WEAPONS SYS.	358,045	353,044	332,969	348,647	360,276
13 BEARINGS REFURBISHMENT	56,280	55,706	52,144	54,976	57,013
13 CALIBRATION (TYPE 1)	8,032	8,064	8,000	8,000	8,064
14 OTHER	1,061,152	1,052,207	992,376	1,039,104	1,073,762
TOTAL	5,359,352	5,314,176	5,012,000	5,248,000	5,423,040

Revision (R)
R
R
R
R
R
R
R
R
R
R
R



Activity 60258

rev

2. Plant Replacement Value

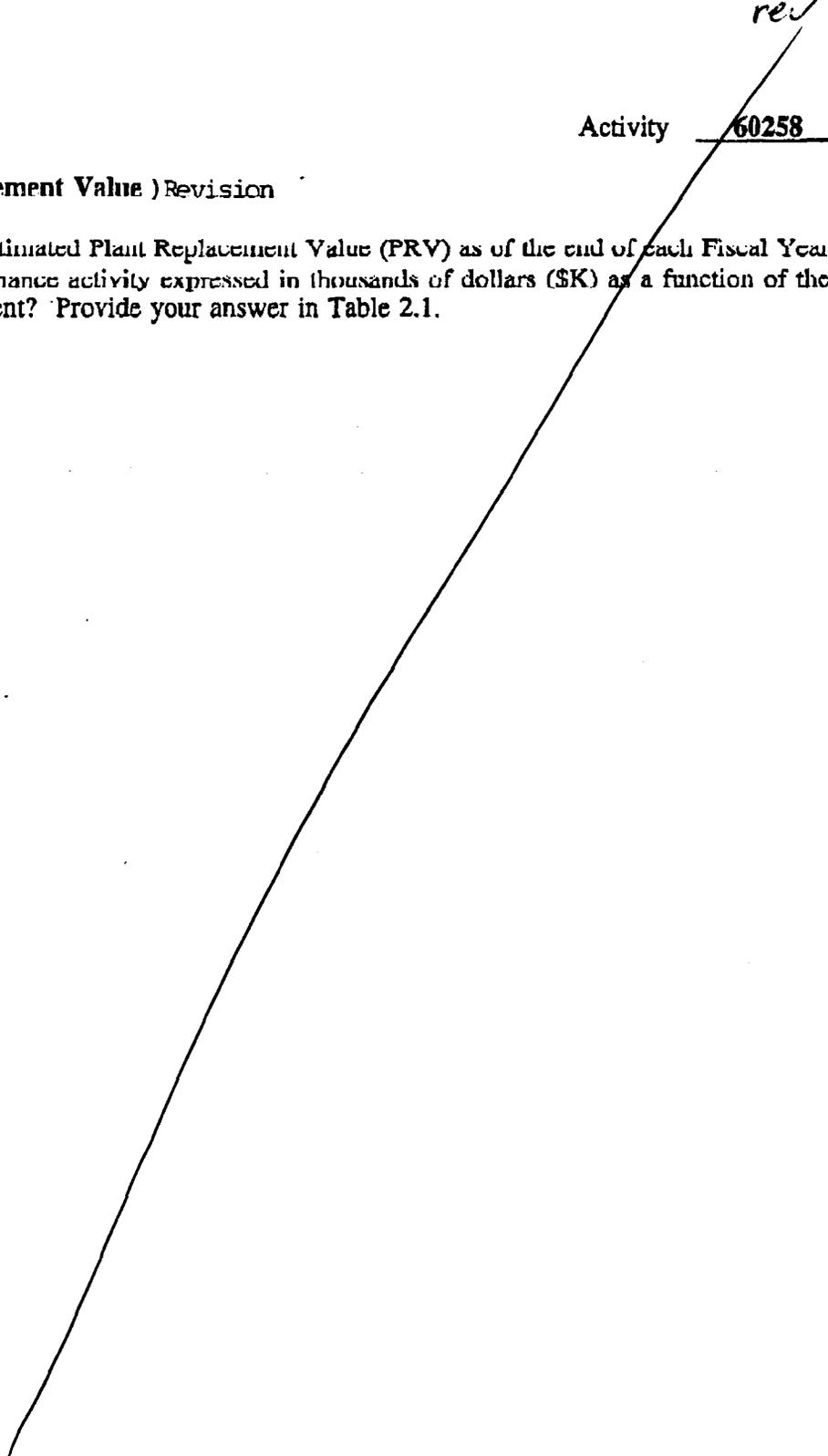
2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars (\$K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

rev

Activity 60258

2. Plant Replacement Value) Revision

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars (\$K) as a function of the facilities and equipment? Provide your answer in Table 2.1.



SENT BY:CODE 1100

: 9-10-94 : 21:21 :

LBNSY-

SEA 073:# 8

Activity 60258

2. Plant Replacement Value) Revision

2.1 What is the estimated Plant Replacement Value (PRV) as of the end of each Fiscal Year of your depot maintenance activity expressed in thousands of dollars (\$K) as a function of the facilities and equipment? Provide your answer in Table 2.1.

6a RC10 September 1994

CAPACITY**3. Programmed Workload**

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	\$K					Revisions
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	1,129	1,170	1,198	1,234	1,234	R
7 RADIO COMM	924	958	980	1,010	1,010	R
7 ELECTRONICS WARFARE	5,542	5,747	5,881	6,057	6,057	R
7 NAVIGATIONAL AIDS	410	425	436	449	448	R
7 ELECTRO-OPTICS	34	36	36	37	38	R
7 SATELLITE CONTROL	34	36	36	37	38	R
11 SHIPS	222,117	249,164	233,046	289,285	297,591	R
11 WEAPONS SYS.	24,117	27,053	25,303	31,409	32,311	R
13 BEARINGS REFURBISHMENT	615	689	645	800	824	R
14 OTHER	35,651	36,732	37,427	38,551	39,703	R
TOTAL	290,573	322,010	304,988	368,869	379,254	R

Activity 60258

rev

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	\$K					Revisions
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	1,129	1,170	1,198	1,234	1,234	R
7 RADIO COMM	924	958	980	1,010	1,010	R
7 ELECTRONICS WARFARE	5,542	5,747	5,881	6,057	6,057	R
7 NAVIGATIONAL AIDS	410	425	436	449	448	R
7 ELECTRO-OPTICS	34	36	36	37	38	R
7 SATELLITE CONTROL	34	36	36	37	38	R
11 SHIPS	222,117	249,164	233,046	289,285	297,591	R
11 WEAPONS SYS.	24,117	27,053	25,303	31,409	32,311	R
13 BEARINGS REFURBISHMENT	615	689	645	800	824	R
13 CALIBRATION (TYPE 1)	168	174	179	184	184	R
14 OTHER	35,483	36,558	37,248	38,367	39,519	R
TOTAL	290,573	322,010	304,988	368,869	379,254	R

rev.
Activity 60258

CAPACITY

3. Programmed Workload

3.1 Given the current configuration and operation of your activity, provide the programmed depot level workload by commodity group in Tables 3.1.a and 3.1.b. Express your answer in both dollars (\$K) and direct labor hours (DLH) for the Fiscal Years requested.

Table 3.1.a: Programmed Workload

COMMODITY GROUP	-INDEX (DLH) \$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
7 RADAR	1,129	1,175	1,193	1,229	1,239
7 RADIO COMM	924	962	976	1,006	1,014
7 ELECTRONICS WARFARE	5,542	5,770	5,858	6,033	6,081
7 NAVIGATIONAL AIDS	410	427	434	447	450
7 ELECTRO-OPTICS	34	36	36	37	38
7 SATELLITE CONTROL	34	36	36	37	38
11 SHIPS	222,117	250,157	232,118	288,132	298,777
11 WEAPONS SYS.	24,117	27,161	25,202	31,284	32,440
13 BEARINGS REFURBISHMENT	615	692	642	797	827
13 CALIBRATION (TYPE 1)	168	175	178	183	185
14 OTHER	35,483	36,704	37,100	38,214	39,676
TOTAL	290,573	323,295	303,773	367,399	380,763

M.C.
NAUSEA 0712
9/12/94
Revision (R)

R
R
R
R
R
R
R
R
R
R
R
R

Table 2.1: Expenditures and Equipment Values

PRV	\$ K				
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
Facilities *	1,081,821	1,114,275	1,147,703	1,182,134	1,217,598
Equipments **	123,801	127,515	131,340	135,280	139,338
TOTAL	1,205,622	1,241,790	1,279,043	1,317,414	1,356,936

- * LBNSY's FY 93 PRV of \$982,468K was used as baseline. Appropriate inflation factors were applied and Piers 6 and E were included due to pending transfer from NAVSTA LONG BEACH CA to LBNSY, on 1 October 1994 as result of BRAC 91.
- ** LBNSY's equipment PRV was calculated by multiplying the sum of class 3 and class 4 plant property CPV by 1.403.

rev

Activity 60258

NOTE: Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were adjusted for inflation per NAVCOMPT established procedures.

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs					Revisions
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	13,478	13,477	13,478	13,478	13,477	R
7 RADIO COMM	11,027	11,027	11,027	11,027	11,027	R
7 ELECTRONICS WARFARE	66,162	66,162	66,162	66,162	66,162	R
7 NAVIGATIONAL AIDS	4,901	4,900	4,901	4,901	4,900	R
7 ELECTRO-OPTICS	408	408	409	409	408	R
7 SATELLITE CONTROL	408	408	409	409	408	R
11 SHIPS	2,430,200	2,609,055	2,377,781	2,865,528	2,862,009	R
11 WEAPONS SYS.	263,858	283,279	258,169	311,227	310,744	R
13 BEARINGS REFURBISHMENT	6,702	7,220	6,580	7,931	7,921	R
14 OTHER	477,904	477,904	477,904	477,904	477,904	R
TOTAL	3,275,048	3,473,840	3,216,816	3,758,976	3,754,960	R

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

Activity 60258

2. NOTE: Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were adjusted for inflation per NAVCOMPT established procedures.

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs					Revisions
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	13,478	13,477	13,478	13,478	13,477	R
7 RADIO COMM	11,027	11,027	11,027	11,027	11,027	R
7 ELECTRONICS WARFARE	66,162	66,162	66,162	66,162	66,162	R
7 NAVIGATIONAL AIDS	4,901	4,900	4,901	4,901	4,900	R
7 ELECTRO-OPTICS	408	408	409	409	408	R
7 SATELLITE CONTROL	408	408	409	409	408	R
11 SHIPS	2,430,200	2,609,055	2,377,781	2,865,528	2,862,009	R
11 WEAPONS SYS.	263,858	283,279	258,169	311,227	310,744	R
13 BEARINGS REFURBISHMENT	6,702	7,220	6,580	7,931	7,921	R
13 CALIBRATION (TYPE 1)	2,008	2,008	2,008	2,008	2,008	R
14 OTHER	475,896	475,896	475,896	475,896	475,896	R
TOTAL	3,275,048	3,473,840	3,216,816	3,758,976	3,754,960	R

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

Activity 60258

2. NOTE: Rates used for FY 95 thru 97 were as submitted in Budget. FY 98 and 99 were adjusted for inflation per NAVCOMPT established procedures.

Table 3.1.b: Programmed Workload

COMMODITY GROUP	DLHs					Revision (R)
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	
7 RADAR	13,478	13,531	13,424	13,424	13,531	R
7 RADIO COMM	11,027	11,071	10,983	10,983	11,071	R
7 ELECTRONICS WARFARE	66,162	66,426	65,898	65,898	66,426	R
7 NAVIGATIONAL AIDS	4,901	4,920	4,881	4,881	4,920	R
7 ELECTRO-OPTICS	408	410	407	407	410	R
7 SATELLITE CONTROL	408	410	407	407	410	R
11 SHIPS	2,430,200	2,619,447	2,368,306	2,854,204	2,873,409	R
11 WEAPONS SYS.	263,858	284,408	257,140	309,897	311,982	R
13 BEARINGS REFURBISHMENT	6,702	7,249	6,554	7,899	7,953	R
13 CALIBRATION (TYPE 1)	2,008	2,016	2,000	2,000	2,016	R
14 OTHER	475,896	477,792	474,000	474,000	477,792	R
TOTAL	3,275,048	3,487,680	3,204,000	3,744,000	3,769,920	

NOTE: Predicted workload based on current programmed ship assignments and reasonable expectations for additional interservice product lines.

CAPACITY**4. Service Centers of Excellence**

4.1 If your activity has been designated as a Service Center of Excellence for any of the commodity groups, please identify them below.

Although we are not the Center of Excellence for any one commodity type group we are the designated overhaul point for the following commodity sub-groups.

COMMODITY GROUP 7 -**(a) RADAR**

- (1) SPS-55 (Target Tracking, Acquisition and Guidance)
- (2) SPS-10 (Surface Search Radar System)
- (3) SPS-40 (Air Search Radar System)
- (4) MK-86 (Gun Fire Control System)

(b) NAVAIDS

- (1) GYROS: MK-19, MK-23, and MK-27
- (2) Fathometers: UQN-1 and UQN-4

(c) ELECTRONICS

- (1) 2000 different printed circuit boards used in:
Radar, Radio Communications, Wire Communications,
Electronic Warfare, Navigational Aids, and Electro-Optics.

COMMODITY GROUP 11 -**(a) PUMPS**

- (1) Fuel Transfer Pumps
- (2) Lube Oil Transfer Pumps
- (3) Fire Pumps
- (4) CRP Pumps for FFG-7, DD-963, and CG-47 Classes.
- (5) FFG-7 Class CHT System Pumps

(b) MOTORS/GENERATORS

- (1) Motors from 1/4 to 300 HP.
- (2) Diesel Engines: GM, Waukesha, Detroit, Packard, and Isotta-Fraschini, up to 2000 HP.

(c) AUXILIARY SYSTEMS

- (1) 4th Generation Sealed Hydraulic Transmissions**
- (2) Underway Replenishment Winch Handling Equipment**
- (3) Dehydrator LP/HP**
- (4) Automatic Combustion Controls**
- (5) Fuel Oil Burner Barrels**

COMMODITY GROUP 14 -

- (a) Side Loadable Warping Tugs**

**DATA CALL SUPPLEMENT
FOR
JOINT CROSS SERVICE GROUP - DEPOT MAINTENANCE**

MEASURES OF MERIT**Geographic****1. Location**

1.1 Specify any special strategic importance or military value consideration of your activity accruing from its geographical location.

<u>Activity</u>	<u>Location</u>	<u>Description of Strategic Importance/Military Value</u>
(1) COMNAVAIRPAC would team. the San	San Diego, CA	Provide regular docking, repair, and modernization capability for CVs, and emergent docking and repair capability for CVNs. Emergent nuclear repairs be performed by a nuclear qualified shipyard This is the closest CV/CVN capable dock to Diego homeport area.
(2) COMNAVSURFPAC	San Diego, CA	Provide regular and emergent docking, repair, and modernization capability for LHAs, LHDs AOE-6, and AFDMs. This is the closest drydock to the San Diego homeport area capable of docking these vessels.
(3) COMNAVSURFPAC	San Diego, CA	Provide emergent drydock capability to surface nuclear ships in the Southern California area.
(4) Various sea and shore based units.	San Diego, CA	Provide immediate repair and engineering support to San Diego
(5) NON-DOD	LA/LB	Shipyard is located in the center of the third largest seaport in the world and largest US port complex. In the event of mobilization or mount out, the LA/LB port will be the major outport for military cargo. S h i p repair

Activity 60258

a n d
drydoc
k
capabil
ity will
b e
impera
tive
to the
transpo
r t
operati
o n .
There
is no
other
large
comme
rcial
drydoc
k
capabil
i t y
south
o f
Portlan
d, OR.

- (6) Various to Camp Pendleton, Provide immediate repair and engineering support to CA USMC units and facilities at Camp Pendleton.
- (7) NON-DOD LA/LB Shipyard is located at a major transportation hub of sea, rail, road, and air networks. This allows for efficient material and logistic support of both inprocess material and end use products.
- (8) NON-DOD LA/LB Shipyard is located at a major population center of skilled workers that allows for rapid mobilization and surge capability.
- (9) NON-DOD LA/LB Shipyard is located at the source of 60% of the West

Coast's refined petroleum products. In time of mobilization, the LA/LB port will throughput major shares of petroleum products. The shipyards has the largest dock capability south of Portland, OR.

- | | | |
|---------------------------------|------------------|---|
| (10) SIMA LB | Shipyard | SIMA LB will be collocated into LBNSY Bldg 132 due to realignment of NAVSTA. Allows for better efficiency and work coordination, and for integration of Intermediate to Depot work. |
| (11) NWS Seal Beach | Seal Beach, CA | Allow for efficient offload/onload of weapons prior to and upon completion of repair availabilities. |
| (12) NWC Port Hueneme | Port Hueneme, CA | In Service Engineering Activity for numerous ship weapons, and HM & E systems, including unrep equipment for which LBNSY is DOP. |
| (13) CBPAC | Port Hueneme, CA | LBNSY provides overhaul and maintenance for civil engineering battalion amphibious equipment, warping tugs, and causeways. |
| (14) Camp Pendelton | San Clemente, CA | Marine embarkation point |
| (15) Defense Fuel Region | San Pedro, CA | JP5 and JP8 aviation fuel and diesel fuel may be made available |
| (16) Los Alamitos Army Airfield | Los Alamitos, CA | Emergency response point for disaster assistance |

Geographic, continued

2. Environmental Compliance

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

2.1 Is your activity in full compliance with all Federal, state, and local environmental regulations? If not in full compliance, provide a comprehensive list of individual regulations that require actions to be taken. What compliance waivers have been granted? When must the activity come into compliance?

Yes. LBNSY is in full compliance with all regulations.

<u>Type</u>	<u>Regulation</u>	<u>Waiver (Date Expires)</u>	<u>Date Must be in Compliance</u>
-------------	-------------------	------------------------------	-----------------------------------

N/A

2.2 Has any actual or programmed work at this installation been restricted or delayed because of environmental considerations, such as air or water quality? If so, provide the details of the impact of the restrictions or delays.

Yes. A minor portion of work involving hull painting at this installation has been restricted or delayed because of environmental air permit VOC daily limitations.

<u>Programmed Work</u>	<u>Restriction/Delay</u>	<u>Describe Impact</u>
Hull Painting	Environmental Air Permit VOC Limitations	Not significant

Geographic, continued

3. Environmental Restrictions

Answers to the following questions need to reflect the particular workloads or processes affected by the environmental restrictions/compliance.

3.1 Are there any special programs relating to environmental or industrial waste considerations for your activity? If so, provide the details.

<u>Special Program</u>	<u>Environmental/Industrial Waste</u>	<u>Describe</u>
Regional Clean Air Incentives Market (RECLAIM)	Air Pollution Control	California Program to permit the facility vice specific operations and allow sale of credits among different industries.

3.2 Within what provisions must the activity operate with regard to disposal of hazardous wastes and radioactive materials?

<u>Type</u>	<u>Provisions</u>	<u>Describe</u>
All Hazardous Waste	Resource Conservation and Recovery Act (Federal) Hazardous Waste Control Law (State)	Title 40 Code of Federal Regulations Title 22 California Code of Regulations

Depleted iridium-192 gamma-ray sources are returned to the OEM, who disposes of wastes under terms of his NRC license.

Geographic, continued**4. Other Collocated Activities**

4.1 Are there any collocated activities that directly benefit or relate to the depot maintenance activity? If yes, list and describe the impact of each. Include benefits derived from being collocated.

<u>Collocated Activity</u>	<u>Benefit/Relationship</u>	<u>Describe Impact</u>
DEFENSE COMMISSARY	Provides supermarket items at prices generally below that of similar community establishments	Supports MILPERS assigned and ship's personnel
NAVY EXCHANGE COMPLEX	Provides goods and services at lowest practical cost	Supports MILPERS assigned and ship's personnel
PERSONNEL SUPPORT DETACHMENT	Provides military pay and personnel administration, travel pay and passenger transportation, education and military identification card service	Supports MILPERS assigned, ship's personnel and maintenance activity
NAVAL DENTAL CENTER	Provides full spectrum of oral health care for active duty MILPERS	Supports MILPERS assigned and ship's personnel
NAVAL MEDICAL CLINIC	Provides medical service to active duty personnel and occupational medical services for civil service personnel; staffs pharmacy for military personnel	Supports MILPERS assigned, ship's personnel and maintenance activity
USA CREDIT UNION	Serves personal financial needs	Supports CIV/MILPERS assigned and ships' personnel
COASTLINE FEDERAL CREDIT UNION	Serves personal financial needs	Supports CIV/MILPERS assigned and ships' personnel

RED CROSS	Provides CPR and First Aid training; personal counseling, financial assistance, etc.; verifies requirements for emergency leave	Supports MILPERS assigned and ships' personnel
NAVY-MARINE CORPS RELIEF SOCIETY	Provides financial assistance, conducts classes in budgeting and check-writing, and provides non-financial services which include baby's first sea bag for expectant mothers, food locker and thrift shop	Supports MILPERS assigned and ships' personnel
U.S. POST OFFICE	Provides full range of postal services, including parcel post, registered mail and money orders	Supports MILPERS assigned, ship's personnel and maintenance activity
NAVY REGIONAL CONTRACTING CENTER	Provides \$1 billion annual acquisition support to naval shore and fleet units in Western U.S. contracting region	Supports Maintenance activity
FLEET INDUSTRIAL SUPPLY CENTER	Provides supply support to customers in greater Los Angeles basin	Supports maintenance activity
DEFENSE DISTRIBUTION DEPOT	Provides for operation of all physical distribution functions for Fleet Industrial Supply Center	Supports maintenance activity
SUPERVISOR OF SHIPBUILDING	Administers shipbuilding, design, conversion and facility contracts and administers overhauls, repairs, alterations, activations and inactivations performed on naval ships at private yards	Supports maintenance activity
SHORE INTERMEDIATE MAINTENANCE ACTIVITY DETACHMENT	Provides intermediate level maintenance, repairs and technical assistance for ships in local area	Supports maintenance activity
DEFENSE PRINTING SERVICE	Provides printing and publication services for DOD activities in local area	Supports maintenance activity

ARMY VETERINARY CLINIC	Provides meat inspection services for DOD resale and preparation facilities in local area	Supports MILPERS assigned and ships' personnel
NAVY CRIMINAL INVESTIGATIVE SERVICE	Provides local NCIS service for ships and shore activities at LBNSY	Supports MILPERS assigned, ships' personnel and maintenance activity
NAVY AND MARINE CORPS RESERVE CENTER	Provides for administration and personnel support for drilling reserve units in Los Angeles area	Supports MILPERS assigned and ships' personnel
DEFENSE REUTILIZATION AND MARKETING OFFICE	Provides for reuse of equipment which is excess to the needs of given activity by other activities; makes available for public auction equipment which is excess to the needs of DOD	Support maintenance activity
FLEET INTEGRATED LOGISTICS OVERHAUL ACTIVITY	Provides ships in overhaul or other availability with logistics support that accurately reflects ship's true configuration and trains fleet personnel to use and maintain products provided, allowing for sustained, high level of support during ship's operational period.	Improved sustained operational readiness for ships
BP CHEMICAL (HITCO) INC.	Operates government-owned Bow Dome Facility onboard Shipyard; fabricates and repairs SSN-637 and SSN-688 Classes submarine bow domes; domes awaiting repair are stored at adjacent FISC.	Function is essential to repair of naval submarines.

4.2 Do collocated activities support, or are they supported by, the depot maintenance activity?Collocated Activity Describe Relationship

Collocated Activity	Support to Maintenance Activity	Support by Maintenance Activity
Defense Commissary	Yes	No
Navy Exchange Complex	Yes	No
Personnel Support Detachment	Yes	No
Naval Dental Center	Yes	No
Naval Medical Clinic	Yes	No
USA Credit Union	Yes	No
Coastline Federal Credit Union	Yes	No
Navy-Marine Corps Relief Society	Yes	No
U.S. Post Office	Yes	No
Navy Regional Contracting Center	Yes	No
Fleet Industrial Supply Center	Yes	No
Defense Distribution Depot	Yes	No
Supervisor of Shipbuilding	Yes	Yes
Shore Intermediate Maintenance Activity Detachment	Yes	Yes
Defense Printing Service	Yes	No
Army Veterinary Clinic	Yes	No
Navy Criminal Investigative Service	Yes	No
Navy and Marine Corps Reserve Center	Yes	No

Activity 60258

Defense Reutilization and Marketing Office	Yes	Yes
Fleet Integrated Logistics Overhaul Activity	No	Yes
BP Chemical (HITCO) Inc.	No	Yes

Geographic, continued**4. Other Collocated Activities, continued**

4.3 How would these activities and the depot maintenance activity function if they were not collocated?

<u>Collocated Activity</u>	<u>Describe Impact if not Collocated</u>
DEFENSE COMMISSARY	Loss of benefit to MILPERS and local retired personnel.
NAVY EXCHANGE COMPLEX	Loss of benefit to MILPERS and local retired personnel.
PERSONNEL SUPPORT DETACHMENT	Inability to provide local MILPERS/MILPAY/travel/transportaion support
NAVAL DENTAL CENTER	Loss of benefit to MILPERS
NAVAL MEDICAL CLINIC	Loss of benefit to MILPERS/CIVPERS for occupational medical services
USA CREDIT UNION	Inconvenience to MILPERS/CIVPERS
COASTLINE FEDERAL CREDIT UNION	Inconvenience to MILPERS/CIVPERS
NAVY-MARINE CORPS RELIEF SOCIETY	Inconvenience to MILPERS
US. POST OFFICE	Ineffective for Shipyard/ships/tenants/MILPERS/CIVPERS
NAVY REGIONAL CONTRACTING CENTER	Inconvenience to Shipyard/ships/tenants
FLEET INDUSTRIAL SUPPLY CENTER	Inconvenience to Shipyard/ships/tenants
DEFENSE DISTRIBUTION DEPOT	Ineffective for FISC

SUPERVISOR OF SHIPBUILDING	Inconvenience to SUPSHIPS/ships
SHORE INTERMEDIATE MAINTENANCE ACTIVITY DETACHMENT	Inconvenience to SIMA/ships
DEFENSE PRINTING SERVICE	Inconvenience to Shipyard/ships/tenants
ARMY VETERINARY CLINIC	Inconvenience to DECA
NAVY CRIMINAL INVESTIGATIVE SERVICE	Loss of immediate responsiveness to Shipyard/ships/tenants
NAVY AND MARINE CORPS RESERVE CENTER	Loss of active military support structure for N&MCRC
DEFENSE REUTILIZATION AND MARKETING OFFICE	Inconvenience to Shipyard/ships/tenants
FLEET INTEGRATED LOGISTICS OVERHAUL ACTIVITY	Inconvenient for FLTILO/ships
BP CHEMICAL (HITCO) INC.	New GOCO site required for performance of function

Geographic, continued

5. Encroachment

5.1 Have operations at this activity been at all constrained to accommodate requests of the local communities?

No

<u>Type of Encroachment</u>	<u>Operation Impacted</u>	<u>Describe</u>
-----------------------------	---------------------------	-----------------

None

5.2 Indicate any encroachment constraints on current or future operations that would restrict future expansion.

<u>Type of Encroachment</u>	<u>Constraint on Expansion</u>	<u>Describe</u>
-----------------------------	--------------------------------	-----------------

Oil well production - there are various easement areas located within parcels of Long Beach Naval Shipyard property totaling approximately 8 acres which are not contiguous and are reserved for oil production by the City of Long Beach, CA in Civil No. 63-1204.

MEASURES OF MERIT**Facilities and Equipage****6. Unique or Peculiar Facilities**

6.1 List unique or peculiar testing facilities, excluding equipment (e.g. runways, railheads, ports, tracks, ponds, etc.).

Test FacilityDescribe Uniqueness/Peculiarity

(a) Pump repair and test facility

1. Centralized/coordinated overhaul and repair work area featuring dedicated machine tool and welding support.
2. Dedicated kitting areas
3. Dedicated testing facilities with the following components:
 - a. steam generators, 1550 psi, 1000 degrees superheat and 30,000 lbs per hour rating.
 - b. 14 pump test analyzers 0-5000 GPM liquid capacity, 0-400 amp load. Pressures to 2000 psi, higher on application.
 - c. Testing media: water, fuel oil and lubricating oil.
 - d. Vibration analysis

(b) Electric motor test facility

One of a kind test facility to test 440VAC 3 phase 60 Hz induction motors that serve horizontal and vertical applications. The motors range in size from fractional to 350 horsepower. The facility includes five microprocessor based test consoles, a Hewlett-Packard 1000E central computer, four eddy current dynamometers for loading motors and a electrical distribution center for motors under test. In addition to the normal measurement parameters for electric motors (i.e. temperature, speed, voltage, current and torque), measurements are also made on phase winding resistance, friction and windage losses, and vibrational levels.

- (c) Generator/Motor-Generator set test facility The only known West Coast test facility to test motor-generator sets which provide 400 Hz power at ratings up to 300 KW. A 300 KW resistive-reactive load bank is used for absorbing power from the motor-generators sets in test. The facility also includes a 110 foot YFN type electrical test barge used in the load testing of shipboard generators up to 2500 KW and shore power stations with a rating of 450 VAC, 3 phase to 5000 amps with various power factors. The major equipment on the test barge are three 1500 KW, one 750 KW and one 300 KW resistive/reactive test units.
- (d) Anechoic Chambers test facility Capability to electronically test antennas in an interference-free environment
- (e) Diesel engine test and analyzer facility This one of a kind, state of the art industrial diesel complex is dedicated to Depot Level Maintenance of diesel engines up to 2,000 HP and to diesel components (i.e. cylinder heads, turbochargers, fluid pumps, injectors, governors, etc.)
- Access to the diesel repair/test facility is supported by a 15-ton crane plus rail, road and water transportation.
- The diesel repair facility includes 2,664 square foot temperature controlled "Clean Room" repair space with two (2) 4,000 capacity overhead cranes. The unique diesel test/analyzer facility adjoins the Clean Room and provides:
1. Simultaneous testing of four (4) engines in separate soundproof test cells.
 2. Computer-controlled data acquisition system with automated central test reporting.
 3. Dyno testing of engines up to 2,000 horsepower.
 4. Generic testing hardware is independent of engine model.

5. Automatic failsafe system includes warning and shutdown by individual parameters.
 6. Environmental control of engine emissions by means of a natural gas rooftop incinerator.
 7. Remote-control and monitoring of all four (4) test systems from a central, sound-proof control room.
- (f) Hydraulic transmissions, motors and cylinders and test facility
1. Simultaneous testing of two units in separate test cells
 2. Computer controlled data acquisition system with automated central test reporting
 3. Dyno testing of transmissions up to 200 HP input, with variable drive speeds
 4. Generic testing hardware is independent of transmission model, and provides emulation of operational environment.
- (g) Air compressor test facility
- This is the only West Coast Shipyard compressor test cell. Built with dedicated computerized testing equipment which monitors the compressor under test. The system has safety shutdown devices, is certified to 10,000 psi with a normal testing range of 60 to 4500 psi. Hard copy analysis and quality documentation is automatically provided.
- (h) Air conditioning and Refrigeration test facility
- This is the only West Coast Shipyard AC&R compressor test cell. Fully automated environmentally compliant, sound dampened test cell equipped with computerized on line monitoring. Hard copy analysis and quality documentation is automatically provided. System is equipped with automatic safety shutdown devices.
- (i) Gun Fire Control System and test facility
- Complete overhauls for the above deck equipment for the MK-86 and 92 Gun Fire Control systems. Includes a state-of-the-art, one-of-a-kind test console, including network analyzers.

- (j) Optical instrument test facility
This is the only known DON facility which provides collimation and calibration of optical instruments and systems (i.e. stadimeters, sextants and theodolites) to within 2 arc seconds traceable to the National Bureau of Standards. The facility provides back engineering of lens systems, including grinding, polishing, coating, filter wavelength design, and testing for lenses and lens systems where replacement parts or technical data does not exist.
- (k) Dehydrator repair and test facility
Overhaul/refurbishment of low pressure and high pressure dehydrators to include performance testing. Only dehydrator repair facility on the West Coast.
- (l) Air flasks test facility
Only West Coast public-sector facility for test and certification of air flasks using the displacement and expansion method.
- (m) Winch testing facility
Only facility capable of testing 4th generation and spanwire winch to maximum static load of 39K pounds and 500 ft/min.
- (n) Industrial Laboratory
1. Nationally recognized California Environmental Laboratory certified for analyzing hazardous wastes and materials.
2. Full-service laboratory capable of complex chemical, metallurgical and physical property analyses for drinking water, hazardous waste, industrial chemistry of toxic elements and industrial wastewater.
- (o) Electronic Module repair and test facility
1. Repair and test all types of electrical/electronic devices and printed circuit boards using Modular Automated Test System (MOATS).
2. SPS-55 Test and Repair station is used to test and align all printed circuit cards, modules and sub-assemblies of the entire SPS-55 Surface Search Radar system and others. It is the only known system of this type in existence.

3. SPS-40 Series Test and Repair station is capable of testing, aligning and repairing all modules of the SPS-40 Air Search Radar, for both foreign and US ships. This station is one of a kind, built specially for the refit shop.

4. Electronics repair center is capable of printed circuit board repair to include multilayer and flexible circuit repair up to 18 layers thick. The Pace PRC-2000 Process Control System and the specialized 400 MHZ oscilloscope and computer controlled test equipment enhance this process.

5. Overhaul, repair and test of the AN/UQN-1H, AN/UQN-4 and -4A, SM- 698/UQN, ID-1566/UQN-4, CV-2465/UQN-4 and DO-55 surface mount repair work for UQN PCBs. This work is not done at other facilities.

6. High Frequency radio repair/test of communication equipment: AN/URT-24, AN/URT-23 and AN/URA-38 for transmitters and antenna couplers also R-1051 MF receivers.

7. R.F. Tuners, AN/SRC-23(V), NSN-5895-00-993-0836, is the most advanced test fixture for the repair, analysis and overhaul of RF tuners. This is a unique facility to the Navy.

8. Power Amplifier AM-3790/SRC-23(V), NSN-7G589-00-111-7152. Advanced test, repair and overhaul equipment of power amplifiers. Only repair facility of type in the Navy.

(p) Automatic combustion controls and pneumatics test facility

Overhaul, test, set, and calibrate all pneumatic controls for:

- a. main plant boilers; 400-1200 psi
- b. waste heat boilers
- c. auxiliary and main steam systems
- d. air conditioning and refrigeration units
- e. air compressors

f. high pressure air manifolds and components to 7,000 lbs.

(q) Certified Hyperbaric chamber

Only Naval Shipyard with an on-site hyperbaric chamber for treating diving and altitude bends cases. LBNSY provides pressure testing services for potential divers and pilots in Southern California.

6.2 Indicate the reasons that these facilities are required by the depot maintenance function.

Test Facility

Reasons Required for Maintenance

All of 6.1

To provide comprehensive proof testing, verification, and certification following overhaul, repairs and alterations of complex electronic and mechanical equipment and components.

6.3 How could the depot maintenance functions be performed without these specialized facilities?

Test Facility

Describe Testing Alternatives

All of 6.1

Verification of system equipment or component overhaul or alteration repair would be limited to static measurement and (where possible) operational performance testing in a system. Where more stringent certification is required they would have to be farmed out to a manufacturer or other government facility which has the required test facility.

Facilities and Equipage, continued**7. Buildings and Their Condition**

7.1 List the buildings used to perform the depot maintenance functions by category code numbers (five or six digit CCNs), identifying their current condition (adequate, substandard, and inadequate) in Table 7.1 in thousands of square feet (KSF).

NOTE: 75% of the deficiencies defining substandard conditions are related to changes in building codes to meet seismic standards. All of our facilities have withstood earthquakes of 6.9 magnitude with only superficial damage and pose no safety problem. All seismic related deficiencies are programmed for resolution during FY 95-97.

Table 7.1: Facility Conditions

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
		#	#		
213-41	Central Tool (06)	2.0	100.1	0	A30, E05, C45
213-42	Shipfitting Shop (11)	0	107.2	0	A30, E05
213-43	Sheet Metal (17)	0	50.2	0	A30, C45
213-45	Welding (26)	0	43.7	0	A30, C45
213-48	Q.A.	0	27.7	0	C45
213-51	Weapons Shop (36)	0	63.2	0	C45
213-49	Inside Machine (31)	0	263.7	0	C45
213-52	Marine Machine (38)	5.6	87.4	0	A30, C45
213-53	Boilermaker (41)	0	64.2	0	A30, C45
213-54	Electrical (51)	0	101.4	0	C45
213-55	Pipefitter (56)	7.0	148.7	0	C45

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
213-56	Woodworking (64)	0	60.0	0	C45
213-57	Electronics (67)	0	152.7	0	C45
213-59/60	Abrasive Blast/Paint Facility (71)	43.9	25.6	0	A30, C45
213-61	Rigging Shop (72)	1.9	52.5	0	A30, E05, C45
213-64	Pattern Maker (94)	0	13.8	0	C45
213-66	Temporary Svc (99)	12.4	10.4	0	C45
Total		72.8	1,372.5	0	

Deficiency code definitions:**A30 Physical condition - Building or structure (total)****C03 Design criteria - Environmental control systems (air condition, etc.)****C45 Design criteria - To comply with current seismic codes****E05 Nonexistent - Fire deterrent system**

Facilities and Equipage, continued**7. Buildings and Their Condition**

7.1 List the buildings used to perform the depot maintenance functions by category code numbers (five or six digit CCNs), identifying their current condition (adequate, substandard, and inadequate) in Table 7.1 in thousands of square feet (KSF).

NOTE: 75% of the deficiencies defining substandard conditions are related to changes in building codes to meet seismic standards. All of our facilities have withstood earthquakes of 6.9 magnitude with only superficial damage and pose no safety problem. All seismic related deficiencies are programmed for resolution during FY 95-97.

Table 7.1: Facility Conditions

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
		#	#		
213-41	Central Tool (06)	2.0	100.1	0	A30, E05, C45
213-42	Shipfitting Shop (11)	0	107.2	0	A30, E05
213-43	Sheet Metal (17)	0	50.2	0	A30, C45
213-45	Welding (26)	0	43.7	0	A30, C45
213-48	Q.A.	0	27.7	0	C45
213-51	Weapons Shop (36)	0	63.2	0	C45
213-49	Inside Machine (31)	0	263.7	0	C45
213-52	Marine Machine (38)	5.6	87.4	0	A30, C45
213-53	Boilermaker (41)	0	64.2	0	A30, C45
213-54	Electrical (51)	0	101.4	0	C45
213-55	Pipefitter (56)	7.0	148.7	0	C45

CCN	Facility Type	Condition / Area (# KSF)			Comments
		Adequate	Substandard	Inadequate	
213-56	Woodworking (64)	0	60.0	0	C45
213-57	Electronics (67)	0	152.7	0	C45
213-59/60	Abrasive Blast/Paint Facility (71)	43.9	25.6	0	A30, C45
213-61	Rigging Shop (72)	1.9	52.5	0	A30, E05, C45
213-64	Pattern Maker (94)	0	13.8	0	C45
213-66	Temporary Svc (99)	12.4	10.4	0	C45
Total		72.8	1,372.5	0	

Deficiency code definitions:**A30 Physical condition - Building or structure (total)****C03 Design criteria - Environmental control systems (air condition, etc.)****C45 Design criteria - To comply with current seismic codes****E05 Nonexistent - Fire deterrent system**

Facilities and Equipage, continued

7.2 In Table 7.2.a, identify space available for expansion by building type for those facility category code numbers (five or six digit CCNs) that are most important to your mission. An activity's expansion capability is a function of its ability to reconfigure/rehabilitate existing underutilized facilities to accept new or increased requirements.

Table 7.2.a: Space Available for Expansion

Building ID / Type	CCN	Installation Space (KSF)			Total
		Adequate	Substandard	Inadequate	
132/INSIDE MACHINE	213-49	0	42.7	0	42.7
210/ELECTRONICS	213-57	0	25.8	0	25.8
132E/PIPEFITTER	213-55	0	25.2	0	25.2
128/SHIPFITTING	213-42	0	17.4	0	17.4
131/CENTRAL TOOL	213-41	0	16.5	0	16.5
210/ELECTRICAL	213-54	0	16.4	0	16.4
129/MARINE MACHINE	213-52	0	15.1	0	15.1
TOTAL:			159.1	0	159.1

Facilities and Equipage, continued**8. Unique and/or Peculiar Capabilities and Capacities**

8.1 What unique and/or peculiar capabilities and capacities does the depot maintenance activity possess?

Depot Maintenance Capability/CapacityDescribe Why Unique/Peculiar

In addition to the items listed in 6.1

(a) Mobile hazardous material
waste spill capability

Ability to respond to land and water spills. California certified for level A entry. Rapid deployment capability for containment and pick-up of spills. Able to assist Coast Guard and other agencies with spill containment and cleanup.

(b) Electroslag surfacing (ESS)

Only shipyard qualified in this process (625 inconel) with ability to surface deposit:

- a. Propulsion Shafting
- b. Hawse pipes
- c. Large diameter valves
- d. Carrier launch rails
- e. Missile launch tubes
- f. Hatch covers

(c) Flexible computer
integrated manufacturing

Centralized programming/process planning facility (direct numerical control capable DNC) state of the art equipment utilizing Intergraph client server technology supported by machine language output processors, computer assisted process planning, and modular fixturing technology. Twenty six computer numerical control machine tools equipped with tool changes, modular tooling, shop floor conversational programming, and graphical user interfaces. Manufacturing library contains over 1100 manufacturing work packages.

1. Horizontal CNC bar turning/milling center capability (3 axis)
 - a. .125 to 1.250 dia. x 10.0" long
 - b. 2.0" to 10.0" dia. x 29" long
2. Horizontal CNC turning/shafting (2 axis)
 - a. 20"swing x 90" length
 - b. 76" swing over bed x 83'11" long
3. Vertical CNC turning/boring (3 axis)

33" dia. x 47" long
4. Horizontal machining/drilling (4 axis)

12" cube size up to 48" cube size with face milling capability.
5. Vertical machining/drilling (4 axis)

4" cube size up to 36" cube size. (10' length on traveling column).
6. Computer coordinate measurement machine technology (50" cube size)

Inspection and reverse engineering
7. CNC vertical wire electrical discharge machining 300mm x 450mm x 650mm table size.
8. CNC vertical die sink electrical discharge machine 12" x 16" x 48" table size. Both machine tools are used for die forming, gear cutting, tool and die manufacturing and irregular/unique part as well as one of a kind part manufacturing.

8.2 Separately list the depot maintenance facilities and equipment which are one of a kind within the Service and/or DoD.

<u>Facility/Equipment</u>	<u>Describe Why It is One of a Kind</u>
(a) Repair, Analyze and Test AB-1144/SPS 40B antenna pedestal	LBNS is the only facility capable of wind load analysis, repair and testing of this equipment.
(b) Closed loop steel shot abrasive blasters	Transportable and drivable; they comply with environmental regulations.
(c) Winch test facility	Capable of weight handling, ram, portable and stationary equipment. Able to test 4th generation and spanwire winch to maximum static load of 39K pounds and 500 ft/min.
(d) Gyro test bed	Only DOD-owned unit capable of being adapted to test a wide range of gyros and stabilization units.
(e) Computerized diesel engine analyzer and test facility	This one-of -a kind diesel test/analyzer test facility provides for simultaneous testing in four separate sound proof test cells at engine ratings up to 2000 horsepower. This system provides full performance testing of all operating parameters, computer analysis of selected points and automated central test print out of the results.

Facilities and Equipage, continued**9. Acreage Available for Building**

9.1 What acreage on the installation does the government own in the proximity of the depot maintenance area that could be used for future expansion? Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Report in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage.

Table 9.1: Real Estate Resources

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	168	168	0	0
Operational	0	0	0	0
Training	0	0	0	0
R & D	0	0	0	0
Supply & Storage	11	11	0	0
Admin	34	34	0	0
Housing	0	0	0	0
Recreational	0	0	0	0
Forestry Program	0	0	0	0
Agricultural Outlease Program	0	0	0	0
Hunting/Fishing Programs	0	0	0	0
Other(Submerged)	130	130	0	0

Total:	343	343	0	0
--------	-----	-----	---	---

Note: Pier E has 14.6 acres of underutilized parking and open area that can be made available for industrial support.

Facilities and Equipage, continued

10. Administrative Space

10.1 What amount in square feet of administrative space could be made available to the depot maintenance function?

<u>Current Use</u>	<u>Square Feet</u>	<u>Potential Use (Be Specific)</u>
B-139 Supervisor	3280	Support depot maintenance administrative functions.
B-174 Environmental Office	3658	Support depot maintenance administrative functions.
B-209 Satellite Security Office	1980	Support depot maintenance administrative functions.
B-300 Engineering and Management Bldg	51,000	Through consolidations and realignments it could be possible to provide one floor of the building to support depot maintenance functions.

11. Industrial Waste

11.1 Are there any inhibiting factors that would limit future expansion on the base? Provide the details if applicable.

No

<u>Inhibiting Factor</u>	<u>Provide Detailed Description</u>
--------------------------	-------------------------------------

N/A

MEASURES OF MERIT

Primary UIC: 60258

R

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

OK

Table 12.1.a: Service Required Core

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2486342	2486342	2486342	2486342
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

R

NOTE: Table 12.1.a: **Service Required Core**
 Provided by NAVSEA Headquarters

MEASURES OF MERIT

Primary UIC: 60258

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: **Service Required Core**

COMMODITY GROUP	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.4 Electronic Warfar	59933	59933	59933	59933
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2426409	2426409	2426409	2426409
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

NOTE: Table 12.1.a: **Service Required Core**
Provided by NAVSEA Headquarters

Rev.

MEASURES OF MERIT

Primary UIC: 60258

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: **Service Required Core**

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	60690	60690	60690	60690
7.2 Radio Comm	49656	49656	49656	49656
7.4 Electronic Warfar	297936	297936	297936	297936
7.5 Nav Aids	22069	22069	22069	22069
7.6 Electro-Optics	1839	1839	1839	1839
7.7 Satellite	1839	1839	1839	1839
11.1 Ships	2420958	2420958	2420958	2420958
11.2 Weapons Sys	262131	262131	262131	262131
11.4 Shipyard Supp	781253	781253	781253	781253
13.1 Bearing Refurb	41311	41311	41311	41311
13.3 TMDE	6038	6038	6038	6038
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 12.1.a: **Service Required Core**
Provided by NAVSEA Headquarters

37 R (10/7/94)

39

MEASURES OF MERIT

Workload and Capabilities

Answers to the following questions are to reflect programmed amounts by commodity group, by activity in direct labor hours by Fiscal Year for FY 1996 through FY 1999.

12. Core Capabilities (DoD)

12.1 What is the amount of core capability required to support your own Service? Provide your answers in Table 12.1.a by commodity group for the Fiscal Years requested.

Table 12.1.a: Service Required Core

COMMODITY GROUP	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workload and Capabilities, continued

12. Core Capabilities (DoD), continued

12.2 What is the amount of capability retained for the performance of other Services core? Provide your answers in Table 12.2.a by commodity group for the Fiscal Years requested.

Table 12.2.a: Core Capability Retained for Other Services

COMMODITY TYPE	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workload and Capabilities, continued

Primary UIC: 60258



12. Core Capabilities (DoD), continued

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2486342	2486342	2486342	2486342
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

R

NOTE: Table 12.3.a: Service-Controlled Core (Title 10)
 Provided by NAVSEA Headquarters

Workload and Capabilities, continued

R

Primary UIC: 60258

12. Core Capabilities (DoD), continued

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.4 Electronic Warfar	59933	59933	59933	59933
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2426409	2426409	2426409	2426409
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

NOTE: Table 12.3.a: Service-Controlled Core (Title 10)

Provided by NAVSEA Headquarters

39 R (10/19/94)

41

Rev.

Workload and Capabilities, continued

Primary UIC: 60258

12. Core Capabilities (DoD), continued

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: **Service-Controlled Core (Title 10)**

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	60690	60690	60690	60690
7.2 Radio Comm	49656	49656	49656	49656
7.4 Electronic Warfar	297936	297936	297936	297936
7.5 Nav Aids	22069	22069	22069	22069
7.6 Electro-Optics	1839	1839	1839	1839
7.7 Satellite	1839	1839	1839	1839
11.1 Ships	2420958	2420958	2420958	2420958
11.2 Weapons Sys	262131	262131	262131	262131
11.4 Shipyard Supp	781253	781253	781253	781253
13.1 Bearing Refurb	41311	41311	41311	41311
13.3 TMDE	6038	6038	6038	6038
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 12.3.a: **Service-Controlled Core (Title 10)**

Provided by NAVSEA Headquarters

39 R (10/7/94)

41

REV

Workload and Capabilities, continued

Primary UIC: 60258

12. Core Capabilities (DoD), continued

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	434028	434028	434028	434028
Radar	60690	60690	60690	60690
Radio Comm	49656	49656	49656	49656
Electronic Warfare	297935	297935	297935	297935
Navigational Aids	22069	22069	22069	22069
Electro-Optics	1839	1839	1839	1839
Satellite	1839	1839	1839	1839
11	2683090	2683090	2683090	2683090
Ships	2420958	2420958	2420958	2420958
Weapons Sys	262132	262132	262132	262132
13				
Bearing Refurb	41311	41311	41311	41311
14	787291	787291	787291	787291
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 12.3.a: Service-Controlled Core (Title 10)
Provided by NAVSEA Headquarters

Revised by

Workload and Capabilities, continued

Primary UIC: 60258

12. Core Capabilities (DoD), continued

12.3 What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	C a p a b i l i t y (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	434029	434029	434029	434029
Radar	60691	60691	60691	60691
Radio Comm	49656	49656	49656	49656
Electronic Warfare	297935	297935	297935	297935
Navigational Aids	22069	22069	22069	22069
Electro-Optics	1839	1839	1839	1839
Satellite	1839	1839	1839	1839
11	2683089	2683089	2683089	2683089
Ships	2420958	2420958	2420958	2420958
Weapons Sys	262131	262131	262131	262131
13	47349	47349	47349	47349
Bearing Refurb	41311	41311	41311	41311
Calibration	6038	6038	6038	6038
14	781253	781253	781253	781253
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 12.3.a: Service-Controlled Core (Title 10)

Provided by NAVSEA Headquarters

Workload and Capabilities, continued

12. Core Capabilities (DoD), continued

~~12.3~~ What portion of the Service Core capability identified in the 12.1a above is identified as Service-Controlled Core (Title 10 responsibility)? Provide your answer in Table 12.3.a by commodity group for the Fiscal Years requested.

Table 12.3.a: Service-Controlled Core (Title 10)

COMMODITY GROUP	Capability (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

R

Workload and Capacities, continued

Primary UIC: 60258

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2486342	2486342	2486342	2486342
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

R

NOTE: Table 13.1a Total Core Workloads
Provided by NAVSEA Headquarters

Workload and Capacities, continued

Primary UIC: 60258

R

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.4 Electronic Warfar	59933	59933	59933	59933
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2426409	2426409	2426409	2426409
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

NOTE: Table 13.1a Total Core Workloads
 Provided by NAVSEA Headquarters

40 R (10/19/94)

42

Rev.

Workload and Capacities, continued

Primary UIC: 60258

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	60690	60690	60690	60690
7.2 Radio Comm	49656	49656	49656	49656
7.4 Electronic Warfar	297936	297936	297936	297936
7.5 Nav Aids	22069	22069	22069	22069
7.6 Electro-Optics	1839	1839	1839	1839
7.7 Satellite	1839	1839	1839	1839
11.1 Ships	2420958	2420958	2420958	2420958
11.2 Weapons Sys	262131	262131	262131	262131
11.4 Shipyard Supp	781253	781253	781253	781253
13.1 Bearing Refurb	41311	41311	41311	41311
13.3 TMDE	6038	6038	6038	6038
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 13.1a Total Core Workloads
Provided by NAVSEA Headquarters

40 R (10/7/94)

42

R5V

Workload and Capacities, continued

Primary UIC: 60258

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	434028	434028	434028	434028
Radar	60690	60690	60690	60690
Radio Comm	49656	49656	49656	49656
Electronic Warfare	297935	297935	297935	297935
Navigational Aids	22069	22069	22069	22069
Electro-Optics	1839	1839	1839	1839
Satellite	1839	1839	1839	1839
11	2683090	2683090	2683090	2683090
Ships	2420958	2420958	2420958	2420958
Weapons Sys	262132	262132	262132	262132
13				
Bearing Refurb	41311	41311	41311	41311
14	787291	787291	787291	787291
TOTAL	3945720	3945720	3945720	3945720

NOTE: Table 13.1a Total Core Workloads
Provided by NAVSEA Headquarters

Workload and Capacities, continued

13. Core Workloads

13.1 What are your total Core Workloads to be applied against capabilities identified in Tables 12.1a and 12.2a)? Provide your answer (DLH) in Table 13.1.a by commodity group for the Fiscal Year requested.

Table 13.1a Total Core Workloads

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workload and Capabilities, continued

14. Other Workloads (Above Core)

14.1 What above core workloads do you perform by these source categories? Use the most appropriate category, but do not duplicate workload on more than one table. Provide answers in Tables 14.1.a through 14.1.g by commodity group for the Fiscal Years requested.

Table 14.1.a: FMS Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

14. Other Workloads (Above Core), continued

Primary UIC: 60258

R

Table 14.1.d: Last Source of Repair Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	975	0	2058	2042
7.2 Radio Comm	798	0	1684	1671
7.5 Nav Aids	354	0	748	743
7.6 Electro-Optics	30	0	62	62
7.7 Satellite	30	0	62	62
11.1 Ships	198659	0	419046	415942
11.2 Weapons Sys	21051	0	44405	44076
11.4 Shipyard Supp	34445	0	72657	72118
13.1 Bearing Refurb	537	0	1132	1123
13.3 TMDE	145	0	306	305
TOTAL	257024	0	542160	538144

R

NOTE: Table 14.1.d: Last Source of Repair Workload
 Provided by NAVSEA Headquarters

R

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.b: Interservice Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Provided by NAVSEA Headquarters

Table 14.1.c: Other Agency Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Workload and Capabilities, continued
Provided by NAVSEA Headquarters

REV.

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.b: Interservice Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Provided by NAVSEA Headquarters

Table 14.1.c: Other Agency Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Workload and Capabilities, continued

Provided by NAVSEA Headquarters

42 R (10/7/94)

44

RV

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.b: Interservice Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Table 14.1.c: Other Agency Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.d: Last Source of Repair Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	0	0	0	0
11	0	0	0	0
13	0	0	0	0
14	0	0	0	0
TOTAL	0	0	0	0

NOTE: Table 14.1.d: Last Source of Repair Workload
 Provided by NAVSEA Headquarters

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.b: Interservice Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Table 14.1.c: Other Agency Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

14. Other Workloads (Above Core), continued

Primary UIC: 60258

Table 14.1.d: Last Source of Repair Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
NONE				
TOTAL				

NOTE: Table 14.1.d: Last Source of Repair Workload
Provided by NAVSEA Headquarters

48 R (10/7/94)

45

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.d: Last Source of Repair Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

K

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				

NOTE: Table 14.1.e: **Within Service Above Core Workload**
Provided by NAVSEA Headquarters

44 R (10/19/94)

46

Rev.

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	20725	16709	20354	22393
7.2 Radio Comm	16957	13671	16653	18320
7.4 Electronic Warfare	101737	82027	99918	109924
7.5 Nav Aids	7536	6076	7401	8143
7.6 Electro-Optics	628	506	617	679
7.7 Satellite	628	506	617	679
11.1 Ships	826699	666534	811915	893229
11.2 Weapons Sys	89512	72170	87911	96715
11.4 Shipyard Supp	266778	215093	262007	288248
13.1 Bearing Refurb	14174	11042	13885	15476
13.3 TMDE	1994	1994	1994	1994
TOTAL	1347368	1086328	1323272	1455800

NOTE: Table 14.1.e: **Within Service Above Core Workload**
Provided by NAVSEA Headquarters

44 R (10/7/94)

46

Workload and Capabilities, continued

Primary UIC: 60258

rev

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	148211	119495	145860	160138
Radar	20725	16709	20354	22393
Radio Comm	16956	13670	16652	18319
Electronic Warfare	101738	82028	99919	109925
Navigational Aids	7536	6076	7401	8143
Electro-Optics	628	506	617	679
Satellite	628	506	617	679
11	916211	738704	899826	989944
Ships	826699	666534	811915	893229
Weapons Systems	89512	72170	87911	96715
13				
Bearing Reburb	14173	11041	13884	15475
14 OTHER	268773	217088	264002	290243
TOTAL	1347368	1086328	1323272	1455800

R
R

NOTE: Table 14.1.e: Within Service Above Core Workload
 Provided by NAVSEA Headquarters

(R) 4 October 1994

45

Workload and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	150531	117292	143252	162506
Radar	21049	16401	20031	22724
Radio Comm	17222	13419	16389	18591
Electronic Warfare	103330	80514	98334	111550
Navigational Aids	7654	5964	7284	8263
Electro-Optics	638	497	607	689
Satellite	638	497	607	689
11	930551	725071	885581	1004578
Ships	839638	654233	799035	906433
Weapons Systems	90913	70838	86516	98145
13	16422	12796	15628	17729
Bearing Reburb	14395	10833	13665	15702
Calibration	2027	1963	1963	2027
14	270954	211123	257851	292509
TOTAL	1368458	1066282	1302282	1477322

NOTE: Table 14.1.e: Within Service Above Core Workload
 Provided by NAVSEA Headquarters

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.e: Within Service Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workload and Capabilities, continued

14. Other Workloads (Above Core), continued

Table 14.1.f: Low Quantity Above Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workloads and Capabilities, continued

Primary UIC: 60258 *R*

14. Other Workloads (Above Core), continued

**Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)**

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	975	0	2058	2042
7.2 Radio Comm	798	0	1684	1671
7.5 Nav Aids	354	0	748	743
7.6 Electro-Optics	30	0	62	62
7.7 Satellite	30	0	62	62
11.1 Ships	198659	0	419046	415942
11.2 Weapons Sys	21051	0	44405	44076
11.4 Shipyard Supp	34445	0	72657	72118
13.1 Bearing Refurb	537	0	1132	1123
13.3 TMDE	145	0	306	305
TOTAL	257024	0	542160	538144

NOTE: Table 14.1.h: Total Above Core Workload
Provided by NAVSEA Headquarters

R

Workloads and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	975	0	2058	2042
7.2 Radio Comm	798	0	1684	1671
7.4 Electronic Warfar	4789	0	10101	10026
7.5 Nav Aids	354	0	748	743
7.6 Electro-Optics	30	0	62	62
7.7 Satellite	30	0	62	62
11.1 Ships	193870	0	408945	405916
11.2 Weapons Sys	21051	0	44405	44076
11.4 Shipyard Supp	34445	0	72657	72118
13.1 Bearing Refurb	537	0	1132	1123
13.3 TMDE	145	0	306	305
TOTAL	257024	0	542160	538144

NOTE: Table 14.1.h: Total Above Core Workload
Provided by NAVSEA Headquarters

47 R (10/19/94)

49

Rev.

Workloads and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

**Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)**

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	20725	16709	20354	22393
7.2 Radio Comm	16957	13671	16653	18320
7.4 Electronic Warfare	101737	82027	99918	109924
7.5 Nav Aids	7536	6076	7401	8143
7.6 Electro-Optics	628	506	617	679
7.7 Satellite	628	506	617	679
11.1 Ships	826699	666534	811915	893229
11.2 Weapons Sys	89512	72170	87911	96715
11.4 Shipyard Supp	266778	215093	262007	288248
13.1 Bearing Refurb	14174	11042	13885	15476
13.3 TMDE	1994	1994	1994	1994
TOTAL	1347368	1086328	1323272	1455800

NOTE: Table 14.1.h: Total Above Core Workload
Provided by NAVSEA Headquarters

47 R (10/7/94)

49

Workloads and Capabilities, continued

rev
Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	148211	119495	145560	160138
Radar	20725	16709	20354	22393
Radio Comm	16956	13670	16652	18319
Electronic Warfare	101738	82028	99919	109925
Navigational Aids	7536	6076	7401	8143
Electro-Optics	628	506	617	679
Satellite	628	506	617	679
11	916211	738704	899826	989944
Ships	826699	666534	811915	893229
Weapons Systems	89512	72170	87911	96715
13				
Bearing Reburb	14173	11041	13884	15475
14 <i>OTHER</i>	268773	217088	264002	290243
TOTAL	1347368	1086328	1323272	1455800

NOTE: Table 14.1.h: Total Above Core Workload
Provided by NAVSEA Headquarters

R

(R) 4 October 1994

AB

RSV

Workloads and Capabilities, continued

Primary UIC: 60258

14. Other Workloads (Above Core), continued

Table 14.1.h: Total Above Core Workload
(Sum of Tables 14.1.a through 14.1.g)

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7	148211	119495	145560	160138
Radar	20725	16709	20354	22393
Radio Comm	16956	13670	16652	18319
Electronic Warfare	101738	82028	99919	109925
Navigational Aids	7536	6076	7401	8143
Electro-Optics	628	506	617	679
Satellite	628	506	617	679
11	916211	738704	899826	989944
Ships	826699	666534	817915	893229
Weapons Systems	89512	72170	87911	96715
13				
Bearing Reburb	14174	11042	13885	15476
14	268773	217088	264002	290243
TOTAL	1347368	1086328	1323272	1455800

NOTE: Table 14.1.h: Total Above Core Workload
Provided by NAVSEA Headquarters

48

Workload and Capabilities, continued

14. All Other Workloads (Above Core), continued

Table 14.1.g: All Other Workload (Above Core)

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

R

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2486342	2486342	2486342	2486342
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

R

NOTE: All designated CORE ship work is unique to NSYs
Provided by NAVSEA Headquarters

R

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	12209	12209	12209	12209
7.2 Radio Comm	9989	9989	9989	9989
7.4 Electronic Warfar	59933	59933	59933	59933
7.5 Nav Aids	4439	4439	4439	4439
7.6 Electro-Optics	370	370	370	370
7.7 Satellite	370	370	370	370
11.1 Ships	2426409	2426409	2426409	2426409
11.2 Weapons Sys	263471	263471	263471	263471
11.4 Shipyard Supp	431092	431092	431092	431092
13.1 Bearing Refurb	6715	6715	6715	6715
13.3 TMDE	1819	1819	1819	1819
TOTAL	3216816	3216816	3216816	3216816

NOTE: All designated CORE ship work is unique to NSYs
Provided by NAVSEA Headquarters

BSV

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Revised pg

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
See Note, Table 14.1.a				
TOTAL				

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads (Refer to Question 8.1)

15.1 What amount of the workload reported in question 8.1 is Core? Provide your answer in Table 15.1 by commodity groups for the Fiscal Years requested.

Table 15.1: Unique and/or Peculiar Total Core Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

R

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1), continued

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

Table 15.2: Non-Core Unique and/or Peculiar Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	975	0	2058	2042
7.2 Radio Comm	798	0	1684	1671
7.5 Nav Aids	354	0	748	743
7.6 Electro-Optics	30	0	62	62
7.7 Satellite	30	0	62	62
11.1 Ships	198659	0	419046	415942
11.2 Weapons Sys	21051	0	44405	44076
11.4 Shipyard Supp	34445	0	72657	72118
13.1 Bearing Refurb	537	0	1132	1123
13.3 TMDE	145	0	306	305
TOTAL	257024	0	542160	538144

R

NOTE: All Non-CORE ship work is unique to NSYs

Provided by NAVSEA Headquarters

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1), continued

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

Table 15.2: Non-Core Unique and/or Peculiar Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	975	0	2058	2042
7.2 Radio Comm	798	0	1684	1671
7.4 Electronic Warfar	4789	0	10101	10026
7.5 Nav Aids	354	0	748	743
7.6 Electro-Optics	30	0	62	62
7.7 Satellite	30	0	62	62
11.1 Ships	193870	0	408945	405916
11.2 Weapons Sys	21051	0	44405	44076
11.4 Shipyard Supp	34445	0	72657	72118
13.1 Bearing Refurb	537	0	1132	1123
13.3 TMDE	145	0	306	305
TOTAL	257024	0	542160	538144

NOTE: All Non-CORE ship work is unique to NSYs

Provided by NAVSEA Headquarters

49 R (10/19/94)

51

Rev

Workload and Capabilities, continued

Primary UIC: 60258

15. Unique and/or Peculiar Workloads (Refer to Question 8.1), continued

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

Table 15.2: Non-Core Unique and/or Peculiar Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
7.1 Radar	20725	16709	20354	22393
7.2 Radio Comm	16957	13671	16653	18320
7.4 Electronic Warfar	101737	82027	99918	109924
7.5 Nav Aids	7536	6076	7401	8143
7.6 Electro-Optics	628	506	617	679
7.7 Satellite	628	506	617	679
11.1 Ships	826699	666534	811915	893229
11.2 Weapons Sys	89512	72170	87911	96715
11.4 Shipyard Supp	266778	215093	262007	288248
13.1 Bearing Refurb	14174	11042	13885	15476
13.3 TMDE	1994	1994	1994	1994
TOTAL	1347368	1086328	1323272	1455800

NOTE: All Non-CORE ship work is unique to NSYs

Provided by NAVSEA Headquarters

49 R (10/7/94)

51

Workload and Capabilities, continued

15. Unique and/or Peculiar Workloads (Refer to Question 8.1), continued

15.2 What amount of the workload reported in question 8.1 is non-Core? Provide your answer in table 15.2 by commodity group for the Fiscal Years requested.

Table 15.2: Non-Core Unique and/or Peculiar Workload

COMMODITY GROUP	Workload (DLHs)			
	FY 1996	FY 1997	FY 1998	FY 1999
TOTAL				

Workload and Capabilities, continued**16. Scope of Work Performed**

16.1 Indicate the services/functions performed at this activity that are associated with depot maintenance, but not generally classified or considered as integral to the depot maintenance functions.

<u>Service/Function</u>	<u>Description</u>
BASE SUPPORT	Provides general administrative services and personnel functions; makes (Administration) recommendations relating to implementation and promulgation of administrative policies and procedures; processes incoming and outgoing mail metering services for tenants.
* BACHELOR QUARTERS	Provide quarters for permanently assigned unaccompanied military and both military and civilian employees assigned TEMADD/TEM DU in local area.
EMERGENCY MANAGEMENT	Designs, coordinates, established exercises and refines disaster preparedness programs for activities within Los Angeles, Orange, Riverside and San Bernardino counties.
* ENLISTED DINING GALLEY	Provide rations in kind for permanent and TEMADD/TEM DU military personnel.
* FAMILY HOUSING	Manages government housing for military families in and around Long Beach area.
* FAMILY SERVICE	Support all local commands in family education and counseling spouse employment assistance, transition assistance, and deployed support (family ombudsman program).
* MORALE, WELFARE AND RECREATION for	Provides facilities and equipment required in connection with recreation program; operates/maintains various facilities for indoor and outdoor sport and recreation; provides administrative support appropriated and non-appropriated fund MWR functions.
* RELIGIOUS MINISTRIES	Provides religious services for military personnel and dependents in local rea; includes worship services, marriages, funerals, and special occasions requiring pastoral services.

*** NOTE: Functions listed herein are in addition to depot maintenance support functions performed by collocated activities listed under item #4 of this data call which tentatively are scheduled for transfer from NAVSTALB to the shipyard as a result of BRAC 91.**

16.2 Describe how these services/functions are related to accomplishment of the depot maintenance mission, and the benefits of these relationships.

<u>Service/Function</u>	<u>Describe Relationship and Benefit to Maintenance Mission</u>
BASE SUPPORT TO	Host activity administrative support to customer ships: BENEFIT TO MILPERS/SHIPS
BACHELOR QUARTERS	Host activity temporary billeting for customer ships: BENEFIT TO MILPERS/SHIPS
EMERGENCY MANAGEMENT	Ensure preparedness/recovery capability: BENEFIT TO SHIPS/MAINTENANCE DEPOT
ENLISTED DINING GALLEY	Host activity temporary messing for customer ships: BENEFIT TO MILPERS/SHIPS
FAMILY HOUSING	Host activity govt family quarters for long overhauls: BENEFIT TO MILPERS/SHIPS
FAMILY SERVICES	FAP/RAP/TAP programs for assistance in /adjustmentPCS/separation: BENEFIT TO MILPERS
MORALE, WELFARE AND RECREATION	Host activity fitness and recreation equipment/facilities: BENEFIT TO MILPERS/SHIPS
RELIGIOUS MINISTRIES	Onboard availability of chaplain/worship services: BENEFIT TO MILPERS/SHIPS

Workload and Capabilities, continued**17. Interface with Customers**

17.1 Indicate any special functions that the depot maintenance function performs that require close interface with customers, such as on-site workloads (e.g. technical assistance, crash/battle damage repairs, modification/upgrade installations).

<u>Service/Function</u>	<u>Describe Required Interface/Relationship/Benefit</u>
Routine Ship Repair, Docking, and Modernization for In-yard Work	Day-to-day working level interaction to coordinate work, safety, testing, between ships force, intermediate maintenance activities (IMA's), contractors, external technical support and shipyard project management teams
Technical Assistance	Work with ships force, external technical support representatives, and other repair workers in identification and troubleshooting of technical ship and weapons system problems, and developing engineering solutions. May be performed on/off yard.
Planning and Estimating	Work with ships force and other technical agencies in identification of repair work; prepare repair plans and estimates, material lists.
Planning Yard Services	Work with ships force, technical agencies, and NAVSEA program managers in developing modernization plans, warfighting, reliability, or maintainability alterations; perform design and engineering calculations, produce drawings, specify equipment necessary to meet customer requirements.
Work Definition Conferences	Conduct negotiating sessions with ships force, type commander, NAVSEA, and other funding agencies to determine work scope and funding authorization.
Hazardous Waste Receipt, Handling, Stowage, Disposal	Work with ships force and other customer activities in identification, packaging, offload, and manifesting of hazardous waste in accordance with applicable and Federal and State regulations.

Quality Assurance	Work with ships force, trade personnel, and outside agencies to develop and execute Quality Assurance plans, provide tests and inspections, and provide oversight and surveillance of processes.
Testing/Certifications	Perform testing and oversight of testing with ships force, outside technical agencies, and shipyard workers to verify the operability of ship systems and equipment in accordance with required specifications.
Training	Provide training to ships force and other customers on the operation, maintenance, and repair of installed systems and equipment.
Offsite Repairs	Perform repair and modernization to ships, ship systems, equipment and components at remote locations from the shipyard. Such occasions require more than usual interaction with customers because of added reliance on customers for logistic, administrative, and personnel support. Such offsite work may be a simple Alteration Installation Team (AIT) or may be a complex battle damage or accident repairs.
Project Management	Provides project planning and execution control to availabilities. Direct, detailed, and continuous interface is required with the ship's force and funds authorizing activities to determine interferes, problems, changes in work scope, safety and environmental constraints, scheduling, priorities, and satisfactory completion of work.
Housing/Facility Maintenance	Requires interface with building occupants to minimize adverse impacts, schedule, and work around living conditions to ensure timely and quality performance to the customer's satisfaction.

MEASURES OF MERIT**Costs¹****18. Real Property Maintenance (RPM)**

18.1 What is your activity's backlog of real property maintenance for facilities performing depot maintenance as of 30 September 1993 (express in \$K)?

\$25,063

18.2 What were your activity's annual RPM expenses (in \$K) for Fiscal Years 1990-1993? Provide your answers in Table 18.2.

Table 18.2: Real Property Maintenance Expenses

	FY 1990	FY 1991	FY 1992	FY 1993
RPM Expenses (\$K)	10,763	10,496	13,359	15,625

19. Annual Operating Costs (Excludes Materials used in Depot Maintenance Workloads)

19.1 What were the total depot maintenance actual annual operating costs for your activity (AOC/\$K), excluding materials, used in depot maintenance workloads for Fiscal Years 1990-1993? What was the cost per direct labor hour (\$DLH) for actual executed hours reported in the DBOF? Provide your answers in Table 19.1.a.

Table 19.1: Annual Operating Costs

EXPENSE	FY 1990	FY 1991	FY 1992	FY 1993
AOC (\$ K)	210,422	233,362	256,846	277,063
\$ / DLH	51.16	61.90	57.91	58.30

Costs, continued

¹There are inherent differences in organizational structure and accounting systems across the Services. Consequently, cost accumulations vary considerably. This severely limits the comparability of the cost per direct labor hour (\$/DLH) rates across Service lines.

20. Environmental Compliance

20.1 What were your total depot maintenance actual and programmed environmental compliance costs (expressed in \$K) for Fiscal Years 1990-1997? Provide your answers in Table 20.1.

Table 20.1: Environmental Compliance Costs

COST(\$K)	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Actual	4,087	6,748	8,293	9,801	2,168			
Programmed	3,940	5,700	8,578	8,631	9,735	4,474	4,447	3,921

Note: Costs FY 90 through second quarter FY 94 are actuals. No actual costs can be reported for FY 95 - FY 97

20.2 If spending is accomplished as programmed above, what will be the remaining costs (backlog at the end of Fiscal Year 1997 expressed in \$K) to bring existing facilities/equipment into environmental compliance?

None

21. Local Wage Rate

21.1 What were your Department of Labor local wage rates for a WG-11, step 3 for Fiscal Years 1991 through 1994?

Table 21.1: Wage Rate

Wage Rate	FY 1991	FY 1992	FY 1993	FY 1994
WG-11 / Step3	14.07	14.64	15.25	15.81
WG-10 / Step3	13.58	14.13	14.72	15.26

NOTE: Data reflects wage rates at the beginning of each fiscal year. Data for WG-10 has also been included as more representative of the rate for our workforce. Current rates are WG-11 / Step3 - \$16.23, WG-10 / Step3 - \$15.60.

22. Programmed Capital Investments

22.1 How much is programmed for new mission equipment for Fiscal Years 1996 through 1999? Provide your answer (in \$K) in Table 22.1.

22.2 How much is programmed for replacement equipment for Fiscal Years 1996 through 1999? Provide your answer (in \$K) in Table 22.1.

Table 22.1: Programmed Capital Investments

TYPE	FY 1996	FY 1997	FY 1998	FY 1999
NEW MISSION (\$K)	850	981	700	700
REPLACEMENT (\$K)	9,170	2,300	2,880	2,420

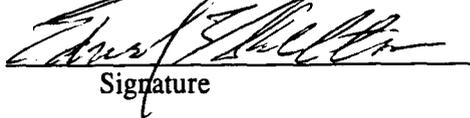
Note: The FY 1998 and FY 1999 numbers are planned but not budgeted investment.

Data Being Certified: BRAC 95 Data Call Number 9, Long Beach Naval Shipyard

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

NEXT ECHELON LEVEL (if applicable)

Edward L. Shelton


Signature

NAME (Please type or print)

Deputy Commander for Naval Shipyard
and SUPSHIP Management and Field
Activity Support Directorate
(Acting)

9/8/94
Date

Title

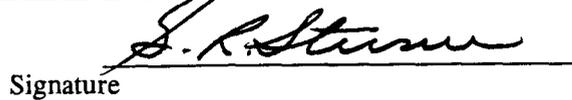
Naval Sea Systems Command

Activity

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

MAJOR CLAIMANT LEVEL

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


Signature

9/8/94
Date

Title

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. EARNEST
NAME (Please type or print)


Signature

9/9/94
Date

Title

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

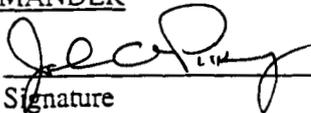
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

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

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)


Signature

Shipyard Commander
Title

7 September 1994
Date

Long Beach Naval Shipyard
Activity

Data Call #9 and Supplement

pgs. 5, 5a, 6, 6a
8, 8a

114

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9. Long Beach Naval Shipyard, Revisions.

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

NEXT ECHELON LEVEL (if applicable)

William H. Ryzewic

W. H. Ryzewic
Signature

NAME (Please type or print)

Executive Director for Naval Shipyard
and SUPSHIP Management and Field
Activity Support Directorate

9/12/94
Date

Title

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

S. R. Stumm
Signature

NAME (Please type or print)

G. P. STERNER
Commander
Naval Sea Systems Command

9/12/94
Date

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)

J. B. GREENE, JR.

J. B. Greene, Jr.
Signature

NAME (Please type or print)

ACTING

14 SEP 1994
Date

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

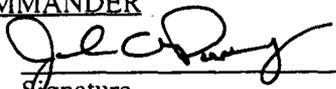
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

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

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)


Signature

Shipyard Commander
Title

9/10/94
Date

Long Beach Naval Shipyard

Activity
Data Call #9 Revisions:

- Pages: 5R
- 5aR
- 6R
- 6aR
- 8R
- 8aR

Revisions are to Data Call Supplement for Joint Cross Service Group Depot Maintenance

114

pg 39-48
50, 51

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental, Joint Cross Service
Group - Depot Maintenance Tables 12-15, Long Beach Naval Shipyard.

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

G. R. STERNER
Commander



Title Naval Sea Systems Command Date

9/12/94

Activity

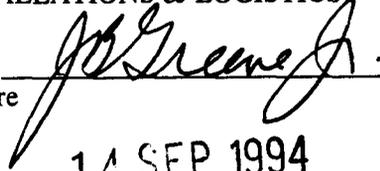
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

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

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

Signature

ACTING



14 SEP 1994

Title

Date

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental, Joint Cross Service Group - Depot Maintenance Tables 1.1a and 1.2a, Long Beach Naval Shipyard.

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
Commander

Title Naval Sea Systems Command Date

G.R. Sterner
Signature

9/29/94

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)

Title

W. A. Earner
Signature

20 SEP 1994
Date

114

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Long Beach Naval Shipyard, Revision

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

Date

9/21/94

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

Commander

Naval Sea Systems Command

Signature

G. R. Sterner

9/21/94

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

W. Eamer

Title

Date

10/5/94

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)


Signature

Shipyard Commander
Title

19 September 1994
Date

Long Beach Naval Shipyard
Activity

Data Call #9 Revisions

Pages:

- ~~5R~~
 - ~~5aR~~ } TO BE PROVIDED BY NAVSEA.
 - 6R
 - 6aR
 - 8R
 - 8aR
- H. A. [unclear] 9/21/94*

Revisions are to Data Call Supplement for Joint Cross Service Group Depot Maintenance

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental, Joint Cross Service Group - Depot Maintenance Tables 12-15, Long Beach Naval Shipyard.

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
Commander
Naval Sea Systems Command
Title

Signature *G. R. Sterner*
Date 9/29/94

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)

Title

Signature *W. A. Earner*
Date 30 SEP 1994

Data Being Certified: BRAC 95 Data Call Number 9, Long Beach Naval Shipyard

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

NEXT ECHELON LEVEL (if applicable)

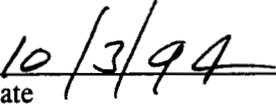
Robert S. Johnson



NAME (Please type or print)

Signature

Director, Field Activity Support Group
Naval Shipyard and SUPSHIP Management
and Field Activity Support Directorate



Title

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.

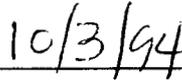
MAJOR CLAIMANT LEVEL

NAME (Please type or print)



Signature

G. R. STERNER
Commander
Naval Sea Systems Command



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

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)


Signature

Shipyard Commander
Title

22 September 1994
Date

Long Beach Naval Shipyard
Activity

Data Call #9 - Supplement One

Pages:

~~5R~~

~~5aR~~

6R

6aR

8R

8aR

} TO BE PROVIDED BY NAUSEA.
M. H. Wilson 9/23/94

114

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental, Joint Cross Service Group - Depot Maintenance Table 1.2a, Long Beach Naval Shipyard, Revision.

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 *G. R. Sterner*

G. R. STERNER
Title
Commander
Naval Sea Systems Command

Date 10-4-94

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 *W. F. Eamer*

Title

Date 10/5/94

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance Table 14.1.e and 14.1.h, Long Beach Naval Shipyard

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

Title
G. R. STERNER
Commander
Naval Sea Systems Command
Activity

10-21-94
Date

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

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

NAME (Please type or print)

W. Eamer
Signature

Title

10/5/94
Date

R.

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance, Revised Table 1.3.a, Table 3.1.a, and Table 3.1.b, Long Beach Naval Shipyard

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

Commander

Naval Sea Systems Command

Title

G. R. Sterner
Signature

10/7/94
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. A. Earner
Signature

10/7/94
Date

Title

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering

NAME (Please type or print)

Shipyards Commander

Title

Long Beach Naval Shipyards

Activity

Data Call #9 Supplement

Pages

6R

8R

8aR


Signature

6 October 1994

Date

Rev.

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance, Revised Table 1.1.a, Table 1.2.a, and Tables 12-15 provided by NAVSEA, Long Beach Naval Shipyard

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

Commander

Naval Sea Systems Command

Title

Signature



10/7/94

Date

Activity

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

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)

DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Signature



10/7/94

Title

Date

114

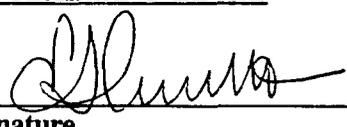
UIC N60258

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance, Revised Tables 12-15 provided by NAVSEA, Long Beach Naval Shipyard.

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

MAJOR CLAIMANT LEVEL

E. S. MCGINLEY, II
NAME (Please type or print)


Signature

Acting Commander
Title

10/19/99
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.

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

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


Signature

Title

10/19/99
Date

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance, Revised Pages 6R, 8R, 8aR. Long Beach Naval Shipyard.

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

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

2/17/95
Date

Title
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
Naval Sea Systems Command

2-18-95
Date

Title

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)**

G. G. Geiger
NAME (Please type or print)

C. Geiger
Signature

ACTING
Title

2-23-95
Date

P

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)

Shipyard Commander

Title

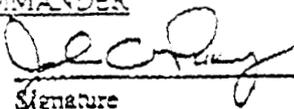
Long Beach Naval Shipyard

Activity

Data Call #9

Pages

6R
8R
8aR


Signature

13 DEC 1994

Date

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group -
Depot Maintenance, Revised Pages 5R, 5aR, 37R, 39R, 40R, 43R, 47R, 48R, 49R
Provided by NAVSEA.
Long Beach Naval Shipyard

R

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

Commander

~~Naval Sea Systems Command~~
Title

Signature

2/18/95

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)

NAME (Please type or print)

ACTING
Title

Signature

Date

R

Data Being Certified: BRAC 95 Data Call Number 9, Supplemental Joint Cross Service Group - Depot Maintenance, Revised Pages 5R, 5aR, 37R, 39R, 40R, 43R, 47R, 48R, 49R Provided by NAVSEA.
Long Beach Naval Shipyard

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 Naval Shipyard
and SUPSHIP Management and Field
Activity Support Directorate

Title

2/17/95
Date

Naval Sea Systems Command

Activity

DATA CALL WORK SHEET FOR MILITARY VALUE:
NAVAL SHIPYARDS
and
NAVAL SHIP REPAIR FACILITY

Category	.....	Industrial Activities
Type	.....	NAVAL SHIPYARDS
	.....	NAVAL SHIP REPAIR FACILITY
Claimant	.....	COMNAVSEASYSKOM (Naval Shipyards)
	.....	CINCPACFLT (Naval Ship Repair Facility)

Notes:

In the context of this Data Call:

1. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed. Use the workload as programmed in the FY 1995 Budget Submission and POM-96. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the activity configuration as of completion of all BRAC-88/91/93 actions.
2. "Production" equates to the number of items processed per Fiscal Year (FY), unless otherwise specified.
3. Unless otherwise specified, base your responses single shift operations of an eight hour day/five day notional normal work week (1-8-5). Report Direct Labor Man Years (DLMYs) in thousands of Man Years, to the nearest tenth, e.g. 32.2 K DLMYs.
4. Report workload performed on non-DON vessels (e.g. USCG, MSC) within the workload mission area most consistent with the work performed. Ensure that all workload performed/projected to be performed is reported.

If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

This document has been prepared in WordPerfect 5.1/5.2.

DATA CALL for MILITARY VALUE
Naval Shipyards and Ship Repair Facility

Table of Contents

Table of Acronyms	2
Table of Availability Types	3
Table of Ship Types	4
Mission Area	5
1. Production Workload	5
2. Operating Factors	23
Features and Facilities	39
3. Facility Measures	39
4. Support Services	54
5. Waterfront Support Servic	55
6. Personnel Experience	57
Costs	58
7. Investments	58
8. Labor Rates	63
Strategic Concerns	67
9. Location Factors	67
10. Natural Inhibitors to Operations	69
11. Contingency and Mobilization Features	71
Environment and Encroachment	72
12. Environmental Considerations	72
13. Encroachment Considerations	74
Customer Support	75
14. Customer Support	75
Quality of Life	76
15. Military Housing - Family Housing	76
16. Military Housing - Bachelor Quarters	80
17. MWR Facilities	83
18. Base Family Support Facilities and Programs	85
19. Metropolitan Areas	88
20. VHA Rates	89
21. Off-base Housing Rental and Purchase	91
22. Sea-Shore Opportunities	94
23. Commuting Distances	95
24. Regional Educational Opportunities	96
25. Spousal Employment Opportunities	99
26. Medical / Dental Care	100
27. Crime Rate	101

Table of Acronyms

\$	Dollars
%	Percent
#	Number
ACT	American College Test
AOB	Average on Board
APPN	Appropriation
ARC	Alcohol Rehabilitation Center
Avlb	Availability
BAQ	Basic Allowance for Quarters
BEQ	Bachelor Enlisted Quarters
BOQ	Bachelor Officers Quarters
BQ	Bachelor Quarters
DoD	Department Of Defense
DoDDS	Department of Defense Dependents Schools
DON	Department of the Navy
ESQD	Explosive Safety Quantity Distance
FSC	Family Service Center
FY	Fiscal Year
FYDP	Future Years Defense Plan
HQ	Headquarters
HS	High School
ITT	Information, Tickets and Tours
LF	Linear Feet
MH	Man Hours
MLS	Multiple Listing Service
N / A	Not Applicable
NCIS	Naval Criminal Investigative Service
NM	Nautical Miles
NSYD	Naval Shipyard
OMN	Operations and Maintenance, Navy
POM	Program Objectives Memorandum
PN	Number of personnel accommodated
Qtr	Quarter
SAT	Scholastic Aptitude Test
SCN	Ship Construction, Navy
SF	Square Feet
SRF	Ship Repair Facility
UIC	Unit Identification Code
VHA	Variable Housing Allowance
W/O	Without
WY	Work Years
YR	Year

Table of Availability Types

Nuclear	
CVN Complex Overhaul	COH
CVN Refueling Complex Overhaul	RCOH
CVN Docking Selected Restricted Availability	DSRA
CVN Extended Docking Selected Restricted Availability	EDSR
CVN Docking Phased Incremental Availability	DPIA
CVN Selected Restricted Availability	SRA
CVN Extended Selected Restricted Availability	ESRA
CVN Phased Incremental Availability	PIA
SSBN Inactivation	INACT
SSBN Extended Refit Period	ERP
SSBN Regular Overhaul / Refueling Overhaul	ROH/RFOH
SSBN Engineered Overhaul / Engineered Refueling Overhaul	EOH/ERO
SSN Inactivations	INACT
SSN Regular Overhaul / Refueling Overhaul	ROH / RFOH
SSN Engineered Overhaul / Engineered Refueling Overhaul	EOH / ERO
SSN Docking Selected Restricted Availability	DSRA
SSN Depot Modernization Period	DMP
CGN Inactivations	INACT
CGN Complex Overhaul / Refueling Complex Overhaul	COH/RCOH
CGN Docking and Non-Docking Selected Restricted Availability	DSRA/SRA
 NonNuclear	
Regular Overhaul	ROH
Complex Overhaul	COH
Docking Phased Maintenance Availability	DPMA
Phased Maintenance Availability	PMA
Docking Selected Restricted Availability	DSRA
Selected Restricted Availability	SRA
Service Craft Overhaul	SCO
Inactivations	INACT
 Other Productive Work	 OPW
Restricted Availability/Technical Availability	RA/TA

Table of Ship Types

CVN 68
CV 62
CGN 38
CG 47
SSBN 726
SSN 688
SSN 21
DD 963
DDG 51
DDG 993
FFG 7

AD 41
AOE 1
AOE 6
ARS 50
AS 36/39

LCC 19
LCC 20
LHA 1
LHD 1
LPD 4
LPH 2
LSD 36
LSD 41

MCM 1 / MCS-
12 / MHC 51
AFB / AFDL /
AFDM / ARDM
NR-1
AGF 3 / AGF 11

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**Data Call for Military Value:
 Naval Shipyards and Naval Ship Repair Facilities**

Questions for the Activities

Primary Activity UIC: N60258

(Use this number as the Activity identification at the top of each page.)

Mission Area

1. Production Workload

1.1 Workload Breakout by Availability. Using the Table of Availability Types, identify the work package and number of availabilities (Avlb) for the types/classes of ships which have been or will be maintained, modernized, or converted at your activity. Include all CNO and non-CNO scheduled shipwork, off-site work, and Other Production Work (OPW). Account for availabilities whose durations exceed one fiscal year by including them in all fiscal years with scheduled work from that availability. Do not include potential guarantee work in your submission.

Example: NSYD Sample executed:

- two 12month duration SSN 688 class DMPs, beginning in September 1990 and in August 1991 respectively;
- two SSN 688 class DSRAs (each of 2 month duration) beginning in December 1991 and March 1992 respectively;
- an SSN 688 class ERO of 22 month duration, beginning in June 1993; and
- two AOE1 class DPMA's, each of 6 month duration, begun in September 1990 and January 1991 respectively.

This workload would be represented as:

Class of Vessel	FY 1990		FY 1991		FY 1992		FY 1993	
	Avlb (#)							
SSN 688	DMP (1)		DMP (2)		DMP (1)	SRA (2)	ERO (1)	
AOE 1	DPMA (1)		DPMA (2)					

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.a: Workload Breakout by Type of Availability

Class of Vessel	FY 1990				FY 1991			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62								
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4								
LPH 2								
LSD 36	RA(2)				DPMA (1)	RA(1)		
LSD 41								
CV 61	DSRA (1)							
ARS 38	RA (1)				RA (1)			
LKA 113	RA (1)							
AOR 1					PMA (1)			
WHEC 718	RA (1)				RA (2)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.b: Workload Breakout by Type of Availability

Class of Vessel	FY 1990				FY 1991			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM	ROH (1)							
NR-1								
AGF3/AGF11								
CG 47	SRA (1)				DSRA (1)	SRA (1)		
DD 963	ROH (1)	RA (2)			ROH (2)	DSRA (1)		
DDG 51								
DDG 993	ROH (1)				ROH (1)			
FFG 7	PSA (1)				DSRA (1)	RA (1)		
LHA 1	SRA (1)				SRA (1)	COH (1)		
LHD 1								
CGN 38								
FF 1052	DSRA (1)	SRA (2)	RA (2)		SRA (1)	RA (1)		
BB 61	Inact (1)				RA (1)	Inact (1)		
AD 14					RA (1)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.c: Workload Breakout by Type of Availability

Class of Vessel	FY 1992				FY 1993			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62					SRA (1)			
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4					DPMA (1)	RA (1)		
LPH 2								
LSD 36	DPMA (1)				DPMA (1)			
LSD 41								

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.d: Workload Breakout by Type of Availability

Class of Vessel	FY 1992				FY 1993			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM								
NR-1								
AGF3/AGF11								
CG 47	SRA (1)	DRA (1)			SRA (1)	RA (1)		
DD 963	ROH (2)	DSRA (1)			ROH (2)	DSRA (1)	SRA (1)	
DDG 51								
DDG 993								
FFG 7					RA (2)			
LHA 1	COH (1)				COH (2)	RA (1)		
LHD 1					PSA (1)			
CGN 38								
BB 61	Inact (1)							
FF 1052	DSRA (2)				DSRA (3)	RA (4)		
AOR 1	SRA (1)	DPMA (1)			DPMA (1)			
WHEC 718	TA (2)				TA (4)			
LKA 113					RA (1)			
CV 61					Inact (1)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.e: Workload Breakout by Type of Availability

Class of Vessel	FY 1994				FY 1995			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62								
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4								
LPH 2								
LSD 36								
LSD 41								

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.f: Workload Breakout by Type of Availability

Class of Vessel	FY 1994				FY 1995			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM					SCO (1)			
NR-1								
AGF3/AGF11								
CG 47	DSRA (1)				ROH (1)			
DD 963	ROH (1)				ROH (2)			
DDG 51								
DDG 993								
FFG 7	SRA (3)				SRA (2)			
LHA 1	COH (1)	RA (1)			COH (1)			
LHD 1	PSA (1)							
CGN 38								
CV 61	Inact (1)							
FF 1052	DSRA (3)				DSRA (3)			
FML					DSRA (2)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.g: Workload Breakout by Type of Availability

Class of Vessel	FY 1996				FY 1997			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62					ROH (1)			
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4								
LPH 2								
LSD 36								
LSD 41								

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.h: Workload Breakout by Type of Availability

Class of Vessel	FY 1996				FY 1997			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM	SCO (2)				SCO (1)			
NR-1								
AGF3/AGF11								
CG 47					ROH (1)			
DD 963	ROH (3)				ROH (2)			
DDG 51								
DDG 993								
FFG 7								
LHA 1								
LHD 1	PSA (1)							
CGN 38								
FML	DSRA (3)				DSRA (3)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.i: Workload Breakout by Type of Availability

Class of Vessel	FY 1998				FY 1999			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62	ROH (1)	DSRA (1)						
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4								
LPH 2								
LSD 36								
LSD 41								

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.j: Workload Breakout by Type of Availability

Class of Vessel	FY 1998				FY 1999			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM								
NR-1								
AGF3/AGF11								
CG 47	ROH (1)				ROH (1)			
DD 963					ROH (1)			
DDG 51								
DDG 993								
FFG 7								
LHA 1	COH (1)				COH (1)			
LHD 1					COH (1)			
CGN 38								
FML	DSRA (4)				DSRA (4)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.k: Workload Breakout by Type of Availability

Class of Vessel	FY 2000				FY 2001			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
SSBN 726								
SSN 688								
SSN 21								
CVN 68								
CV 62								
AD 41								
AOE 1								
AOE 6								
ARS 50								
AS 36/39								
LCC 19								
LCC 20								
LPD 4								
LPH 2								
LSD 36								
LSD 41								

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.1.1: Workload Breakout by Type of Availability

Class of Vessel	FY 2000				FY 2001			
	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)	Avlb/(#)
MCM1/MCS12/ MHC51								
AFDB/AFDL/ AFDM/ARDM	SCO (1)							
NR-1								
AGF3/AGF11								
CG 47	ROH (1)							
DD 963	ROH (1)							
DDG 51					ROH (1)			
DDG 993								
FFG 7								
LHA 1	COH (1)				COH (1)			
LHD 1	COH (1)				COH (1)			
CGN 38								
FML	DSRA (4)				DSRA (4)			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. **Production Workload, continued**

1.2 DLMY Workload. Identify the Direct Labor Man Years (DLMYs) expended or projected to be expended in performance of the listed work packages for the period requested.

Table 1.2.a: **Historic/Projected Work Package Performance**

EVENT	FY 1990	FY 1991	FY 1992	FY 1993
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 1.2.a Total				

Shipyard

ACTIVITY: Long Beach Naval
UIC: N60258

1. Production Workload, continued

Table 1.2.b: Histoic/Projected Work Package Performance

EVENT		FY 1990	FY 1991	FY 1992	FY 1993	Revisio
Non Nuclear ROH		.922	.305	.593	.553	R
Non Nuclear COH		.005	.545	.584	.280	R
Non Nuclear DPMA			.001	.219	.261	R
Non Nuclear PMA			.082			R
Non Nuclear DSRA		.220	.154	.119	.425	R
Non Nuclear SRA		.263	.059	.076	.204	R
Non Nuclear SCO						
Other INACTs		.038	.100	.018	.077	R
OPW:	Nuclear					
	NonNuclear	.303	.317	.321	.362	
RATA:	Nuclear					
	NonNuclear	.164	.147	.107	.077	
Table 1.2.b Total		1.915	1.710	2.037	2.239	R
Table 1.2.a Total		0	0	0	0	
Annual Total		1.915	1.710	2.037	2.239	R

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.2.b: Historic/Projected Work Package Performance

EVENT		FY 1990	FY 1991	FY 1992	FY 1993
Non Nuclear ROH		.922(R)	.305(R)	.593(R)	.553(R)
Non Nuclear COH		.005(R)	.545(R)	.584(R)	.280(R)
Non Nuclear DPMA			.001(R)	.219(R)	.261(R)
Non Nuclear PMA			.082(R)		
Non Nuclear DSRA		.220(R)	.154(R)	.119(R)	.425(R)
Non Nuclear SRA		.263(R)	.059(R)	.076(R)	.204(R)
Non Nuclear SCO					
Other INACTs		.038(R)	.100(R)	.018	.007
OPW:	Nuclear				
	NonNuclear	.303	.317	.321	.362
RATA:	Nuclear				
	NonNuclear	.164	.147	.107	.077
Table 1.2.b Total		1.915(R)	1.710(R)	2.037(R)	2.239(R)
Table 1.2.a Total		0	0	0	0
Annual Total		1.915(R)	1.710(R)	2.307(R)	2.239(R)

(R) - Indicates revised number as of 25 July '94.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. **Production Workload, continued**

Table 1.2.b: **Histoic/Projected Work Package Performance**

EVENT		FY 1990	FY 1991	FY 1992	FY 1993
Non Nuclear ROH		.522	.251	.581	.579
Non Nuclear COH			.570	.885	.296
Non Nuclear DPMA			.002	.215	.262
Non Nuclear PMA			.064		
Non Nuclear DSRA		.260	.149	.121	.424
Non Nuclear SRA		.244	.055	.074	.212
Non Nuclear SCO					
Other INACTs		.040	.098	.018	.077
OPW:	Nuclear				
	NonNuclear	.303	.317	.321	.362
RATA:	Nuclear				
	NonNuclear	.164	.147	.107	.077
Table 1.2.b Total		1.533	1.653	2.322	2.289
Table 1.2.a Total		0	0	0	0
Annual Total		1.533	1.653	2.322	2.289

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.2.c: Historic/Projected Work Package Performance

EVENT	FY 1994	FY 1995	FY 1996	FY 1997
CVN COH				
CVN RCOH				
CVN DSRA				
CVN EDSR				
CVN DPIA				
CVN SRA				
CVN ESRA				
CVN PIA				
SSBN INACT				
SSBN ERP				
SSBN ROH/RFOH				
SSBN EOH/ERO				
SSN INACT				
SSN ROH/RFOH				
SSN EOH/ERO				
SSN DSRA				
SSN DMP				
CGN INACT				
CGN COH/RCOH				
CGN DSRA/SRA				
Table 1.2.c Total				

Shipyard

ACTIVITY: Long Beach Naval
UIC: N60258

R

1. Production Workload, continued

Table 1.2.d: Historic/Projected Work Package Performance

EVENT		FY 1994	FY 1995	FY 1996	FY 1997	Revision
Non Nuclear ROH		.079	.574	.685	.614	R
Non Nuclear COH		.705	.001			
Non Nuclear DPMA						
Non Nuclear PMA						
Non Nuclear DSRA		.170	.549	.435	.451	
Non Nuclear SRA		.224	.006	.091		R
Non Nuclear SCO			.093	.094	.112	
Other INACTs		.073				R
OPW:	Nuclear					
	NonNuclear	.307	.327	.327	.327	
RATA:	Nuclear					
	NonNuclear	.063	.081	.098	.098	
Table 1.2.d Total		1.621	1.631	1.730	1.602	R
Table 1.2.c Total		0	0	0	0	
Annual Total		1.621	1.631	1.730	1.602	R

K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. Production Workload, continued

Table 1.2.d: Historic/Projected Work Package Performance

EVENT		FY 1994	FY 1995	FY 1996	FY 1997
Non Nuclear ROH		.078	.574	.685	.614
Non Nuclear COH		.705	.001		
Non Nuclear DPMA					
Non Nuclear PMA					
Non Nuclear DSRA		.170	.549	.435	.451
Non Nuclear SRA		.218	.006	.091	
Non Nuclear SCO			.093	.094	.112
Other INACTs		.073 R			
OPW:	Nuclear				
	NonNuclear	.307	.327	.327	.327
RATA:	Nuclear				
	NonNuclear	.063	.081	.098	.098
Table 1.2.d Total		1.614 R	1.631	1.730	1.602
Table 1.2.c Total		0	0	0	0
Annual Total		1.614 R	1.631	1.730	1.602

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

1. **Production Workload, continued**

Table 1.2.d: **Historic/Projected Work Package Performance**

EVENT		FY 1994	FY 1995	FY 1996	FY 1997
Non Nuclear ROH		.078	.574	.685	.614
Non Nuclear COH		.705	.001		
Non Nuclear DPMA					
Non Nuclear PMA					
Non Nuclear DSRA		.170	.549	.435	.451
Non Nuclear SRA		.218	.006	.091	
Non Nuclear SCO			.093	.094	.112
Other INACTs		.070			
OPW:	Nuclear				
	NonNuclear	.307	.327	.327	.327
RATA:	Nuclear				
	NonNuclear	.063	.081	.098	.098
Table 1.2.d Total		1.611	1.631	1.730	1.602
Table 1.2.c Total		0	0	0	0
Annual Total		1.611	1.631	1.730	1.602

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

1. Production Workload, continued

1.3 Emergent Repair. Identify the total Direct Labor Man Years (DLMYs) expended by your activity in providing emergent repair of operational ships. Breakout the annual totals by type of work performed, (not by propulsion system of the originating platform). [For this question, and this question only, nuclear work is to be construed as repair on the reactor plant, including its associated primary systems and those portions of secondary systems whose maintenance is under the technical cognizance of NAVSEA 08.]

Table 1.3: Emergent Repairs

Type of Work	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994 (01 Oct-31 Mar)
Nuclear						
Conventional	.185	.164	.147	.107	.077	.028
Total	.185	.164	.147	.107	.077	.028

1.4 Other Shipboard Work. List and describe any other nuclear and conventional ship work not reported in question 1.2 above.

None

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

2. Operating Factors

2.1 Special Equipment and Skills. Identify any specialized, unique, or peculiar characteristics about the facilities, equipment, or skills at this activity. Highlight those capabilities that are one of a kind within the DON/DoD.

(a) **Drydock #1 - other than Drydock #6 at Puget Sound Naval Shipyard, Drydock #1 at LBNSY** is the only dock on the west coast capable of docking CV/CVN's and is the designated west coast emergency drydock for CVN's. This drydock is the only drydock south of San Francisco capable of docking LHD's. Drydock 2 and 3 provide docking capability for every non-nuclear vessel in the USN inventory with the exception of aircraft carriers, large-deck amphibious assault and combat logistics support ships. All docks are certified.

(b) **Electric motor rewind repair and test facility** is one of a kind for testing 440VAC 3 phase 60 Hz induction motors that serve horizontal and vertical applications. The motors range in size from fractional to 350 horsepower. The facility includes five microprocessor based test consoles, a Hewlett-Packard 1000E central computer, four eddy current dynamometers for loading motors and a electrical distribution center for motors under test. In addition to the normal measurement parameters for electric motors (i.e. temperature, speed, voltage, current and torque), measurements are also made on phase winding resistance, friction and windage losses, and vibrational levels. Included is a specialized vacuum pressure impregnation capability for water proofing electric motors.

(c) **Generator/Motor-Generator set test facility** is the only known West Coast test facility to test motor-generator sets which provide 400 Hz power at ratings up to 300 KW. A 300 KW resistive-reactive load bank is used for absorbing power from the motor-generators sets in test. The facility also includes a 110 foot YFN type electrical test barge used in the load testing of shipboard generators up to 2500 KW and shore power stations with a rating of 450 VAC, 3 phase to 5000 amps with various power factors. The major equipment on the test barge are three 1500 KW, one 750 KW and one 300 KW resistive/reactive test units.

(d) **Diesel engine repair test and analyzer facility** is one of a kind, state of the art industrial diesel complex dedicated to depot level maintenance of diesel engines up to 2,000 HP and to diesel components (i.e. cylinder heads, turbochargers, fluid pumps, injectors, governors, etc.) Access to the diesel repair/test facility is supported by a 15-ton crane plus rail, road and water transportation. The diesel repair facility includes 2,664 square foot temperature controlled "Clean Room" repair space with two (2) 4,000 pound capacity overhead cranes. The unique diesel test/analyzer facility adjoins the Clean Room and provides: simultaneous testing of four (4) engines in separate soundproof test cells; computer-controlled data acquisition system with automated central test reporting; dynamometer testing of engines up to 2,000 horsepower; generic

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

testing hardware is independent of engine model; automatic failsafe system includes warning and shutdown by individual parameters; environmental control of engine emissions by means of a natural gas rooftop incinerator; and remote-control and monitoring of all four (4) test systems from a central, sound-proof control room. Test cells are currently being modified to permit testing of the Isotta Fraschini diesel engines which provide main and generator power for the MCM/MCH craft. Personnel have depot level maintenance, repair and testing skills for all applications of diesel equipment.

(e) **MK-86 and 92 Gun Fire Control System (Above Deck)** with special built **one of a kind** in-house test console, 561 & 562 Network Analyzers, various test fixtures. Depot level repair and testing expertise exist at LBNSY, which is the designated overhaul point for the above deck equipment.

(f) **Electronic Module Repair and Test Facility** capable of a full spectrum of electronic component repairs to a wide variety of electronic systems including the following:

(1) **SPS-55 Radar and Antenna Test Station** is **one of a kind** used to test and align all printed circuit cards, modules and sub-assemblies of the entire SPS-55 Surface Search Radar system and other. Depot level repair and testing expertise exist at LBNSY.

(2) **SPS-40 Radar and Antenna Test Station** is **one of a kind** used to test and align all sub-modules of the SPS-40 Air Search Radar. Depot level repair and testing expertise exist at LBNSY. LBNSY is the **only facility** capable of wind load analysis, repair and testing of the AB-1144/SPS-40B antenna pedestal.

(3) **Modular Oriented Automated Test System (MOATS)** is **one of a kind** with capability of repairing and testing all types of modules and printed circuit boards. Depot level repair and testing expertise exist at LBNSY.

(4) **UQN-1 and UQN-4 Fathometer** repair and test station is **one of a kind**, use in the overhaul, repair and test of the AN/UQN-1H, AN/UQN-4 and -4A, SM- 698/UQN, ID-1566/UQN-4, CV-2465/UQN-4 and DO-55 surface mount printed circuit boards. This work is not done at other facilities.

(5) **AN/SRC-23(V) Radio Frequency Tuner Repair and Test Facility** is **one of a kind** and the most advanced test fixture for the repair, analysis and overhaul of RF tuners. This facility has the flexibility to be utilized on other systems. This facility is **unique** to the Navy. Depot level repair and testing expertise exist at LBNSY.

(6) **AM-3790/SRC-23(V) Power Amplifier Repair and Test Facility** is **one of a kind** and

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

has advanced equipment for the overhaul and testing of AM-3790/SRC-23(V) Power Amplifier. It is the only DON repair facility of its type. Depot level repair and testing expertise exist at LBNSY.

(7) **Electronics repair center** capable of repair and test of electrical/electronic devices and printed circuit boards including multilayer and flexible circuit repair up to 18 layers thick. The Pace PRC-2000 Process Control System and the specialized 400 MHZ oscilloscope and computer controlled test equipment enhance this process.

(8) **High Frequency radio communication equipment** expertise to repair and test: AN/URT-24, AN/URT-23 and AN/URA-38 for transmitters and antenna couplers and R-1051 MF receivers.

(g) **Anechoic Chambers test facility** capability to electronically testing antennas in an interference-free environment

(h) **Optical and navigational instrument test and repair facility** is the only known DON facility which provides collimation and calibration of optical instruments and systems (i.e. stadimeters, sextants and theodolites) to within 2 arc seconds traceable to the National Bureau of Standards. The facility provides back engineering of lens systems, including grinding, polishing, coating, filter wavelength design, and testing for lenses and lens systems where replacement parts or technical data does not exist.

(i) **Gyro System Test Facility** is one of a kind with the largest Scorsby Test Stand (ships motion simulator) in the Naval repair system, capable of handing gyros and other equipment up to 10,000 pounds. It tests, repairs and overhauls the MK-19, MK-23 and MK-27 "Sperry" gyro compass systems with it's electronic controls and power supplies. The facility also tests, repairs and calibrates the newer WSN-2 and WSN-5 systems. A clean room to disassemble, clean and balance associated gyro parts is also available. This asset also gives us the ability to overhaul, test and calibrate the MK-19 Meridians and slave gyros. The facility is the designated overhaul point for the MK-19, MK-23 and MK-27 gyro compass systems.

(j) **Hydraulic transmissions, motors and cylinders repair and test facility** is one of a kind within DON/DOD/Industry capable of simultaneous testing two units in separate test cells. Special features include: computer controlled data acquisition system with automated central test reporting; dynamometer testing of transmissions up to 200 HP input, with variable drive speeds: testing to 5000 psi dynamic pressure: generic testing hardware that is independent of transmission model, and provides emulation of operational environment; specialized test fixtures; automatic failsafe system includes warning and shutdown by individual parameters; environment protecting built in fluid recovery system; graphical touch screen control of test systems and remote control

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

of test systems from soundproof room; interactive video disk system for training of test cell operators; and built in material handling system. Personnel have depot level maintenance, repair and testing skills for all applications of the equipment.

(k) **Dehydrator repair and test facility** capable of overhauling, refurbishing and performance testing both low pressure and high pressure dehydrators. It is the **only West Coast** dehydrator repair facility.

(l) **Air flasks test facility** for test and certification of air flasks using the displacement and expansion method. This is the **only west coast public-sector** facility.

(m) **Air compressor repair and test facility** has the **only West Coast Shipyard** compressor test cell. This facility includes the following unique features: automatic monitoring of 46 individual compressor parameters, with automatic warning when any parameter reaches a preset limit; automatic shutdown when any of the 46 parameters exceeds maximum compressor limits (does not require constant operator attention); testing of both LPAC and HPAC compressors, with testing of HPAC compressors up to 5000 PSI; extended break in running under selected, regulated back pressures; automatic computation (and verification) of CFM rating for compressor under test, and it simulates unloader test; operator modification of a test specification file permits adaptation of system to test any type of compressor in automatic (computer controlled) mode; test reports that can be printed out in several formats for a permanent record, and also stored in a hard disk drive for future use; test control and monitoring of all compressor pressures and temperatures can be done from video console in a soundproof, air conditioned room. The following new features were added in 1994: provision for testing (verification) of compressor mounted, over temperature and low oil pressure sensors with automatic shutdown and visual indicator lights: and provision for condensate drain build up monitoring, with automatic shutdown and visual indicator light. LBNSY has certified and trained compressor analyzer technicians.

(n) **Air conditioning and Refrigeration (AC&R) repair and test facility** has the **only West Coast Shipyard** AC&R compressor test cell. This facility has the following unique features: testing of compressors up to three hundred (300) tons; testing of both centrifugal and reciprocal compressors in either automatic or manual mode; computer monitoring of nine critical compressor parameters, with automatic warning and shutdown when any parameters exceed a preset limit; capability of performing volumetric, leak-back, and run-in tests; display of compressor diagram on color CRT screen that simplifies hook up and monitoring by operators; operator modification of a test specification file that permits easy adaptation of the computer program to allow new types of compressors to be tested automatically; test reports that can be printed out and stored on a hard disc drive for future use and evaluation; computer database program that allows for test results to be queried in various modes i.e by date, ship, compressor type, job order number, serial number; test control and monitoring of all control pressures and temperatures can be done from

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

video console in a sound proof, air conditioned room during testing; and a video tape instruction system for operator training. LBNSY has certified and trained AC&R technicians.

(o) **Automatic combustion controls and pneumatics facility** for overhaul, test, and calibrate of all pneumatic controls for: Main plant boilers; 400-1200 psi; waste heat boilers; auxiliary and main steam systems; air conditioning and refrigeration units; air compressors; and high pressure air manifolds and components to 7,000 lbs. LBNSY has certified and trained ACC technicians.

(p) **Nationally Recognized California Environmental laboratory certification** provides full service testing for processing and disposal of hazardous wastes and materials. Capable of complex chemical, metallurgical and physical property analyses using state-of-the-art gas chromatography, spectral analysis, scanning electron microscopy, and strain gage/hardness/tensile tests.

(q) **Winch repair and testing facility** is one of a kind within DON capable of repairing and testing portable and stationary weight handling equipment. It has specialized testing fixtures to accommodate spanwire, highline and inhaul/outhaul winches. It is capable of testing to a maximum static load of 39,000 psi and 500 feet per minute. Personnel have depot level repair and testing skills.

(r) **Electroslag surfacing (ESS) facility** has the only DON/DOD certified equipment to do electroslag propulsion shafting repairs using 625 Iconel. The special equipment used to support this process is the Electroslag welding head. This welding head is unique to DON/DOD. The qualified welders/operators that operates this equipment have highly specialized skills that are unique within DON/DOD. LBNSY is also the only shipyard that is certified to use this process for the following applications: Hawse Piping, Large Diameter Valves, Carrier Launch Rails, Missile Launch Tubes, Hatch Covers, and Corrosion Control of critical underwater bearing surfaces.

(s) **Closed loop steel shot abrasive blasters** are transportable and drivable; they comply with environmental regulations.

(t) **Pressure Fired Boiler repair and refurbishment facility (REFIT)** is the only DOD/DON facility that possesses the skills, personnel, and technical expertise to refurbish Pressure Fired Boiler Superheater Units for FF and FFG Class ships. This facility is also capable of training foreign nationals in Pressure fired boiler repairs.

(u) **Two Elwell Parker Platform Lifts** are unique hydraulic platform lifts capable of lifting 120,000 lbs. These lifts are designed so the platforms move laterally in addition to vertically. Shaft fixtures have dual posts which operate independent of each other. This allows one fixture

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

to position a shaft section for removal/installation vice two.

(v) **Mobile Hazardous Material Waste Spill Capability** is designed to respond to land and water spills. Hazardous material response team is California certified for level A entry. Rapid deployment capability for containment and pick-up of spills. Able to assist Coast Guard and other agencies with spill containment and cleanup. Equipment includes:

(1) **Hazardous material spill response van** equipped to support spill team for containment and clean-up of land based spills.

(2) **26' Skimmer boat** used to pick-up oil floating in the water. While able to operate alone the use of other boats with water pumps to direct oil towards skimmer has increased the efficiency of oil spill clean-up.

(3) **40' Trash boat** specially fitted to clean up solid waste debris from inland waters.

(w) **Certified Underwater welding and UT capability** is the only Naval Shipyard diving unit certified to perform underwater welding and Level II UT.

(x) **Certified Hyperbaric Chamber** is the only west coast Naval Shipyard with an on site hyperbaric chamber for treating diving and altitude bends cases. LBNSY provides pressure testing services for potential divers and pilots in Southern California.

(y) **Flexible Computer Integrated Manufacturing Center** is a Centralized programming/process planning facility (direct numerical control capable DNC) with state of the art equipment utilizing Integraph client server technology supported by machine language output processors, computer assisted process planning, and modular fixturing technology. Twenty six computer numerical control machine tools equipment with tool changes, modular tooling shop floor conversational programming, and graphical user interfaces. Manufacturing library contains over 1100 manufacturing work packages. Unique equipment includes:

(1) Horizontal CNC bar turning/milling center capability (3 axis)

- a) .125 to 1.250 dia. x 10.0" long
- b) 2.0" to 10.0" dia x 29" long

(2) Horizontal CNC turning/shafting (2 axis)

- a) 20" swing x 90" length
- b) 76" swing over bed x 83'11" long

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

- (3) Vertical CNC turning/boring (3 axis)

33" dia. x 47" long

- (4) Horizontal machining/drilling (4 axis)

12" cube size up to 48" cube size with face milling capability.

- (5) Vertical machining/drilling (4 axis)

4" cube size up to 36" cube size. (10' length on traveling column)

- (6) Computer coordinate measurement machine technology (50" cube size)

Inspection and reverse engineering

- (7) CNC vertical wire electrical discharge machine 300mm x 650mm table size.

- (8) CNC vertical die sink electrical discharge machine 12" x 16" x 48" table size. Both machine tools are used for die forming, gear cutting, tool and die manufacturing and irregular/unique part as well as one of a kind part manufacturing.

(z) **Industrial Waste Treatment Plant (IWTP) and Laboratory** is the largest facility for storage and treatment capacity in Southern California and is able to provide a comprehensive range of industrial waste water treatment technology and lab analysis. Heavy metals and chemicals removed include chromate waste, lead, copper, zinc, cadmium generated from the sandblasting and chrome plating processes. The IWTP incorporates state-of-the-art technology including the extensive use of electronic and microprocessor controls to monitor influent and effluent waste streams that meet the requirements of the receiver. Additional IWTP capabilities include boiler wash treatment, i.e. destruction of nitrites, CHT waterblast treatment and sewer treatment. Personnel assigned to the IWTP possess the ability to treat sewage for dissolved sulfides and maintain contractual oversight of same. The IWTP Laboratory and assigned personnel provide a comprehensive range of diagnostic lab support including dissolved sulfides, water hardness analysis, silica, chlorides, PH, conductivity, volatile organic compounds, heavy metals by AA and ICP, microwave digestion, oil/grease totals, nitrites, nitrates and hexavalent chrome in support of the waste treatment process. The treatment plant possess a holding capacity of 600,000 gallons with a discharge rate of 50 gallons per minute.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

(aa) **State Certified Asbestos Plan developers, inspectors, and abatement/removal personnel services** provide a cost effective resource due diminishing availability of contract resources meeting very stringent California environmental and CALOSH regulations. LBNSY has provided services to the Federal Prison at Boron and the Coast Guard.

(ab) **Battleship Regunning Facility** is the only facility to regun a battleship since 1954. The facility has custody of a complete set of 16" regunning gear, and developed the Industrial Process Instruction (No. 7111-601A), Regunning 16"/50 Caliber Guns. Also, six 16" gun barrels are in inventory.

(ac) **Cableway Training Facility** is the only West Coast activity providing mandatory shipboard electrical cableway installation technical training. The Cableway Training Facility provides training for public and private shipyards, vendors, Navy shipboard and land based intermediate level maintenance activities, Supervisor of Shipbuilding Quality Assurance personnel, and forces afloat. The facility uses a 25'x15' mock-up shipboard compartment to provide hands-on training in a classroom environment. This training and quality control program is in full compliance with NAVSEA instructions (NAVSEAINST 9304.1B), and has been consistently evaluated as outstanding by the NAVSEA Inspector General.

(ad) **Hardfacing of catapult valves** with the flux-cored arc welding (FCAW) process. This ability is **unique within DON/DOD**.

(ae) **Pump repair and test facility** with centralized functional overhaul work area featuring dedicated machine tools, grinding, balance support. Dedicated testing facilities for steam or motor driven pumps and purifiers, utilizing macro cell technology. Pump testing capacities to 5000 gallons per minute up to 400 amps and pump pressures to 2000 PSI. Steam generators rated at 30,000 pounds per hour, 1000 degrees superheated steam at 1550 PSI.

(af) **Propeller and shaft repair facility** is the only facility (on either coast) with state of the art computerized numerical control extended length shaft lathes. This dedicated facility (100'x200') utilizes macro cell technology while all other facilities utilize manual equipment. The building was designed for the sole purpose of accomplishing shaft, propeller and rudder repair. All remaining shipyards utilize space within their machine shops to do this type of work, which ties up their cranes that are also utilized for general lifting within the shop. This facility has a dedicated lifting dual crane system, bridge type, 50 and 100 ton capacity; dedicated welding and stress relief equipment; dedicated balancing machine with a capacity of 44 ton 100 RPM; dust control and ventilation system; and a dedicated rail car and track system for transportation and movement to paint/sandblast facility and to Non-destructive testing facility. LBNSY has certified and trained propeller repair technicians.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

(ag) **YD-171 386 Ton Floating Crane** is one of a kind with a level luffing cantilever boom capable of reaching the highest point on any ship. It has (2) 175 long ton, (2) 30 long ton, and (1) 10 long ton hooks. It has (3) 1200HP main engines, (1) auxiliary engine (lighting) and (2) air compressors. The barge is 204 feet long, 109 feet wide and has a draft of 17 feet. It can be re-configured to be self propelled. The crane is capable of reaching across entire width of LHA and LHD class ships, and beyond the centerline of flight decks on CV and CVN class ships.

(ah) **Main assembly bay** located in building 128 has a floor space measuring 95 feet wide by 400 feet long with 30 feet of overhead crane clearance. Rigging services are provided by two (2) overhead cranes that are equipped with dual hoists. The main hoist on each crane has a lifting capacity of 50,000 pounds and the auxiliary hoist has a 10,000 pound capacity. Additional lifting capability is provided by ten (10) fixed booms that are equipped with pneumatic winches and can lift 4,000 pounds each. The fixed booms have been strategically placed along the walls to provide maximum support for those areas where materials must often be repositioned during fabrication and assembly. Numerous utility hook-up stations are also located at strategic locations throughout the bay. A typical station has six (6) compressed air outlets, two (2) 440 volt receptacles, four (4) helium manifold outlets, and six (6) welding grids rated at 295 amperes each. This combination of equipment and services makes it possible to assemble extremely large work packages indoors. For example, when the USS Cook suffered severe bow damage from a collision with a much larger ship, the USS Mars, a new bow section was fabricated entirely in the main bay. When the new bow section was transported to the waterfront, it dwarfed the 24 wheel flat bed trailer that strained under its weight. Two portal cranes were needed to lift the bow and set it in place on the USS Cook.

(ai) **Large capacity computer numerically controlled CM-100 oxygen-acetylene and plasma arc burning machine** with an extra large 22 foot by 44 foot water table has the unusual capability of handling several full plates up to 6 inches thick. It has an overhead crane to facilitate handling of material. The cutting capacity is 6 inches of mild steel and 4 inches of aluminum. NC programming through Intergraph work station allows full nesting and part memory. The unit is tied to a shipyard wide LAN which allows access to lofting and engineering assist. The plasma torch is powered by a 1200 ampere power source. The fuel gas system controls 6 individual torches .

(aj) **Electroplating facility with Industrial Waste Treatment Plant (IWTP)** is the only known electroplating facility in Southern California complete with a waste treatment plant to process the industrial waste generated in the plating process. The facility is in complete environmental compliance as set forth by U.S. EPA Region IX, the Los Angeles Water District, the Long Beach Water District and the Southwest Air Quality Board. The plating facility was modernized in 1980 with the IWTP going into operation in 1992. The plating facility measures 60' x 60' with three separate tank lines (i.e. chromate, cyanide and miscellaneous). The modern IWTP is used

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

to process waste water and has a holding capacity of 600,000 gallons with a discharge rate of 50 gallons per minute.

(ak) **Automated Aluminum Welding** equipment and personnel are able to weld large aluminum structural members. This equipment includes a double sided fillet welding machine, self propelled tractors, and positioning equipment to handle large structures. Using ultra high purity helium we are able to produce x-ray quality weldments on aluminum. We have a large weather protected layout area which allows us to work year round on this difficult to weld material. This includes Jet Blast Deflectors, Armor Bulkheads, Portable Buildings and Fluid Holding Tanks.

(al) **375 Ton Injection Molding Press** is one of a kind in Naval Shipyards capable of drawing a two cubic foot plastic molded object (via injection mold process).

(am) **ESAB 55,000 psi Computer Numerically Controlled Hydro-cutting Machine** has the ability to cut intricate shapes with virtually no heat affected zone, and minimal distortion. It is able to cut ferrous and non-ferrous metals, plastics, rubber, Kevlar, glass and bi-metallic pieces up to 4' by 8' in size.

2.2 **Planning Yard Mission.** Identify the classes of ships (include one-of-a-kind) for which your activity serves as the planning yard.

Long Beach Naval Shipyard is the Planning Yard for the 51 ships of the FFG-7 class.

2.3 **Reactor Compartment Disposal.** Does your activity remove reactor compartments from inactive nuclear powered vessels?

No

2.4 **Non-Shipwork.** Identify the work, in total Direct Labor Man Years (DLMYs), performed by your activity during FY 1993 in support of other DON industrial facilities (e.g. Naval Aviation Depots (NADEPs), Aviation Intermediate Maintenance Departments (AIMDs), Marine Corps Logistics Bases (MCLBs), Shore Intermediate Maintenance Activities (SIMAs), Fleet and Industrial Support Centers (FISCs), etc.).

Non-Shipwork DON Industrial support = 112.5 DLMYs

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

2.5 Interservice Workload. Identify the productive work your activity provides to customers other than USN vessels (e.g. nonship work, such as repairables, calibration; non-DON vessels, such as MSC or USCG ships; work for other DoD elements, other agencies of the Federal government or the commercial sector). Specify any related specialized, unique or peculiar capabilities of your activity which support such workload. Highlight those areas where your activity is the only DOD/DON source for that workload.

Note: * Indicated only DOD/DON source for that workload.

Productive Work - Non-DON vessels

USCG		Installation of CIWS, Harpoon, MK 38 Gun System.
MSC	*	Designated Overhaul Point (DOP) for 4th Generation UNREP Winch System and Components, including one of a kind performance test facility.
SOC		Overhaul of Special Operations Command (SOC) Rigid Inflatable Boats (RIB) and patrol craft.
FML/FMS	*	Reactivation, Overhaul, and Modernization of ex-USN vessels for foreign Navies.
CBPAC		West Coast DOP for Side-loading Warping Tug and Causeway Service Life Extension Program (SLEP).
US Army		Overhaul, repair and modernization of U.S. Army vessels.

Productive Work - Repairables

USN	*	DOP for MK-86 GFCS (Above Deck) with unique repair fixture, test facilities, and range equipment.
USN	*	DOP for SPS-55 Radar and Antenna Arrays with unique test stations.
USN	*	DOP for UQN-1/UQN-4 Fathometer with unique test stations.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

USN * DOP for SPS-40 Radar and Antenna Arrays with unique sub-module test stations and wind load analysis.

USN * DOP for AN/SRC-23(v) R.F. Tuner and Power Amplifier with advanced test fixtures that can be used with other radio components.

USN * DOP for SPS-10 Radar and Antenna with test stations.

DOD * DOP for various printed circuit boards and electronic modules using Modular Oriented Automated Test System (MOATS) with unique automated testing.

DOD * DOP for four Diesel Engines with full computer operated dynamometer testing facilities.

DOD * DOP for Optical/Navigation Instrument of lenses/lense systems with reverse engineering and production capabilities.

USN * DOP for 4th Generation UNREP Winch System and Components with unique full performance testing facility.

DOD * DOP for Sealed Hydraulic Transmissions, Motors, and Cylinders with unique computer controlled dynamic testing facility.

USN * DOP for MK-19, MK-23, and MK-27 Gyro Compass. Clean room and the largest scors by Test Stand (Ship Motion Simulator)

USN * DOP for Propulsion Shafts, Rudder Posts, and Propellers with Electroslag Surfacing (ESS) Capability.

USMC Repair and test Motor/Diesel Driven Pumps and Air Compressors.

DOD DOP for repair and testing of over 5,000 DLA/SPCC Mechanical, Electrical, and Electronic Equipment and Components. Products can be tested in test stations or facilities listed above in 2.1.

DOD DOP for Cryptographic Equipment with test stations.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Productive Work - Manufacturing

USN * Jet Blast Deflectors.

USN * Jet Blast Deflector Cooling Modules.

USN * Catapult Butterfly Exhaust Valves.

USN RAS/FAS Wire Rope.

USN Hydraulic Manifolds. Design, prototyping, and manufacturing.

USN Test Missile Nose Cones.

USN Extended Length Hydraulic Lifting Cylinders.

USN Speciality Canvas Hose.

USN Ferrous and non-ferrous strainers.

Productive Work - Design and Engineering

USN * Expanded Planning Yard for FFG-7 Class Ships.

FML/FMS Planning Yard/Logistic Support for Brazil, Taiwan, Australia, and Spain.

FAA "Iron Bird" Project in cooperation with McDonnell-Douglas. (The FAA has contracted with McDonnell-Douglas to study the effects of terrorist explosions aboard commercial airlines and to determine mitigating design factors. "Iron Bird" is the design and construction of a reusable steel fuselage for explosive testing. LBNSY has been tasked in the project to assist in steel structural design and fabrication of the fuselage.)

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Table 2.5: Productive Work - Services

Customer	Hzrd Waste Note 1	Spill Rspn Note 2	Crane Svcs Note 3	Crane Trng	Brge Svcs Note 4	Divng Note 5	Ptrn mkng	Asbestos Note 6	Elect Spt	Tmp Svcs	Fcty Mant
DOD-Defense Fuel Depot	X	X	X		X				X		X
DOT-USCG	X	X	X	X	X			X		X	
DOD-Armed Force Res CTR	X										
DOD-DRMO	X		X	X							
USN-NAVWEPSTA Seal Beach	X	X	X	X	X				X		
USN-Family Housing	X		X					X	X		X
USN-SUPSHIP Long Beach	X	X									
Southwest Marine	X				X						
AL Larson Boat	X				X						
San Pedro Boat Works	X				X						
USN-CB Units	X										
USN-CB HQ Port Hueneme				X		X					
USN-FISC San Diego	X	X		X							X
USN-NAVSTA San Diego									X		

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Customer	Hzrd Waste Note 1	Spill Rspn Note 2	Crane Srvs Note 3	Crane Trng	Brge Srvs Note 4	Divng Note 5	Ptrn Mkng	Asbestos Note 6	Elect Sppt	Tmp Srvs	Fcty Mant
USN-NAVST A LB-MWR											X
USN-SIMA San Diego							X				
USN-SIMA LB	X		X	X	X		X				
USN-PWC San Diego			X						X		
USN-NAVST A Everett				X							
USN-COMN AVSUR FPAC							X				

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Customer	Hzrd Waste Note 1	Spill Rspn Note 2	Crane Srvs Note 3	Crane Trng	Brge Srvs Note 4	Divng Note 5	Ptrn Mkng	Asb-estos Note 6	Elect Sppt	Tmp Srvs	Fcty Mant
USN-Clemente Island						X					
Federal Bureau of Prisons								X			
City of Long Beach		X	X			X					
City of Los Angeles		X		X		X					
HITCO			X								

Note (1): Pick-up and California State Certified receipt handling and permitted storage, disposal and certified testing of hazardous waste at LBNSY hazardous waste storage facility and hazard waste chemistry laboratory.

Note (2): Mutual aid agreements for HAZMAT land and waterborne spill response.

Note (3): Provide certified crane (floating and mobile) and rigging services (only DON/DOD) local activity to load/offload submarine Bow Domes from HITCO plant, Ammunition at NAVWEPSTA, Seal Beach or anchorage and other miscellaneous items.

Note (4): Provide barge services for litterage, CHT, chemical, oil and fuel transfers.

Note (5): Diving and Hyperbaric chamber support.

Note (6): Conduct asbestos inspections and provide asbestos laboratory, abatement and removal services.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Features and Facilities

3. Facility Measures

3.1 Identify, by three digit Category Code Number (CCN), *all facilities* at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

NOTE: Table 3.1: Reflects data utilizing the 30 SEP 93 P-164, the shipyard FPD dated 14 April 94 and the NAVSTALBEACH FPD dated 8 OCT 92. The data reported in the tables supercedes the data reflected by the FPD's. (SEE NOTES:)

NOTE: Seventy-five percent of the deficiencies defining substandard conditions are related to changes in building codes to meet seismic standards. All of our facilities have withstood earthquakes of 6.9 magnitude with only superficial damage and pose no safety problem. All seismic-related deficiencies are programmed for resolution during FY95-97.

Table 3.1.: Facility Conditions (Long Beach Naval Shipyard)

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
123	Veh Fuel/Disp	9 OL	0	0	
131	Comms-Buildings	0.03 KSF	0	0	
131	Comms-Buildings *	0.86 KSF	3.2 KSF	0	B30, C05
134	Radar Facility	1 ea	0	0	
135	Comms Lines	25 mi	0	0	
135	Comms Lines *	16 mi	0	0	
137	Ship NAV & TR BLDG *	0.3 KSF	0	4.5 KSF	A30
141	Operation Bldgs	0 KSF	2.4 KSF	0	A30
143	Ship & Other Op Bldg	1.8 KSF	0	0	
151	Piers	6903 FB	0	0	NOTE 1
151	Piers *	3678 FB	0	0	

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
152	Wharfs *	2960 FB	0	0	
154	Quaywalls	4.6 KLF	3.4 KLF	0	A30
154	Quaywalls *	2.7 KLF	0	0	
155	Small craft berthing	720 FB	0	0	
159	Other Water Fr Op	0.1 KSF	2.7 KSF	0	A30 NOTE 2
171	Training Bldgs	7.2 KSF	16.8 KSF	0	E05,C45,A30 NOTE 3
179	WPN/RNG op Tower	1 ea	0	0	
213	Production Bldgs	122.4 KSF	1428.1 KSF	0	A30,C03,C45, E05 NOTE 4
213	Production Bldgs *	0 KSF	20.4 KSF	16.6 KSF	A30, C05, A10, C40
213	Drydocks	305.1 KSF	0	0	
214	Maint-Auto	9.0 KSF	44.6 KSF	0 KSF	A30,E05
217	Mnt-Elex/Coms	3 ea	0	0	
218	Cable Repair	1.7 KSF	0	0	
218	Maint-Misc *	0	0	1.9 KSF	A30, C05
219	PW Shops	27.9 KSF	65.3 KSF	0	A30,E05,E03 NOTE 5
219	PW Shops *	1.0 KSF	3.4 KSF	0	D30
317	Elec/Comm Lab	2.2 KSF	0.5 KSF	0	A30
441	General Storage	48.9 KSF	93.8 KSF	0	A30,C40,E05,C 30 NOTE 6
441	General Storage *	0	9.1 KSF	1.4 KSF	A30, D30, C05

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	39.1 KSF	248.5 KSF	0	A30,C03,E05,C45 NOTE 7
610	Admin Office *	66.9 KSF	29.0 KSF	23.8 KSF	C05, A30, A01, B30, A23, C40, A03
711	Family Housing *	1867.0 KSF	0	0	
714	Fam Hsg/Det Fac *	7.0 KSF	0	0	
721	UEPH *	243.7 KSF	172.2 KSF	0	A01, C05
722	UNAC PR-MES *	0	21.8 KSF	0	C05
723	UEPH-DET Fac *	0.3 KSF	0	0	
730	Community Facilities	0.3 KSF	0.3 KSF	0	
730	Community Facilities *	5.2 KSF	48.3 KSF	0	A30, D30,E05, B30, E03, C05
740	Credit Union/Restaurant	27.8 KSF	33.0 KSF	0	C45
740	Community Facilities - MWR *	198.5 KSF	47.1 KSF	16.9 KSF	A04, A30, E05, B26, D30, A26,C30, A27
750	Comm Fac-MWR *	52 ea	0	0	
812	Elec Tmsn/Distr	6.6 KSF	0	0	Also 798.9 KLF
812	Elec Tmsn/Distr *	4.6 KSF	0	0	Also 33.5 KLF
813	Elec Pwr Sub/SW	14.7 KSF	0	0	Also 140.5K KV
821	Heat Plant Bldg	16.9 KSF	0	0	Also 480 MB
822	Steams Lines	128.3 KLF	0	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
824	Gas Lines	48.3 KLF	0	0	
824	Gas Lines *	34.2 KLF	0	0	
831	Sewage Treatment & Disposal	19.1 KSF	0	0	Also 4600 KG
832	Sewage/Collection *	3.8 KSF	0	0	Also 195.2 KLF
841	Wtr-Sup/Tmt/Stc	0.2 KSF	0	0	Also 4320 KG
842	Wtr Distr *	0.9 KSF	0	0	Also 197.8 KLF
843	Water-fire protection	54.1 KLF	0	0	
844	Water Supply *	93 KG	0	0	
845	Water distribution nonpotable	24.3 KLF	0	0	
851	Roads	205.7 KSY	0	0	
851	Roads *	242 KSY	0	0	
852	Parking/sidewalks *	297 KSY	0	0	
852	Parking/sidewalks	359.3 KSY	0	0	
860	Railroad	6 mi	0	0	
871	Grounds drainage	46.9 KLF	0	0	
871	Grounds drainage *	172.6 KLF	0	0	
872	Fence *	85.7 KLF	0	0	
872	Fence	45.8 KLF	0	0	
880	Fire Alarm System *	58 BX	0	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
880	Fire Alarm System	43 BX	0	0	
890	Misc. Util.	30.2 KSF	0	0	Also 73.2 KLF
	Activity TOTAL:	9 OL	0 OL	0 OL	
	Activity TOTAL:	57 EA	0 EA	0 EA	
	Activity TOTAL:	47 MI	0 MI	0 MI	
	Activity TOTAL:	14261 FB	0 FB	0 FB	
	Activity TOTAL:	647.5 KLF	3.4 KLF	0 KLF	
	Activity TOTAL:	1104 KSY	0 KSY	0 KSY	
	Activity TOTAL:	101 BX	0 BX	0 BX	
	Activity TOTAL:	93 KG	0 KG	0 KG	
	Activity TOTAL:	3081.3 KSF	2290.5 KSF	65.1 KSF	

* Includes NAVSTA LONG BEACH and housing facilities to be transferred to LBNSY on 1 October 1994 as a result of BRAC-91.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

- NOTE 1: CCN 151 - Pier 3 deficiencies corrected resulting in 2444 FB upgraded from substandard to adequated.**
- NOTE 2: CCN 159 - Building 218 deficiencies corrected resulting in 2668 SF upgraded from inadequate to substandard.**
- NOTE 3: CCN 171 - Building 96 demolished and Building 100 deficiencies corrected resulting in 1680 SF eliminated and 7200 SF upgraded from substandard to adequate.**
- NOTE 4: CCN 213 - Reflects recently demolished buildings and various deficiency corrections resulting in upgrades to substandard and adequate status.**
- NOTE 5: CCN 219 - Building 154, 365 and 382 recently demolished resulting in 1000 SF eliminated.**
- NOTE 6: CCN 441 - Reflects recently demolished buildings and various deficiency corrections resulting in upgrades from substandard to adequate.**
- NOTE 7: CCN 610 - Reflects various deficiency corrections resulting in upgrades from substandard to adequate.**

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Note: Defense Printing Service Detachment Branch Office (UIC#: N68347)

Table 3.1.a: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
229	Printing Plant	15.8	0	0	
Activity TOTAL:		15.8 KSF	0	0	

Note: SUPSHIP Long Beach Detachment (UIC #: N65870)

Table 3.1.b: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	16.8	0	0	
Activity TOTAL:		16.8 KSF	0	0	

Note: Intra-Flt Supply Support San Diego, CA (UIC# N68439)

Table 3.1.c: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	0.8	0	0	
Activity TOTAL:		0.8 KSF	0	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Note: SWNAVFACENGCOC San Diego, CA (UIC# N68711)

Table 3.1.d: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	9.2	0	0	
Activity TOTAL:		9.2 KSF	0	0	

Note: Naval Criminal Investigative Service (NCIS DET) Long Beach (UIC# N32123)

Table 3.1.e: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	0	.8 KSF	0	A30
Activity TOTAL:		0	.8 KSF	0	

Note: Defense Finance and Accounting Service (DFAS) (UIC# S33181)

Table 3.1.f: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	1.2 KSF	0	0	
Activity TOTAL:		1.2 KSF	0	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Note: Branch Dental Clinic Long Beach (UIC# N62947)

Table 3.1.g: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
540	Dental Clinic	0	23.2 KSF	0	A05
Activity TOTAL:		0	23.2 KSF	0	

Note: Naval Medical Clinic Long Beach (UIC# N32539)

Table 3.1.h: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
550	Medical Clinic	57.8 KSF	0	0	
Activity TOTAL:		57.8 KSF	0	0	

Note: Shore Intermediate Maintenance Activities Detachment (SIMA DET) Long Beach (UIC# N68828)

Table 3.1.i: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
213	Production BLDG	0	11.5 KSF	0	A30, C45
Activity TOTAL:		0	11.5 KSF	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Note: Defense Commissary (UIC# N49200)

Table 3.1.j: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
740	Community Facility	50.9 KSF	0	0	
Activity TOTAL:		50.9 KSF	0	0	

Note: Navy & Marine Corps Reserve Center, Long Beach (UIC# N62102)

Table 3.1.k: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
171	Training BLDG	60.0 KSF	0	0	
211	Maint-Aircraft	0.2 KSF	0	0	
214	Maint-Auto	1.0 KSF	0	0	
441	General Storage	0.3 KSF	0	0	
852	Parking/Sidewalks	12 KSY	0	0	
Activity TOTAL:		61.5 KSF	0	0	
Activity TOTAL:		12 KSY	0	0	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Note: Naval Computer and Telecommunications Command (UIC# N35272)

Table 3.1.1: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
131	Comms-BLDG	0	7.3 KSF	0	B30, C05
Activity TOTAL:		0	7.3 KSF	0	

Note: Personnel Support Activity Detachment (PSD) Long Beach (UIC# N43142)

Table 3.1.m: Facility Conditions

CCN	Facility Type	Condition			Comments
		Adequate	Substandard	Inadequate	
610	Admin Office	13.9 KSF	0	0	
Activity TOTAL:		13.9 KSF	0	0	

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Deficiency Code Definitions:

Units of Measure Definitions:

A01 - Physical Condition - Heating System
A03 - Physical Condition - Environmental Control Systems
A04 - Physical Condition - Plumbing/Piping/Fixtures
A05 - Physical Condition - Fire Deterrent Systems
A10 - Physical Condition - Lighting/Fixtures
A23 - Physical Condition - Walls
A26 - Physical Condition - Building Interior/Configuration
A27 - Physical Condition - Roof
A30 - Physical Condition - Building or Structure (Total)
B26 - Functional or Space Criteria - Building Interior/Configuration
B30 - Functional or Space Criteria - Building or Structure (Total)
C03 - Design Criteria - Environmental Control Systems
C05 - Design Criteria - Fire Deterrent Systems
C30 - Design Criteria - Building or Structure (Total)
C40 - Design Criteria - OSHA Deficiency
C45 - Design Criteria - To comply with current seismic codes.
D30 - Location or Siting Criteria - Building or Structure (Total)
E03 - Non existent - Environmental Control Systems
E05 - Non existent - Fire Deterrent Systems

BX - Boxes
EA - Each
FB - Feet of Berthing
LF - Linear Feet
OL - Outlets
SY - Square Yards
KG - Thousands of Gallons
KV - Kilovolt Amperes
MB - Millions of BTU per hour
MI - Miles
SF - Square Feet

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

3. Facility Measures, continued

3.2 In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories in Table 3.1, above, where inadequate facilities are identified provide the following information:

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

None for LBNSY. All inadequate facilities are NAVSTA LONG BEACH facilities to be transferred to LBNSY on 1 October 1994 as a result of BRAC-91, and are available for demolition.

CCN 137

- a. Ship NAVIGATIONAL BLDG (BLDG 145 - Port Control Office)/CCN 137.
- b. General building physical condition; inadequate heating/ventilation system.
- c. Port service office will be vacated by 01 October 94.
- d. Unknown.
- e. Building is inadequate for any other use.
- f. Planned for demolition but unfunded.
- g. No.

CCN 213

- a. Production BLDGs (BLDGs 143, 144, 145 - Boat Shop)/CCN 213.
- b. General buildings physical condition; inadequate heating/ventilation system; no fire suppression system; expose wood frame.
- c. Port services boat shop will be vacated by 01 October 94.
- d. Unknown.
- e. Buildings are inadequate for any other uses.
- f. Planned for demolition but unfunded.
- g. No.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

CCN 218

- a. Maintenance - miscellaneous (BLDG 145 - Repair Shop Storage)/CCN 218.
- b. General building physical condition; inadequate heating/ventilation system; no fire suppression system.
- c. Port services repair shop storage will be vacated by 01 October 94.
- d. Unknown.
- e. Building is inadequate for any other use.
- f. Planned for demolition but unfunded.
- g. No.

CCN 441

- a. General storage (BLDG 145 - General Warehouse)/CCN 441.
- b. General building physical condition; inadequate heating/ventilation system; no fire suppression system.
- c. Port services repair shop storage will be vacated by 01 October 94.
- d. Unknown.
- e. Building is inadequate for any other use.
- f. Planned for demolition but unfunded.
- g. No.

CCN 610

- a. Administrative office (BLDGs 112, 113, 144, 145)/CCN 610.
- b. General building physical condition; inadequate heating/ventilation system; no fire suppression system; exposed frame; inadequate listing.
- c. Port service and PSD administrative offices will be vacated by 01 October 94.
- d. Unknown.
- e. Buildings are inadequate for any other uses.
- f. Planned for demolition but unfunded.
- g. No.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

CCN 740

- a. Community facilities - MWR (BLDG 45 - Theater)/CCN 740.
- b. General building physical condition; inadequate heating/ventilation system; insufficient listing; no fire suppression system.
- c. The base theater is currently vacant.
- d. Unknown.
- e. Building is inadequate for any other use.
- f. Planned for demolition but unfunded.
- g. No.

3.3 Identify any specialized major equipments or facilities (e.g. cranes, centrifuges, autoclaves, wind tunnels, interior and exterior aircraft storage areas) *not previously delineated*, which are unique or peculiar to your activity.

NONE

3.4 IPE Age. Identify the average age of Industrial Plant Equipment (IPE) at the activity as of 30 September 1994.

IPE Average Age = 17.08 Yrs.

3.5 AIS Backlog. Identify the Annual Inspection Summary (AIS) backlog at the activity in thousands of dollars (\$ K) and percent of total backlog, for the period requested.

Table 3.5: AIS Backlog (Long Beach Naval Shipyard only)

	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	Average
Backlog * (\$ K)	29,501	28,493	30,519	25,085	23,404	27,400
% Backlog Retired	52%	45%	37%	25%	35%	39%

NOTE: AIS backlog data for NAVSTA LONG BEACH facilities to be transferred to LBNSY on 1 October 1994 as a result of BRAC-91 was not available except for FY 93 which was \$6,551K.

* Total Critical and Deferable DBOF and O&MN Backlog.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Features and Facilities

4. Support Services

4.1 Identify the support (police, fire protection, etc.) now provided by the host Naval or Marine Corps activity or other source. Add any additional applicable factors. Identify what factors would be needed by your activity if the host facility is closed.

Table 4.1: Support Facilities

Support	Currently Obtained from:	Needed if Host Closes?
Police	Self-Support	N/A
Security	Self-Support	N/A
Fire *	NAVSTA Long Beach	YES
Cafeteria	Self-Support	N/A
Parking	Self-Support	N/A
Utilities	Self-Support	N/A
Child Care *	NAVSTA Long Beach	YES
HRO-NAVSEA	Self-Support	N/A
Hazardous Waste Processing	Self-Support	N/A
Port Services *	NAVSTA Long Beach	YES
Family Housing *	NAVSTA Long Beach	YES
Religious Ministries *	NAVSTA Long Beach	YES
Enlisted Dining *	NAVSTA Long Beach	YES
Bachelor Quarters *	NAVSTA Long Beach	YES
Morale, Welfare Recreation *	NAVSTA Long Beach	YES
Navy Exchange *	NAVSTA Long Beach	YES
Family Services *	NAVSTA Long Beach	YES

*Function will transfer to LBNSY upon NAVSTA closure effective 1 OCT 94 as a result of BRAC 91.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

4.2 If your activity is relocated, what new location(s) (for your activity) most efficiently provides adequate oversight of this support?

N/A

4.3 Other Support. Identify any services or support your activity provides to the community or to other DON/DoD activities. (Include only services to activities which employ 300 or more personnel.)

Customer	HWP	LAB	U&M	PC	VEH	OIL	MH	TRG	EAC	IE
USCG	X	X				X				
SURFPAC	X	X								
SOUTHWEST- NAVFACENCOM	X	X								
Naval Air Warfare Center PT MUGU WPN DIV	X	X								
Naval Marine Corp Reserve Center	X			X					X	
NAVWEPSTA S. Beach								X	X	X
AFRC, Los Alamitos									X	

HWP - Hazardous Waste Processing
 LA - Lab Analysis
 U&M - Utility and Maintenance
 PC - Pest Control
 VEH - Vehicle

OIL - Oil Spill
 MH - Material Handling
 TRG - Training
 EAC - Emergency Area Coordinator
 IE - Industrial Equipment

5. Waterfront Support Services

5.1 Identify the source(s) of your activity's tugs and pilots, barges, and other harbor services.

Tugs - contract with Crowley Towing and Transportation Co.

Pilots - Civil Service Pilots

Barges - Command Controlled

Other Harbor Services are self-provided

5.2 Does your activity provide tugs and pilots, barges, and other harbor services to other (non-NSYD/SRF) activities? **Yes.**

If so, please specify what services and to what activities.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

1. Provide tug, pilot, floating crane, barge and rigging services for loading and unloading ammo at Seal Beach Weapons Station and at ammo anchorages.
 2. Provide crane, rigging and transportation services for loading and off-loading HITCO submarine sonar domes.
 3. Provide convenience berthing, tug, pilot, rigging services and pier utility services for USN, USCG and MSC ships.
 4. Provide environmental cleanup services for Harbor Flotsam throughout Los Angeles Harbor.
 5. Provide Pollution Response Team for the Coast Guard, Seal Beach Weapons Station and other activities in the Southern California area upon request.
 6. Provide diving services and hyperbaric chamber services for activities in the Southern California area upon request.
 7. Schedule fuel and boiler feedwater deliveries for USN, USCG and MSC ships upon request.
 8. Provide permitted hazardous waste pickup, packaging, testing, storage and disposal services.
- 5.3 If the naval station, base, or other supporting activity in closest proximity is closed, identify all additional annual costs that would accrue to your activity for tugs and pilots, barges, or any other harbor services.

None

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Features and Facilities

6. Personnel Experience

6.1 What is the total number of apprentices trained at this activity over the period FY 1990 through FY 1994?

Total # of apprentices = 40

What percentage of those apprentices are still employed at your activity?

% = 70

How many apprentices are currently being trained at this activity?

Current # apprentices = 0

6.2 Using the following table, identify the average experience of personnel in the functional areas and their total longevity at your activity.

Table 6.2: Workforce Longevity and Experience

Functional Area	Years	
	Experience in this Position	Total Longevity
Nuclear Engineers	N/A	N/A
Conventional Engineers	13	13 R
Journeyman/Mechanics	8.7 R	13.4 R
RADCON Technicians	N/A	N/A
Quality Assurance Inspector	4.8	13.8
Total Shipyard	6.4	11.2

Data is based on DCPDS data of 18 May 1994

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Features and Facilities

6. Personnel Experience

6.1 What is the total number of apprentices trained at this activity over the period FY 1990 through FY 1994?

Total # of apprentices = 40

What percentage of those apprentices are still employed at your activity?

% = 70

How many apprentices are currently being trained at this activity?

Current # apprentices = 0

6.2 Using the following table, identify the average experience of personnel in the functional areas and their total longevity at your activity.

Table 6.2: Workforce Longevity and Experience

Functional Area	Years	
	Experience in this Position	Total Longevity
Nuclear Engineers	N/A	N/A
Conventional Engineers	13	13.3
Journeyman/Mechanics	8.4	13.9
RADCON Technicians	N/A	N/A
Quality Assurance Inspector	4.8	13.8
Total Shipyard	6.4	11.2

Data is based on DCPDS data of 18 May 1994

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Costs

7. Investments

7.1 List the project number, description, funding year, and value of the *capital improvements at your base completed (beneficial occupancy) during FY 1988 to FY 1994*. Indicate if the capital improvement is a result of BRAC realignments or closures.

Table 7.1: Capital Improvement Expenditure

Project	Description	Fund Year	Value (\$K)
P-183	Electronic Sys. Evaluation Facility	87	1,100
P-082	Medical Clinic *	87	6,000
P-171	BEQ *	87	9,000
P-173	BEQ *	87	5,000
P-176	Bowling Alley Expansion *	88	1,600
955	B303 HVAC	88	7
C1-87	Landscape Community Center *	88	182
C1-89	Construct Maintenance Facility *	89	125
C5-89	Construct Marine Rigging Shop *	89	185
C7-89	Construct Bowling Center Parking Lot *	89	70
CR4-89	Alterations/Repairs to Community Center *	89	185
1022	B303 Install Utilities	89	24
1029	Saltwater Pit #7 Crane Install	89	9
1033	Sewer Alts	89	176
1041	HAZ Waste Stage Facility	89	188
1042	DD1 Waste Pipe Line	89	91
C21-90	Modification/Extension to Fire Station *	90	106
1039	Install SESEF Security Alarm System	90	22

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Project	Description	Fund Year	Value (\$K)
1043	B150 Steam Valve Access	90	10
1045	WHSE A Phone Cable Conduit	90	11
1050	B129 Code 130 Office Construct	90	68
1053	Install Sampling Facility	90	14
1054	B108 Install Ventilation	90	16
1061	Gas Station Fuel Spill Containment	91	91
1067	HAZ Waste Staging Facil (Shop 51)	91	56
1068	HAZ Waste Staging Facil (Shop 02)	91	14
1069	B108 Filter Press ALTs	91	121
1046	B302 Oil Install	92	47
1055	Oil Lab Improvement	92	28
P-235	Asbestos Removal Shop	92	315
1052	Shore Power Upgrade	93	179
1071	Drydock 2 Shore Power Upgrade	93	85
1083	Waste H2O OW/WO (CONT)	94	102
1074	HAZ Waste Staging Facility X03/07	94	110
1095	B132 Shop 38 Consolidation	94	132
45018	DRMO Relocation (BRAC) *	94	293

Note: No capital improvements at LBNSY as a result of BRAC Realignment or closures.

*** NAVSTA LONG BEACH Projects.**

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

7.2. List the project number, description, funding year, and value of the *non-BRAC related capital improvements planned* for years FY 1995 through FY 1997.

Table 7.2: Planned Capital improvements

Project	Description	Fund Year	Value (\$K)
1092	B113 Coord Ctr	95	110
	Minor Const Projects	95	190
C01-91	Metering Base Usage Elec Demand	96	283
	Minor Const Projects	96	750
RC01-94	DD1 Dewatering Pumps Alts	97	291
	Minor Const Projects	97	500

7.3 List the project number, description, funding year, and value of the *BRAC related capital improvements planned* for FY 1995 through FY 1999.

Table 7.3: Planned BRAC Capital improvements

Project	Description	Fund Year	Value
None			N/A

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

7. Investment, continued

7.4 Identify by Investment Category Code and Name (e.g. 05-Training Facilities; 14-Administration) the actual investment at your activity, to include all MCON, maintenance and repair, installed equipment, and minor construction, in thousands of dollars (\$ K) over the period FY 1990 through FY 1994 for all your facilities. Report separately all other Class 2 equipment investments. The following table should include your responses to questions 7.1-7.3 above.

Table 7.4: Historic Investment Summary

Investment Category	\$ K
IC-02 Communication Facility	446
IC-03 Waterfront Oper Facility	806
IC-04 Other Oper Facility	3,007
IC-07 Shipyard Maint Prod	8,364
IC-08 Other Maint Prod	7,751
IC-17 Utilities	37,940
IC-18 Real Estate/Grounds	2,496
IC-20 Other	9,492
Other (NAVSTA LONG BEACH) *	17,514
Equipment (other than Class 2)	10,264
Activity TOTAL	98,080

* Includes NAVSTA LONG BEACH facilities to be transferred to LBNSY on 1 October 1994 as a result of BRAC-91.

7.5 What is the total planned investment, in thousands of dollars (\$ K), over the period FY 1995 through FY 2001?

Total planned Investments = \$ 120,844 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

7. Investments, continued

7.6 Provide a list of all other documented major facility deficiencies not addressed in 7.1-7.3 (e.g. major repairs) and the estimated cost to rectify each at this activity. Identify the reduction in operating costs anticipated in relation to each deficiency correction.

NOTE: The seismic upgrade projects are related to changes in building codes to meet current seismic standards. All of our facilities have withstood earthquakes of 6.9 magnitude with only superficial damage and pose no safety problem.

Table 7.6: Facility Deficiencies

Deficiency	Cost to Correct (\$ K)	Result of Corrections	FY Savings
R46-91 B300 Seismic Upgrade	1414	Compliance with latest seismic criteria.	95 - N/A
R47-91 B210 Seismic Upgrade	2940	Compliance with latest seismic criteria.	96 - N/A
R49-91 B129A Seismic Upgrade	1090	Compliance with latest seismic criteria.	96 - N/A

Note: The above projects are included in para 7.5.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Costs

8. Labor Rates

8.1 Provide the following actual rates per hour, less direct materials, for your activity for the period requested. Reproduce the table as necessary to report different rate structures for different functional areas, specifying the functional areas represented in each table.

Table 8.1: Labor Rates

Functional Area: Ship Repairs

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	24.77	25.01
Production Expense	15.89	18.92
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	56.96	67.38

* FY 94 actuals are as of March

Table 8.1: Labor Rates

Functional Area: ALT'S

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	23.60	24.90
Production Expense	15.24	13.20
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	55.14	61.56

* FY 94 actuals are as of March

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Table 8.1: Labor Rates

Functional Area: Inactivation

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	23.26	22.34
Production Expense	6.78	18.83
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	46.35	64.62

* FY 94 actuals are as of March

Table 8.1: Labor Rates

Functional Area: RA/TA

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	23.74	24.82
Production Expense	15.31	16.78
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	55.35	65.05

* FY 94 actuals are as of March

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Table 8.1: Labor Rates

Functional Area: REFIT

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	22.63	23.28
Production Expense	16.98	9.23
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	55.92	55.96

* FY 94 actuals are as of March

Table 8.1: Labor Rates

Functional Area: OPW

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	24.21	23.05
Production Expense	12.35	10.25
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	52.86	56.75

* FY 94 actuals are as of March

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Table 8.1: Labor Rates

Functional Area: Planning Yard

	Rate (\$/Hour)	
	FY 1993	FY 1994*
Direct Labor Rate	29.32	30.18
Production Expense	19.49	11.69
Overhead (G&A)	16.30	23.45
Fully Burdened Rate	65.11	65.33

Revised pg

UIC: N60258

**DATA CALL for MILITARY VALUE
Naval Shipyards and Ship Repair Facility
Amendment One**

Questions for the ActivitiesPrimary Activity UIC: N60258

(Use this number as the Activity identification at the top of each page.)

Costs**8. Labor Rates**

8.2 Provide the following actual rates per hour, less direct materials, for your activity for FY 1997. Reproduce the table as necessary to report different rate structures for different functional areas, specifying the functional areas represented in each table.

Table 8.2: Labor RatesFunctional Area: Ship Repairs

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	28.54
Production Expense	23.32
Overhead (G&A)	25.24
Fully Burdened Rate	77.10

Table 8.2: Labor RatesFunctional Area: ALTs

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	28.55
Production Expense	23.17
Overhead (G&A)	25.24
Fully Burdened Rate	76.96

Revised fg

UIC: N60258

Table 8.2: Labor Rates

Functional Area: Inactivation

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	25.96
Production Expense	19.97
Overhead (G&A)	25.24
Fully Burdened Rate	71.17

Table 8.2: Labor Rates

Functional Area: RA/TA

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	27.69
Production Expense	19.09
Overhead (G&A)	25.24
Fully Burdened Rate	72.02

Table 8.2: Labor Rates

Functional Area: REFIT

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	26.69
Production Expense	5.75
Overhead (G&A)	25.24
Fully Burdened Rate	57.68

Revised pg

UIC: N60258

Table 8.2: Labor Rates

Functional Area: OPW

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	26.43
Production Expense	6.94
Overhead (G&A)	25.24
Fully Burdened Rate	58.61

Table 8.2: Labor Rates

Functional Area: Planning Yard

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	34.60
Production Expense	17.75
Overhead (G&A)	25.24
Fully Burdened Rate	77.59

Table 8.2: Labor Rates

Functional Area: Shipyard

	Rate (\$/Hour)
	FY 1997
Direct Labor Rate	28.13
Production Expense	16.05
Overhead (G&A)	25.24
Fully Burdened Rate	69.42

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Strategic Concerns

9. Location Factors

9.1 Strategic Location. Specify any special strategic importance or military value consideration of your activity accruing from its geographical location. Include the number of major customer activities located within a 100 mile radius.

Long Beach Naval Shipyard is strategically located in the center of the world's third largest port, (Los Angeles/Long Beach) complex.

- The shipyard is located 81 nautical miles from San Diego, the largest concentration of fleet assets on the West Coast.
- Drydock #1 is the only dock, south of Puget Sound Naval Shipyard, capable of docking CV/CVN's. Drydock #2 and #3 are capable of docking most non-nuclear vessels in the USN inventory.
- The shipyard provides easy, deep water access to the Pacific Ocean. Ships leaving the shipyard have a 10-15 minute sea detail, the shortest of any West Coast port. Maintenance dredging is not required.
- The shipyard is centered in the San Diego Regional Maintenance area, thereby providing rapid mobility for material and personnel to be moved within the region.
- The Defense Fuel Supply pier and tank farm provide handling and storage for 60% of DOD Jet Fuel used in the Pacific.
- The shipyard is located 50 miles from USMC Camp Pendleton, the port would be a major mount out and mobilization outpost.
- The shipyard is located 10 miles from NAVWEPSTA Seal Beach, provides easy ammunition on/off load capabilities.
- The shipyard is located at the intermodal connection of major east/west and north/south rail, truck, air and water transportation routes.
- Drydock #1 is the largest dry dock south of Portland, OR, capable of handling large commercial tankers and containerships.
- The LA/LB port complex is expected to become the largest port in the world by the year 2010.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

- The LA/LB ports handle 70% of the West Coast's refined petroleum output.
- The LA/LB Basin provides a major resource pool for skilled workers. Additionally, the industrial base provides ready access to most materials and components necessary for ship repair.

The shipyard is centrally located in Southern California with the following major bases and activities located within 100 miles: San Diego homeported ships and activities at NAVSTA San Diego (32nd Street), Point Loma, and North Island; NADEP North Island; NAF Imperial Beach; NAVSUBASE Point Loma; NAS Miramar; FISC San Diego; DLA San Diego; NAVWEPSTA Corona; NAVWEPSTA Fallbrook; NAB Coronado; NAS North Island; Camp Pendleton; MCAS Tustin; MCAS El Toro; NAVWEPSTA Seal Beach; March AFB; MCLD Barstow; Edwards AFB; George AFB; and Port Hueneme.

Within 150 miles are also located Vandenberg AFB; Fort Irwin National Training Center; MCAS 29 Palms; NAVWEPSTA China Lake; NAS El Centro.

9.2 Transportation. List and indicate the distance in road-miles from your activity all Interstate Highways, airports of embarkation, seaports of embarkation, and cargo rail terminals serving your activity.

- Distance from LBNSY to Interstate Hwy 710 is 1.5 miles.
- Distance from LBNSY to Interstate Hwy 110 is 2.2 miles.
- Distance from LBNSY to Interstate Hwy 405 is 6.0 miles.
- Distance from LBNSY to L.B. Municipal Airport is 9.5 miles.
- Distance from LBNSY to L.A. Int'l Airport is 22 miles.
- Distance from LBNSY to Port of L.A. seaport of embarcation is 2.2 miles.
- Distance from LBNSY to cargo rail of embarcation is located inside the Terminal Island Naval Complex.

9.3 Rail Network. Is your activity serviced by rail trackage providing direct access to commercial rail network?
Yes.

If not, identify the road miles separating your facility from the nearest railhead access.
Distance = N/A Miles

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

9.4 Regional Maintenance Concept. Has your activity been chosen to be a part of the Navy's Regional Maintenance Concept? If so, provide the details as currently known, and list other DON industrial activities (both intermediate and depot level) that are located within a 25 mile range of your activity.

Long Beach Naval Shipyard is part of the San Diego Maintenance Region, as defined by CINCPACFLT msg 270906z May 94. This message only provides geographical regions and tasks COMNAVSURFPAC as lead TYCOM. A RM QMB will be established to develop plans for implementation and management of the RM concept.

Shipyards are not in a position to respond to this item because a definitive shipyard role has not yet been identified. Naval Shipyards are a center point of the Regional Maintenance concept. However, no change in naval shipyards workload has been identified based on the Regional Maintenance concept. The concept has been approved in phases; phase 1 is primarily Intermediate level consolidations.

Included in the San Diego RMC are LBNSY; NADEP North Island; SIMA's at San Diego and Long Beach; AIMD's at NAS's Miramar, North Island, El Toro, Tustin, Fallon, and Lemoore; NAB Coronado (O & R Department); NAVWEPSTA Seal Beach; and PWC's at various bases. Within a 25 mile range of LBNSY are SIMA Long Beach, FISC San Deigo Det. Long Beach and NAVWEPSTA Seal Beach.

Strategic Concerns

10.Natural Inhibitors to Operations

10.1Identify the percent of the planned work schedule at this facility (averaged by month) that was interrupted by local weather or climatic conditions for the period FY 1990-1993 (i.e. what percent of man-days were lost annually, by month, because of hurricanes, tornado, earthquake, blizzard, below freezing temperatures, or other performance-impinging natural conditions?). None

Table 10.1.a: Impact on Operations (%)

	January	February	March	April	May	June
Average % Schedule Interrupted	0	0	0	0	0	0

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Table 10.1.b: Impact on Operations (%)

	July	August	September	October	November	December
Average % Schedule Interrupted	0	0	0	0	0	0

10.2 Identify the total number of Direct Labor Man Years (DLMYs) of planned work lost at your facility due to hurricanes, tornadoes, earthquakes, blizzards, below freezing temperatures, or other performance-impinging natural conditions. **None**

Table 10.2: Impact on Operations (DLMYs)

	FY 1991	FY 1992	FY 1993	FY 1994 (01 Oct-31 Mar)
DLMYs Lost	0	0	0	0

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Strategic Concerns

11. Contingency and Mobilization Features

11.1 Identify the covered and uncovered, storage and industrial space at your activity which is currently surplus to the planned need (your current requirement), expressed in thousands of square feet (K SF).

Table 11.1: Surplus Storage (Long Beach Naval Shipyard)

K SF	Covered	Uncovered
Storage	1.66	0
Industrial	1.25	0.73

Table 11.1.a: Surplus Storage (Naval Station, Long Beach) *

K SF	Covered	Uncovered
Storage	23.5	0
Industrial	1.6	0

* Includes NAVSTA LONG BEACH facilities to be transferred to LBNSY on 1 October 1994 as a result of BRAC-91.

11.2 Identify any additional space in these categories programmed to be available by FY 2001.

None

11.3 Identify the amount of the potentially available other DoD or commercial activity, industrial, space within a one-hour drive of your activity. Include any physical restrictions (e.g. road limitations) that might apply should those facilities be used for facility augmentation or in an emergency.

We are located in a metropolitan area with an immeasurable amount of industrial warehouse space.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Environment and Encroachment

12. Environmental Considerations

12.1 Identify all environmental restrictions to expansion at your activity.

None

12.2 Describe the undeveloped acreage or waterfront that are available to this activity, including its size, current state, and the amount of development required to make it usable to the industrial facility. Specify any undeveloped acreage that is unique to this activity.

None

12.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials/wastes at this activity.

Nationally recognized California Environmental Laboratory certification for testing of drinking water, hazardous wastes, inorganic chemistry of toxic elements, and industrial wastewater.

Fuels and Petroleum Laboratory Physical testing of new and used petroleum products including spectrographic wear metal analysis.

Fiber Analysis Laboratory Analysis and identification of all natural and man made vitreous fibers.

Transfer Storage and Disposal Facility (TSDF). A fully permitted storage facility for hazardous waste consisting of 8400 square feet and ten storage bays, including PCB and reactive chemical storage. Capacity is 664 55-gallon drums (36,520 gallons).

Industrial Waste Water Treatment Plant (IWTP). Facility is permitted to remove heavy metals from industrial waste water. Storage capacity is 887,500 gallons with a permitted discharge rate of 600,000 gallons per month.

Less than 90 Day Storage Facilities. Eleven RCRA-compliant less than 90 day storage facilities are strategically located throughout the shipyard. These facilities are used to store hazardous waste in 55-gallon (or smaller) drums prior to transfer to the TSDF.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Less than 60 Day Tank Farm. The tank farm storage area is used for the storage of large portable tanks which collect hazardous waste.

Less than 180 Day Battery Storage Area. This area is used to store spent batteries prior to disposal or recycling.

Milcon P-224 Proposed FY-97 project to provide a central facility for containment and control of hazardous and flammable materials for use within the production shops.

Asbestos Facility. Less than 90 day storage facility supported with personnel trained in the identification, removal, segregating and disposal of asbestos containing material (ACM).

Environmental Response Van fully equipped and staffed by trained personnel capable of responding to a Level "A" emergency response.

U.S.C.G. Trailers. Four forty-foot self contained fully equipped trailers with containment and recovery equipment to provide immediate response to oil spills in the harbor.

Water/Trash Skimmer Harbor Trash Collection Boat (HTCB) is designed to harvest trash and debris from the water, separate out the water, and on-load the trash and debris into portable containers for disposal.

Oil Skimmer. The self propelled Dynamic Inclined Oil Skimmer is designed to harvest oil and sorbents from the surface of the water, pump the harvested products into on-board storage tanks for collection and disposal.

Oil/Water Separator Facility. This facility is used to recycle waste fuel from ships for resale and use in diesel driven equipment at LBNSY.

Hazardous Material Management Program: Hazardous Materials (HM) at Long Beach Naval Shipyard (LBNSY) are managed and controlled in accordance with OPNAVINST 4110.2 and NAVSHIPYDLBEACHINST 4110.1. In order to comply with EPCRA requirements and in attempt to establish a consistent method shipyard-wide for tracking HM, Code 106 developed a record logbook for tracking HM quantities. This was meant to assist shop personnel in tracking inventory and usage amounts of HM. This initiative was also meant to establish controls to assist in minimizing the amounts of HM that are purchased and used within our facility.

Toxic Release Inventory Control Program: A positive control system (receipt control, log in/log out, use records) combined with individual employee accountability (badge number recording) has resulted in a clearer picture of hazardous material flow and used in the shipyard. To maintain an accurate for the shipyard, shop personnel were instructed on how to maintain accurate and consistent inventory records. This information is collected by shop and is use for submission of Toxic Release Inventory (TRI) reports.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Hazardous Waste Management: LBNSY has a unique EPA generator I.D. number. We generate in excess of 36,000 tons of hazardous waste (hw) each year. Our formal hazardous waste management program deals with listed and regulated wastes, the majority of the waste is wastewater with oils and/or metals coming from ships. The shipyard maintains two large hw permitted facilities. One is a Transfer, Storage and Disposal Facility which can store hw for up to one year on site. The other is a Industrial Wastewater Treatment Plant capable of treating wastewaters with metals. We have thirteen less than 90 day storage areas and over 150 satellite accumulation points. Over 200 employees have been fully trained as hw handlers and coordinators.

Underground Storage Tank (UST) Program: The Underground Storage Tank Program is managed and controlled in accordance with California Code of Regulations Title 23 and Health and Safety Code Division 20. The LIA (Local Implementing Agency) is the Long Beach Fire Department. Twenty non-compliant USTs have been removed. The tank removal design has been completed for four tanks deleted from the original removal contract. All remaining active tanks are programmed for removal or replacement with either above ground tanks or double walled tanks. All active tanks are monitored in accordance with the approved monitoring plan and are integrity tested annually.

Polychlorinated bi-phenols (PCB) Program: Our formal PCB management program is managed, controlled and addresses all PCB containing materials and equipments. A major facility-wide electrical systems upgrade will result in the complete removal and disposal of utilities/electrical components containing PCB materials. In addition, shipboard gasket materials and equipments which may contain PCB's are rapidly analyzed at LBNSY's state of California certified environmental laboratory down to the lowest detection levels equipped for treatment disposal.

13. Encroachment Considerations

13.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, ESQD, HERO, airspace or other encroachments of record at your activity. None

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Table 13.1: Encroachments of Record

Encroachments	Date Recorded	Current Status
None		

Customer Support

14. Customer Support

14.1 Homeport Proximity. Identify the distance, by road-miles and by water, to the two closest fleet homeport concentrations.

Table 14.1: Homeport Proximity

Homeport	Distance	
	Road (Miles)	Water (NM)
San Diego to Long Beach	110	81
Everett, Wash to Long Beach	1185	1135

Note: NAVSTA Long Beach and NAVSTA San Fran were excluded from this table based on closure action as a result of BRAC 91-93.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

14.2 Billeting. Identify the billeting support provided to the crews of ships undergoing work at your activity. Provide the total number of individuals within each category for the period requested.

Table 14.2: Billeting Support

	FY 1991	FY 1992	FY 1993	FY 1994 (01 Oct-31 Mar)
Berthed on Barges	2628	3302	3103	0
Retained onboard own vessel	496	0	1734	1368
Billeted ashore (Homeport/own quarters)	111	275	786	327
Billeted ashore (BQs maintained by your activity) See note #3	865	821	703	1185
Total	4100	4398	6326	2880

Quality of Life

15. **Military Housing - Family Housing - Note: LBNSY currently receives housing support from NAVSTA Long Beach. LBNSY will assume operation/maintenance responsibility effective 10/1/94 as a result of NAVSTA closure due to BRAC-91.**

15.1 Do you have mandatory assignment to on-base housing? No.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

15.2 For military family housing in your locale, provide the following information:

Table 15.2: Available Military Family Housing

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	48	48		
Officer	3	50	50		
Officer	2	4	4		
Enlisted	4+	104	104		
Enlisted	3	291	291		
Enlisted	1 or 2	536	536		
Mobile Homes		0			
Mobile Home lots		0			

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

15. Military Housing - Family Housing, continued

15.4 Complete the following table for the military housing waiting list. Report Number on list as of 31 March 1994.

Table 15.4: Military Housing Waiting List

Pay Grade	Number of Bedrooms	Number on List*	Average Wait
0-6 **	1	N/A	
	2	N/A	
	3	N/A	
	4+	1	0-1 Mo.
0-4/5	1	N/A	
	2	N/A	
	3	3	2-3 Mo.
	4+	2	2-3 Mo.
0-1/2/3/CWO	1	N/A	
	2	4	1-2 Mo.
	3	2	1-2 Mo.
	4+	0	2-3 Mo.
E7-E9	1	N/A	
	2	N/A	
	3	17	0-1 Mo.
	4+	10	2-4 Mo.
E1-E6	1	N/A	
	2	18	0-1 Mo.
	3	17	0-1 Mo.
	4+	15	2-4 Mo.

* N/A = no units of that bedroom size or rank eligible for larger unit

** 06 is assigned 4 bedroom or larger because of rank

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

15. Military Housing - Family Housing, continued

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

Table 15.5: Housing Demand Factors

Top Five Factors Driving the Demand for Base Housing	
1	Proximity to Naval Activity
2	High cost of civilian housing (rent)
3	Lack of civilian housing near Naval Activity
4	Higher security in military housing
5	No additional fee for utilities in military housing

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

100 R %

15.7 Provide the utilization rate for family housing for FY 1993. Overall: 91%

Table 15.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	94%
Substandard	78%
Inadequate	N/A

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

966 units closed with 140 additionally scheduled to close before end of FY 94 as a part of BRAC 91 NAVSTA closure. Occupancy rate is deliberately low to allow for closure of additional units. After all scheduled units are closed and the occupants are relocated, the remaining unit occupancy is expected to exceed 99%.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

15. Military Housing - Family Housing, continued

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

Table 15.5: Housing Demand Factors

Top Five Factors Driving the Demand for Base Housing	
1	Proximity to Naval Activity
2	High cost of civilian housing (rent)
3	Lack of civilian housing near Naval Activity
4	Higher security in military housing
5	No additional fee for utilities in military housing

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

15.6 %

15.7 Provide the utilization rate for family housing for FY 1993. Overall: 91%

Table 15.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	94%
Substandard	78%
Inadequate	N/A

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

966 units closed with 140 additionally scheduled to close before end of FY 94 as a part of BRAC 91 NAVSTA closure. Occupancy rate is deliberately low to allow for closure of additional units. After all scheduled units are closed and the occupants are relocated, the remaining unit occupancy is expected to exceed 99%.

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Quality of Life

16. Military Housing -- Bachelor Quarters - Note: LBNSY currently receives housing support from NAVSTA Long Beach. LBNSY will assume operation/maintenance responsibility effective 10/1/94 as a result of NAVSTA closure due to BRAC-91.

16.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 16.1: BEQ Utilization

Type of Quarters	Utilization Rate
Adequate	67 R%
Substandard	0
Inadequate	0

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

Yes. Increase in occupancy due to the change in policy regarding utilization of berthing barges.

Overall occupancy rate is 80%. Reason for vacancy rate greater than 5% is decrease in the requirement for transient berthing due to closure of surrounding activities.

16.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

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

$$AOB = \underline{\quad 811 \text{ R} \quad}$$

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

Quality of Life

16. **Military Housing - Bachelor Quarters - Note: LBNSY currently receives housing support from NAVSTA Long Beach. LBNSY will assume operation/maintenance responsibility effective 10/1/94 as a result of NAVSTA closure due to BRAC-91.**

16.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 16.1: BEQ Utilization

Type of Quarters	Utilization Rate
Adequate	66%
Substandard	0
Inadequate	0

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

Yes. Increase in occupancy due to the change in policy regarding utilization of berthing barges.

Overall occupancy rate is 80%. Reason for vacancy rate greater than 5% is decrease in the requirement for transient berthing due to closure of surrounding activities.

16.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

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

$$\text{AOB} = \underline{\quad 104 \quad}$$

f

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

16.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 16.4: Reasons for Geographic Separation (BEQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	55 R	73.3 R	(1), (2) R
Spouse Employment (non-military)	1 R	1.3 R	(3) R
Other	19 R	25.3 R	(4), (5), (6), (7), (8), (9) R
TOTAL	75 R	100 %	

- (1) Family resides in another city/county/state. 36 R
- (2) Family Decision 19 R
- (3) Spouse attending school in another area. 1 R
- (4) Retiring, residence out of area. 3 R
- (5) Personal Convenience 7 R
- (6) Command Transferring to another state. 3 R
- (7) Family Problems 3 R
- (8) Hardship (Medical) 1 R
- (9) Non Hardship (Medical) 2 R

16.5 How many enlisted Geographic Bachelors (GB) do not live on base?

GB Off-Base = 10

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

16.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 16.4: Reasons for Geographic Separation (BEQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	102	84	
Spouse Employment (non-military)	20	16	Many own homes in location of spouse empl.
Other			
TOTAL	122	100 %	

16.5 How many enlisted Geographic Bachelors (GB) do not live on base?

GB Off-Base = 10

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

16. Military Housing - Bachelor Quarters, continued

16.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993.

Table 16.6: BOQ Utilization

Type of Quarters	Utilization Rate
Adequate	100%
Substandard	0
Inadequate	0

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

No.

16.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows:

$$AOB = \frac{(\# \text{ GB} \times \text{average } \# \text{ days in barracks})}{365}$$

$$AOB = \underline{37 R}$$

16.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 16.9: Reasons for Geographic Separation (BOQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	11	100	(1) R
Spouse Employment (non-military)	0	0	
Other	0 R	0 R	
TOTAL	11	100	

(1) Families live in another city/county/state. R

16.10 How many officer Geographic Bachelors do not live on base?

$$\# \text{ GB Off-Base} = \underline{1}$$

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

16. Military Housing - Bachelor Quarters, continued

16.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993.

Table 16.6: BOQ Utilization

Type of Quarters	Utilization Rate
Adequate	100%
Substandard	0
Inadequate	0

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

No.

16.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows:

AOB = $\frac{\# \text{ GB} \times \text{average \# days in barracks}}{365}$

365

AOB = 10.2

16.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 16.9: Reasons for Geographic Separation (BOQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	11	100	mostly financial
Spouse Employment (non-military)	0	0	
Other			
TOTAL	11	100	

16.10 How many officer Geographic Bachelors do not live on base?

GB Off-Base = 1

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Quality of Life

17. MWR Facilities

NOTE: LBNSY will assume MWR operation/maintenance responsibility effective 1 October 1994 as a result of NAVSTA closure due to BRAC-91.

17.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION Los Alamitos (Golf Course) DISTANCE 15 Miles

Table 17.1.a: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Auto Hobby	Indoor Bays	None	
	Outdoor Bays	None	
Arts / Crafts	SF	None	
Wood Hobby	SF	None	
Bowling	Lanes	32	Y
Enlisted Club	SF	63061	Y
Officers Club	SF	None	N/A
Library	SF	8562	N/A
Library	Books	30,000	N/A
Theater	Seats	72	N
ITT	SF	236	N
Museum / Memorial	SF	None	
Pool (indoor)	Lanes	None	

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Pool (outdoor)	Lanes	6	N/A
Beach	LF	None	
Swimming Ponds	Each	None	
Tennis Court	Each	None	N/A

17. MWR Facilities, continued

Table 17.1.b: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Volleyball court (outdoor)	Each	None	N/A
Basketball court (outdoor)	Each	1	N/A
Racquetball court	Each	5	N/A
Golf Course	Holes	27	Y
Driving Range	Tee Boxes	21	Y
Gymnasium	SF	26,976	N/A
Fitness Center	SF	25,665	N/A
Marina	Berths	352	Y
Stables	Stalls	None	N/A
Softball Field	Each	4	N/A
Football Field	Each	None	N/A
Soccer Field	Each	None	N/A
Youth Center	SF	6576	N/A
Outdoor Equipment Center	SF	1800	N/A

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

17.2 Is your library part of a regional interlibrary loan program?

No.

Quality of Life

18. Base Family Support Facilities and Programs

NOTE: LBNSY will assume operation/maintenance responsibility effective 1 October 1994 as a result of NAVSTA closure due to BRAC-91.

18.1 Complete the following table on the availability of child care in a child care center on your base.

Table 18.1: Child Care Availability

Age Category	Capacity (# of Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months						
6-12 Months*	8	468	N/A	N/A	50	120
12-24 Months	20	980	N/A	N/A	41	120
24-36 Months	28	1424	N/A	N/A	24	90
3-5 Years	44	1447	N/A	N/A	22	90

* Data available for 0-12 months.

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

- a. Facility type/code:
- b. What makes it inadequate?
- c. What use is being made of the facility?
- d. What is the cost to upgrade the facility to substandard?
- e. What other use could be made of the facility and at what cost?
- f. Current improvement plans and programmed funding:
- g. Has this facility condition resulted in C3 or C4 designation on your BASEREP?

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

18. Base Family Support Facilities and Programs, continued

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

Referral agencies are available and recommended.

18.4 How many "certified home care providers" are registered at your base? # = 16

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

Fort MacArthur Los Angeles Air Force Base (AFB) Annex: 60 children, 6 mos - 5 yrs
Los Angeles AFB; 54 children, 6 wks - 5 yrs

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

18. Base Family Support Facilities and Programs, continued

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

Table 18.6: Available Services

Service	Unit of Measure	Quantity
Exchange	SF	118,029
Gas Station	SF	1,330
Auto Repair	SF	2,958
Auto Parts Store	SF	7,331
Commissary	SF	50,875
Mini-Mart	SF	4100-Seal Beach 2800-San Pedro
Package Store	SF	None
Fast Food Restaurants	Each	1
Bank/Credit Union	Each	2
Family Service Center	SF	4228
Laundromat	SF	792
Dry Cleaners	Each	1
ARC	PN	None
Chapel	PN	250
FSC Classroom/Auditorium	PN	26/47

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

19. Metropolitan Areas

19.1 Identify proximate major metropolitan areas closest to your base (provide at least three):

Table 19.1: Proximate Metropolitan Areas

City	Distance (Miles)
Long Beach	5
Los Angeles*	25
Carson	10

Note: The City of Los Angeles (LA) is a city of communities. There are 75 community names recognized by the city. The distance from L.A. to the shipyard ranges from approx. 4 mi to approx. 48 mi.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

Quality of Life

20. VHA Rates

20.1 Identify the Standard Rate VHA Data for Cost of Living in your area:

Table 20.1: VHA Rates

Paygrade	With Dependents	Without Dependents
E1	325.94	182.36
E2	313.18	196.95
E3	306.43	225.79
E4	328.15	229.02
E5	358.55	250.34
E6	418.55	284.92
E7	455.46	316.39
E8	515.05	389.37
E9	510.90	387.83
W1	529.56	402.18
W2	541.06	424.37
W3	535.54	435.34
W4	627.08	555.99
O1E	499.92	370.82
O2E	507.19	404.38
O3E	546.02	461.93
O1	455.84	335.90
O2	491.21	383.94
O3	506.09	426.10
O4	595.06	517.47

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

O5	612.43	506.48
O6	567.37	469.62
O7	574.79	467.01

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Quality of Life

21. Off-base Housing Rental and Purchase

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

Table 21.1: Recent Rental Rates

Type of Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	850	350	55
Apartment (1-2 Bedroom)	1000	450	80
Apartment (3+ Bedroom)	1400	800	100
Single Family Home (3 Bedroom)	2000	1200	125
Single Family Home (4+ Bedroom)	2100	1300	125
Town House (2 Bedroom)	1100	800	90
Town House (3+ Bedroom)	1200	1000	100
Condominium (2 Bedroom)	1100	800	90
Condominium (3+ Bedroom)	1200	1000	100

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

21.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 21.2: Rental Occupancy Rate

Type Rental	Occupancy Rate (%)
Efficiency	91.6 R%
Apartment (1-2 Bedroom)	91.6 R%
Apartment (3+ Bedroom)	91.6 R%
Single Family Home (3 Bedroom)	91.6 R%
Single Family Home (4+ Bedroom)	91.6 R%
Town House (2 Bedroom)	91.6 R%
Town House (3+ Bedroom)	91.6 R%
Condominium (2 Bedroom)	91.6 R%
Condominium (3+ Bedroom)	91.6 R%

Note: There is no breakdown of rental occupancy rate by dwelling type. However, the cumulative vacancy rate is available and is computed at 9.5% by the U.S. Dept of Commerce (1993 Annual Statistic)

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

21.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 21.2: Rental Occupancy Rate

Type Rental	Occupancy Rate (%)
Efficiency	90.5%
Apartment (1-2 Bedroom)	90.5%
Apartment (3+ Bedroom)	90.5%
Single Family Home (3 Bedroom)	90.5%
Single Family Home (4+ Bedroom)	90.5%
Town House (2 Bedroom)	90.5%
Town House (3+ Bedroom)	90.5%
Condominium (2 Bedroom)	90.5%
Condominium (3+ Bedroom)	90.5%

Note: There is no breakdown of rental occupancy rate by dwelling type. However, the cumulative vacancy rate is available and is computed at 9.5% by the U.S. Dept of Commerce (1993 Annual Statistic)

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

21. Off-base Housing Rental and Purchase, continued

21.3 What are the median costs for homes in the area?

Table 21.3: Regional Home Costs

Type of Home	Median Cost (\$ K)
Single Family Home (3 Bedroom)	160
Single Family Home (4+ Bedroom)	170
Town House (2 Bedroom)	140
Town House (3+ Bedroom)	145
Condominium (2 Bedroom)	150
Condominium (3+ Bedroom)	155

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

Table 21.4: Housing Availability

Month	Number of Bedrooms		
	2	3	4+
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

21. Off-base Housing Rental and Purchase, continued

21.5 Describe the principle housing cost drivers in your local area.

High Average income in Los Angeles County.
Locality Desirability.
High land values.

22. Sea-Shore Opportunities

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

Table 22.1: Sea Shore Opportunities

Rating	# Sea Billets in Local Area*	# Shore Billets in Local Area**
MM	79	8
BM	96	8
EM	69	7
HT	33	6
BT	59	4

*Note: Sea billets are based on ships in the area for overhaul (e.g., USS TARAWA, USS FORD, USS INGRAHAM, USS DAVID R. RAY and USS WABASH).

**Note: These numbers are the total authorized shore billets for SIMA Det, SUPSHIP, and LBNSY.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

23. Commuting Distances

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

Table 23.1: Commuting Distances

Location	% Employees	Distance (Miles)	Time (Minutes)
Long Beach	27.7	5	8
Los Angeles*	15.0	25	45
Carson	7.3	10	20
Compton	4.2	14	25
Lakewood	4.2	8	15

***Note: The City of Los Angeles (LA) is a city of communities. There are 75 community names recognized by the city. The distance from LA to the shipyard ranges from approx 4 miles to approximately 48 miles.**

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Quality of Life

24. Regional Educational Opportunities

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

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

Table 24.1: Educational Opportunities

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
San Pedro High	Pub	10-12	Yes	0	840/2 1.5	75	School
Huntington Beach High	Pub	9-12	Yes	0	981/ 23.6	75	H.B. Union School Dist. Ofc.
Los Alamitos High	Pub	9-12	Yes	0	1004/ 23.9	54	School
Dana Junior High	Pub	7-9	Yes	0	N/A	N/A	School
Dodson Junior High	Pub	7-9	Yes	0	N/A	N/A	School
White's Point Elementary	Pub	K-6	Yes	0	N/A	N/A	School
Taper Avenue Elementary	Pub	K-6	Yes	0	N/A	N/A	School

See note on next page.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

The above seven listed schools were selected based on their proximity to military housing and because they are the ones which the majority of military dependents attend.

In addition, since Los Angeles is a large metropolitan area, there are a total of 415 elementary schools, 72 junior high schools, 48 senior high schools, 44 continuation schools, 14 opportunity schools and centers, 18 schools for handicapped, and 95 magnet schools and centers in the L.A. Unified School District alone. Orange County School District provides 340 elementary schools, 71 middle schools, 58 senior high schools, 15 continuation schools, and 23 alternative education schools.

*Sources: Los Angeles County Office of Education
Orange County Department of Education
California Department of Education

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

24. Regional Educational Opportunities, continued

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

Table 24.2: Off-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Long Beach Adult School	Day X	X				
	Night					
Long Beach Community Service Ctr	Day X	X			X	
	Night					
Somerset (Bellflower)	Day X	X				
	Night					
Cal State Long Beach	Day X		X	X	X	X
	Night X		X	X	X	X
Long Beach City College	Day X		X	X	X	(Assoc Degree Only)
	Night X		X	X	X	
Cal State Dominguez Hills	Day X			X	X	X
	Night X			X	X	X

Note: The above listed schools were selected based on their accessibility to service members and their adult dependents. Since Los Angeles is a large metropolitan area, they represent only a small sample of the institutes in the immediate vicinity. In addition to the above 26 community adult schools and 11 vocational occupational centers in the L.A. Unified School District alone. There are also 22 community colleges and 36 public and private four year colleges and universities in the Los Angeles County.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

24. Regional Educational Opportunities, continued

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

Table 24.3: On-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Chapman University	Day					
	Night	No	No	Yes	Yes	Yes
	Correspondence					

Quality of Life

25. Spousal Employment Opportunities

25.1 Provide the following data on spousal employment opportunities.

Table 25.1: Spouse Employment

Skill Level	# Military Spouses Serviced by FSC Spouse Employment Assistance			Local Community Unemployment Rate (%)
	FY 1991	FY 1992	FY 1993	
Professional				
Manufacturing				
Clerical				
Service				
Other (All)	102	240	162	9.9%

Note: Los Angeles County Office of Economic Development does not break out skill level of unemployed. Percentage of unemployed as of April 1994.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

26. Medical / Dental Care

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

No difficulty in military or civilian health care system due to onboard NAVMEDCLINIC capability and effective referral service (consults and supplemental care referrals to NAVHOSP, CAMP PENDLETON, NAVHOSP San Diego, Long Beach VA Hospital and 198 local civilian medical facilities (formal agreements with 5). For after hours care - military personnel utilize the VA Hospital or local civilian medical facilities for immediate or emergency care. Onboard full service dental care.

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

Limited access to military medical care on base - Pharmacy is available to all categories of beneficiaries; no access to military dental; access to NAVCARE facility at Tustin CA, located 35 miles from base.

Health benefits advisors (NAVMEDCLINIC Staff) and TRICARE Service Center Counselors are located within base at NAVMEDCLINIC. They provide information to all beneficiaries on medical benefits and how/where to obtain care.

Access to copious supply of full-service civilian medical and dental care providers through TRICARE system, Medicare, private insurance and referral to other military treatment's facility and Uniformed Services Active Duty Dependents Dental Plan.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

Quality of Life

27. Crime Rate

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

Table 27.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)	13	10	9
Base Personnel - military	7	6	3
Base Personnel - civilian	2	1	0
Off Base Personnel - military	4	3	6
Off Base Personnel - civilian			
2. Blackmarket (6C)	0	0	0
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
3. Counterfeiting (6G)	0	0	0
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
4. Postal (6L)	0	0	3
Base Personnel - military	0	0	2
Base Personnel - civilian			
Off Base Personnel - military	0	0	1
Off Base Personnel - civilian			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

27. Crime Rate, continued

Table 27.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	1	0	0
Base Personnel - military	1	0	0
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
6. Burglary (6N)	127	89	105
Base Personnel - military	30	32	22
Base Personnel - civilian	38	19	42
Off Base Personnel - military	19	27	25
Off Base Personnel - civilian	40	11	16
7. Larceny - Ordnance (6R)	0	1	0
Base Personnel - military			
Base Personnel - civilian	0	1	0
Off Base Personnel - military			
Off Base Personnel - civilian			
8. Larceny - Government (6S)	339	300	225
Base Personnel - military	58	44	43
Base Personnel - civilian	265	236	168
Off Base Personnel - military	10	14	12
Off Base Personnel - civilian	6	6	2

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

27. Crime Rate, continued

Table 27.1.c: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)	291	256	188
Base Personnel - military	51	64	47
Base Personnel - civilian	146	108	106
Off Base Personnel - military	55	38	17
Off Base Personnel - civilian	39	46	18
10. Wrongful Destruction (6U)	349	444	354
Base Personnel - military	77	141	170
Base Personnel - civilian	172	172	90
Off Base Personnel - military	41	66	55
Off Base Personnel - civilian	59	65	39
11. Larceny - Vehicle (6V)	33	37	25
Base Personnel - military	11	14	11
Base Personnel - civilian	15	11	5
Off Base Personnel - military	7	9	9
Off Base Personnel - civilian	0	3	0
12. Bomb Threat (7B)	45	57	55
Base Personnel - military	16	13	20
Base Personnel - civilian	24	11	7
Off Base Personnel - military	5	20	23
Off Base Personnel - civilian	0	13	5

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

27. Crime Rate, continued

Table 27.1.d: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	0	1	0
Base Personnel - military			
Base Personnel - civilian		1	
Off Base Personnel - military			
Off Base Personnel - civilian			
14. Assault (7G)	177	141	119
Base Personnel - military	44	25	24
Base Personnel - civilian	50	31	35
Off Base Personnel - military	51	49	32
Off Base Personnel - civilian	32	36	28
15. Death (7H)	4	2	0
Base Personnel - military	2	1	0
Base Personnel - civilian			
Off Base Personnel - military	2	1	0
Off Base Personnel - civilian			
16. Kidnapping (7K)	2	0	2
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military	2	0	2
Off Base Personnel - civilian			

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

27. Crime Rate, continued

Table 27.1.e: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)	33	35	34
Base Personnel - military	9	8	11
Base Personnel - civilian	9	13	11
Off Base Personnel - military	9	13	9
Off Base Personnel - civilian	6	1	3
19. Perjury (7P)	0	0	0
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
20. Robbery (7R)	5	4	2
Base Personnel - military	2	2	0
Base Personnel - civilian			
Off Base Personnel - military	3	2	2
Off Base Personnel - civilian			
21. Traffic Accident (7T)	455	266	475
Base Personnel - military	115	89	181
Base Personnel - civilian	142	148	196
Off Base Personnel - military	50	53	32
Off Base Personnel - civilian	148	93	66

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

27. Crime Rate, continued

Table 27.1.f: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)	2	4	2
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military	2	4	2
Off Base Personnel - civilian			
23. Indecent Assault (8D)	2	2	7
Base Personnel - military	1	1	3
Base Personnel - civilian			
Off Base Personnel - military	1	1	4
Off Base Personnel - civilian			
24. Rape (8F)	3	9	5
Base Personnel - military	0	2	1
Base Personnel - civilian			
Off Base Personnel - military	3	7	4
Off Base Personnel - civilian			
25. Sodomy (8G)	0	0	0
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

23 June 1994

DATA CALL FOR MILITARY VALUE ANALYSES
for
NAVAL SHIPYARDS and NAVAL SHIP REPAIR FACILITY

Supplement

TAB A: TECHNICAL OPERATIONS

FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

TAB B: SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

APPENDIX A:

- I. FUNCTIONAL SUPPORT AREAS (PRODUCTS)
- II. LIFE-CYCLE WORK AREAS

APPENDIX B:

- I. FUNCTIONAL SUPPORT AREA DEFINITIONS
- II. LIFE-CYCLE WORK AREA DEFINITIONS

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

INSTRUCTIONS FOR TAB A

1. Use Tables 1.a-1.h to identify the Functional Areas in which your facility performs work for the listed functional support areas (products). Appendices A and B define/describe the products and functional areas used in these Tables.
2. Complete the Tables for all categories and all products provided in this Tab.
3. In completing Tab A, provide Direct Labor Man Years of "work years" for DBOF activities.

R

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: Table 1.a: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Basic Research	Explor. Devel.	Adv. Devel.	Eng. & Mfg. Dev.	RDT&E Support	Op Sys Support	Production	Acceptance Testing	Moder-nization
1 Platforms									
1.1 UnderSea									
1.2 Aircraft									
1.3 Surface Ship									587 * (R)
1.4 Space Satellites									
1.5 Ground Vehicles									
2 Weapons Systems									
2.1 Gun Systems									71 *
2.2 Guided Missiles									
2.3 Freefall Weapons & Rockets									
2.4 Torpedoes									
2.5 Mines									
2.6 Directed Energy Systems									
2.7 Explosives									
2.8 Launchers									16 *
2.9 Fire Control									32 *
2.10 Wpns Data Links									11
2.11 Weapons Fuzing									
2.12 Wpns Propulsion									
2.13 Other Ordnance									
3. Combat Systems Integration									
3.1 Subsurface									
3.2 Air									
3.3 Surface									
3.4 Multiplatform									

* Includes expanded planning yard direct labor.
 (R) - Indicates revised number as of 25 July '94.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

TAB A: Table 1.a: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Basic Research	Explor. Devel.	Adv. Devel.	Engg. & Mfg. Devel.	RDT&E Mngt Support	Op Sys Support	Production	Acceptance Testing	Moder-nization
1. Platforms									
1.1 UnderSea									
1.2 Aircraft									
1.3 Surface Ship									608 *
1.4 Space Satellites									
1.5 Ground Vehicles									
2. Weapons Systems									
2.1 Gun Systems									71 *
2.2 Guided Missiles									
2.3 Freefall Weapons & Rockets									
2.4 Torpedoes									
2.5 Mines									
2.6 Directed Energy Systems									
2.7 Explosives									
2.8 Launchers									16 *
2.9 Fire Control									32 *
2.10 Wpns Data Links									11
2.11 Weapons Fuzing									
2.12 Wpns Propulsion									
2.13 Other Ordnance									
3. Combat Systems Integration									
3.1 Subsurface									
3.2 Air									
3.3 Surface									
3.4 Multiplatform									

* Includes expanded planning yard direct labor.

TAB A: Table 1.b: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Program Support	Sched. Maint.	Repair	Testing	In Serv. Engr.	Program Support	Retire - ment	Trng/ Ops Spt	Sim. Model/ Anlys
1. Platforms									
1.1 UnderSea									
1.2 Aircraft									
1.3 Surface Ship			845(R)	1 *					
1.4 Space Satellites									
1.5 Ground Vehicles									
2. Weapons Systems									
2.1 Gun Systems			13						
2.2 Guided Missiles									
2.3 Freefall Weapons & Rockets									
2.4 Torpedoes									
2.5 Mines									
2.6 Directed Energy Systems									
2.7 Explosives									
2.8 Launchers			6						
2.9 Fire Control			6						
2.10 Wpns Data Links			2						
2.11 Weapons Fuzing									
2.12 Wpns Propulsion									
2.13 Other Ordnance									
3. Combat Systems Integration									
3.1 Subsurface									
3.2 Air									
3.3 Surface									
3.4 Multiplatform									

* Includes expanded planning yard direct labor.
 (R) - Indicates revised number as of 25 July '94.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

TAB A: Table 1.b: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Program Support	Sched. Maint.	Repair	Testing	In Serv. Engr.	Program Support	Retirement	Trng/Ops Spt	Sim. Model/Anlys
1. Platforms									
1.1 UnderSea									
1.2 Aircraft									
1.3 Surface Ship			874	1 *					
1.4 Space Satellites									
1.5 Ground Vehicles									
2. Weapons Systems									
2.1 Gun Systems			13						
2.2 Guided Missiles									
2.3 Freefall Weapons & Rockets									
2.4 Torpedoes									
2.5 Mines									
2.6 Directed Energy Systems									
2.7 Explosives									
2.8 Launchers			6						
2.9 Fire Control			6						
2.10 Wpns Data Links			2						
2.11 Weapons Fuzing									
2.12 Wpns Propulsion									
2.13 Other Ordnance									
3. Combat Systems Integration									
3.1 Subsurface									
3.2 Air									
3.3 Surface									
3.4 Multiplatform									

* Includes expanded planning yard direct labor.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: Table 1c: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Basic Research	Explor. Devel.	Adv. Devel.	Engr & Mfg. Devel	RDT&E Mngt Support	Op Sys Support	Production	Acceptance Testing	Moder-nization
4. Special Ops Spt									
4.1 Landing Force Eqmt & Systems									
4.2 Coastal/Special Warfare Support									
5. Sensors & Surveillance Sys									
5.1 Sonars Systems									93 *
5.2 Radar Systems									6 *
5.3 Special Sensors									1 *
5.4 Space Sensor / Surveillance Sys									
5.5 Ocean Surv.									
6. Navigation									
6.1 Sub. Nav. Sys									
6.2 Aircraft Nav. Sys									
6.3 Surf. Ship Nav.									1
6.4 Wpns Nav. Sys									
6.5 Satellite Nav. Sys									
7. C ³ I									
7.1 Submarine									
7.2 Airborne									
7.3 Shipboard									6
7.4 Land-Based									
7.5 Space Comm Sys									
7.6 Non-Tact Data									2 *
7.7 Air Traffic Cntrl									
7.8 Intel Info Sys									

* Includes expanded planning yard direct labor.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: Table 1.d: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Program Support	Sched. Maint.	Repair	Testing	In Serv. Engr.	Program Support	Retire-ment	Trng/ Ops Spt	Sim. Model/ Anlys
4. Special Ops Spt									
4.1 Landing Force Eqmt & Systems									
4.2 Coastal/Special Warfare Support									
5. Sensors & Surveillance Sys									
5.1 Sonars Systems			5						
5.2 Radar Systems			27						
5.3 Special Sensors									
5.4 Space Sensor / Surveillance Sys									
5.5 Ocean Surv.									
6. Navigation									
6.1 Sub. Nav. Sys									
6.2 Aircraft Nav. Sys									
6.3 Surf. Ship Nav.			10						
6.4 Wpns Nav. Sys									
6.5 Satellite Nav. Sys			1						
7. C ³ I									
7.1 Submarine									
7.2 Airborne									
7.3 Shipboard			16						
7.4 Land-Based									
7.5 Space Comm Sys									
7.6 Non-Tact Data			1						
7.7 Air Traffic Cntrl									
7.8 Intel Info Sys			2						

TAB A: Table 1.e: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Basic Research	Explor. Devel.	Adv. Devel.	Engr & Mnfg. Devel	RDT&E Mngt Support	Op Sys Support	Production	Acceptance Testing	Moder-nization
8. Defense Systems									
8.1 Ballistic Msl Def									
8.2 Countermeasures									11 *
8.3 Electronic Warfare									47 *
9. Strategic Programs									
9.1 Navy Strategic Sys									
9.2 Nuc Wpns/Effects									
10. Gen Mission Spt									
10.1 Personnel/Training									
Sub related Trng Sys									
Air related Trng Sys									
Surf related Trng Sys									
Wpn related Trng Sys									
Human Resrc R&D									
10.2 Log Plng/Implem.									54 *
10.3 Fac Engineering									
10.4 Diving, Salv, O.E.									
10.5 Env Dscrp/Pred									
10.6 Crew Eqmt/ Life Spt									
Submarine									
Aircraft									
Surface Ship									18 *
Med Resr/Cmb Cslty									
Clothing and Textiles									
10.7 Range Dev & Ops									
10.8 Other Subsid Sys									
10.9 Miss/Func Spt									

* Includes expanded planning yard direct labor.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: Table 1.f: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Program Support	Sched. Maint.	Repair	Testing	In Serv. Engr.	Program Support	Retirement	Trng/ Ops Spt	Sim. Model/ Anlys
8. Defense Systems									
8.1 Ballistic Msl Def									
8.2 Countermeasures			1						
8.3 Electronic Warfare			5						
9. Strategic Programs									
9.1 Navy Strategic Sys									
9.2 Nuc Wpns/Effects									
10. Gen Mission Spt									
10.1 Personnel/Training									
Sub related Trng Sys									
Air related Trng Sys									
Surf related Trng Sys									
Wpn related Trng Sys									
Human Resrc R&D									
10.2 Log Png/Implem.									
10.3 Fac Engineering						63			
10.4 Diving, Salv, O.E.									
10.5 Env Dscrp/Pred									
10.6 Crew Eqmt/ Life Spt									
Submarine									
Aircraft									
Surface Ship									
Med Resr/Cmb Cslty									
Clothing and Textiles									
10.7 Range Dev & Ops									
10.8 Other Subsid Sys			13						
10.9 Miss/Func Spt		255							

TAB A: Table 1.g: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Basic Research	Explor. Devel.	Adv. Devel.	Engr & Mnfg. Devel	RDT&E Mngt Support	Op Sys Support	Production	Acceptance Testing	Moder-nization
11. Generic Tech Base									
11.1 Computers									
11.2 Software									
11.3 Comm Network									
11.4 Electronic Device									
11.5 Matl & Processes									
11.6 Energy Storage									
11.7 Propulsion and Energy Conservation									
11.8 Design Automation									11 *
11.9 Human-System Interfaces									
11.10 Other Tech Base Programs									

* Includes expanded planning yard direct labor.

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: Table 1.h: TECHNICAL WORKLOAD MATRIX / FUNCTIONAL AREAS

PRODUCTS	Program Support	Sched. Maint.	Repair	Testing	In Serv. Engr.	Program Support	Retirement	Trng/ Ops Spt	Sim. Model/ Anlys
11. Generic Tech Base									
11.1 Computers									
11.2 Software									
11.3 Comm Network									
11.4 Electronic Device									
11.5 Matl & Processes									
11.6 Energy Storage									
11.7 Propulsion and Energy Conservation.									
11.8 Design Automation									
11.9 Human-System Interfaces									
11.10 Other Tech Base Programs									

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Activity Name	Long Beach Naval Shipyard
Functional Support Area	1. Platform/1.3 Surface Ships
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.

587 (R) WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 98,322.9 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 247.2 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

(R) - Indicates revised number as of 25 July '94.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	1. Platform/1.3 Surface Ships
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
608 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 98,322.9 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 247.2 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

R

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	1. Platform/1.3 Surface Ships
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
845 (R) WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 140,671.9 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 5,331.7 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

(R) - Indicates revised number as of 25 July '94.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Activity Name	Long Beach Naval Shipyard
Functional Support Area	1. Platform/1.3 Surface Ships
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
874 WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 140,671.9 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 5,331.7 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	1. Platform/1.3 Surface Ships
Life Cycle Work Area	13. Testing

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
1 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 115.5 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.1 Gun Systems
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ WYs
71 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 9,383.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. **Do not** include direct cite funding.
 \$ 4.8 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapon Systems/2.1 Gun Systems
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
13 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 7,569.3 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 77.9 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems /2.8 Launchers
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
16 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 1,488.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 3.2 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.8 Launchers
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
6 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 827.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 19.7 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.9 Fire Control
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
32 WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 4,846.4 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 97.3 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.9 Fire Control
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 6 _____ WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 1,465.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 112.0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.10 Weapons Data Lines
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 11 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 1,390.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Activity Name	Long Beach Naval Shipyard
Functional Support Area	2. Weapons Systems/2.10 Weapons Data Lines
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
2 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 517.1 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 16.1 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	5. Sensors & Surveillance Systems/5.1 Sonar Systems
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 93 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 12,448.7 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	5. Sensors & Surveillance Systems/5.1 Sonar Systems
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
5 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 1,104.2 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	5. Sensors & Surveillance Systems/5.2 Radar Systems
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 6 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 709.1 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	5. Sensors & Surveillance Systems/5.2 Radar Systems
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
27 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 4,953.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 46.6 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	5. Sensor & Survey Ships/5.3 Special
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 1 _____ WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 17.6 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	6. Navigation/6.3 Surface Ship Navigation
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 1 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 12.2 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	6. Navigation/6.3 Surface Ship Navigation
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
10 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 1,459.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	6. Navigation/6.5 Satellite Navigation Systems
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 20.2 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	7. Exterior Communications/7.3 Shipboard
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 6 _____ WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 759.5 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	7. Exterior Communications/7.3 Shipyard
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 16 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 2,497.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 116.1 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	7. Exterior Communications/7.6 Non-Tac
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 2 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 289.3 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	7. Exterior Communications/7.6 Non Tact Data
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 272.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 5.0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	7. Exterior Communications/7.8 Intel Info Systems
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
2 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 245.6 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	8. Defense Systems/8.2 Countermeasures
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 11 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 1,445.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 3.4 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	8. Defense Systems/8.2 Countermeasures
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
1 WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 51.3 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	8. Defense Systems/8.3 Elex Warfare
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
47 WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 6,381.5 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. **Do not include direct cite funding.**

\$ 54.6 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	8. Defense Systems/8.3 Elex Warfare
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 5 _____ WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 806.0 K

b. **Out-of-House Expenditures.** Provide the total funds expende, ion thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expanded on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Activity Name	Long Beach Naval Shipyard
Functional Support Area	10. Gen Mission Support/10.2 Log Plng/Implem
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.

_____ 54 _____ WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 5427.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	10. General Mission Support./10.3 Facilities Engineering
Life Cycle Work Area	15. Program Support

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 63 _____ WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 3274.0 _____ K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 237.0 _____ K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 _____ K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	10. Gen Mission Suppt/10.6.3 Crew Eq/Life Suppt - Surface Ship
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.

_____18_____ WYs

2. Expenditures.

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 5536.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
 UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
 FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	10. General Mission Support/10.8 Other Subsidiary System
Life Cycle Work Area	12. Repair

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. In-House Work Years. Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
 _____ 13 _____ WYs

2. Expenditures.

a. In-House Expenditures. Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
 \$ 1,651.0 K

b. Out-of-House Expenditures. Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
 \$ 0 K

c. Direct Cites. Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
 \$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	10. General Mission Support/10.9 Mission Function Support
Life Cycle Work Area	11. Scheduled Maintenance

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.

255 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.

\$ 27,578.0 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.

\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.

\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB A: TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM**

Activity Name	Long Beach Naval Shipyard
Functional Support Area	11. Gen Tech Base/11.8 Design Automation
Life Cycle Work Area	9. Modernization

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

Note:

In-House Expenditures are comprised of the Total Obligation Authority (TOA) for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

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

1. **In-House Work Years.** Provide the total number of in-house government employee (civilian and military) Work Years (WYs) for FY 1993 that were performed by your activity in this functional support area - life cycle work area. Work Years are to be consistent with those used in the preparation of inputs to the President's Budget.
_____ 11 _____ WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost, in thousands of dollars (\$ K), in FY 1993 for this functional support area - life cycle work area.
\$ 1236.1 K

b. **Out-of-House Expenditures.** Provide the total funds expended, in thousands of dollars (\$ K), during FY 1993 for this functional support area - life cycle work area. Do not include direct cite funding.
\$ 0 K

c. **Direct Cites.** Provide total direct cite funds, in thousands of dollars (\$ K), expended on contract during FY 1993 for this functional support area - life cycle work area.
\$ 0 K

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

INSTRUCTIONS FOR TAB B

A. Definitions

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

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

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

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

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

B. Instructions

1. Complete Tab B for each piece of identified conventional facilities and equipment (as defined above) supporting all Functional Support Areas (products) marked in the matrix (Tab A, Tables 1.a-1.h).
2. Where appropriate, pieces of equipment may be aggregated for the purposes of completing Tab B. For example, inside shop equipment may be consolidated as a shop facility; cranes, special hull treatment enclosures, portable test equipment, etc.
3. Do not list drydocks as a facility or an equipment.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP
11.1 GENERIC TECHNOLOGY BASE/ COMPUTERS

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

UNIT OF MEASURE : 24 HOURS - 7 DAYS / WEEK = 100% UTILIZATION
HISTORICAL UTILIZATION = 100%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 100 % THROUGH 1997

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

THIS EQUIPMENT IS CONTROLLED BY THE MAIN COMPUTER AND THERE ARE NO PERSONNEL REQUIRED TO OPERATE IT DIRECTLY.

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

MAINTAINED BY CONTRACTOR - (1) FIELD ENGINEER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	HONEYWELL AUGMENTATION NID - 616079

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

SHIPYARD'S MAINFRAME COMPUTER WHICH IS USED TO PROCESS ALL DATA RELATED TO SHIPYARD COSTS, PAYROLL, MATERIAL ORDERING, RECEIVING AND ISSUING, ACCOUNTS PAYABLE, CUSTOMER BILLING, PROJECT STATUS, DRAWING LOCATION, TIME AND ATTENDENCE, PLANT PROPERTY MANAGEMENT AND PRODUCTION SCHEDULING. ALSO USED TO STORE DATA FOR THE SUPERVISOR OF SHIP BUILDING.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 2,231,000

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

Gross Weight = 6580 LB

Cube = 1476 CU-FT

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

220 VOLTS, 3 PHASE, 201 AMPS

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

NONE

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

23.6 TONS A/C 600 FPM VENTS @FLOOR

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/ SURFACE SHIP

11.1 GENERIC TECHNOLOGY BASE/COMPUTERS

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

UNIT OF MEASURE : 24 HOURS - 7 DAYS / WEEK = 100% UTILIZATION
HISTORICAL UTILIZATION = 100%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 100 % THROUGH 1997

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

(6) COMPUTER SPECIALISTS

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

MAINTAINED BY CONTRACTOR - (1) FIELD ENGINEER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CM-100 CUTTING MACHINE

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

ACCURATE, PRECISION COMPUTER CONTROLLED PLASMA AND OXY/FUEL CUTTING OF FERROUS AND NON-FERROUS PLATE INTO REQUIRED PRODUCTION SHAPES. FULL NESTING AND NETWORKING CAPABILITIES FOR THE MOST EFFICIENT AND ECONOMICAL METHOD OF FABRICATING LARGE AND MULTIPLE CUT OPERATIONS. CAPABLE OF CUTTING 1/8" THROUGH 6" THICK SINGLE OR MULTIPLE SHEETS UP TO A MAXIMUM SIZE OF 22' x 44'.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 641,000

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

Gross Weight = 20,000 Cube = 8,000 C/F

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

NONE

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

NONE

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

CLOSED-LOOP HEAVY METAL FILTRATION

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

NO

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

COMMON CARRIER

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 1989 - 95% 1990 - 96% 1991 - 96%
1992 - 98% 1993 - 98%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 95% THROUGH 1997

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

(1) SHIPFITTER MECHANIC
(1) RIGGER
(1) CRANE OPERATOR

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

(1) ELECTRICIAN
(1) ELECTRONIC TECHNICIAN
(1) MAINTENANCE MECHANIC
(2) TANK CLEANERS
(1) HAZARDOUS MATERIAL HANDLER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	3000 TON HYDRAULIC VERTICAL PRESS

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

USED FOR PRESSING LARGE STRUCTURAL STEEL AND ALUMINUM SHAPES AND STRAIGHTENING PREFABRICATED BULKHEADS, DECKS, AND DOORS ON ITS UNUSUALLY LARGE 10' x 20' BED IN SUPPORT OF SHIP REPAIR AND MODERNIZATION.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$500,000

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

Gross Weight = N/A Cube = 624 Square Feet

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

COST TO RELOCATE EXCEEDS COST OF ORIGINAL EQUIPMENT DUE TO EXTREME SIZE AND WEIGHT. ONE OF A KIND, NO LONGER MANUFACTURED.

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

COMMON CARRIER 1966

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 5% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

1994 - 2% 1996 - 20%
1995 -20% 1997 - 20%

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

(2) SHIPFITTER MECHANICS
(1) RIGGER

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

(1) ELECTRICIAN
(1) MAINTENANCE MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	STRUCTURAL ASSEMBLY BAY

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

USED FOR FABRICATION AND ASSEMBLY OF DECK HOUSES, PLATFORMS, MASTS, SPONSONS, FOUNDATIONS, LADDERS, STORAGE TANKS, FOILS, SONAR DOMES, BULKHEADS, DECKS, BOW SECTIONS, SECTIONS OF SHIP'S UNDERWATER HULL, AND OTHER LARGE STRUCTURES OF VARIOUS METALS (STEEL, ALUMINUM, ETC.) IN SUPPORT OF SHIP REPAIR AND MODERNIZATION. ALSO USED FOR MANUFACTURING LARGE METAL COMPONENTS FOR NON-SHIP SYSTEMS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$3 MILLION

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

Gross Weight = N/A Cube = 1,140,000 CuFt

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

STEAM ,NATURAL GAS AND OXYGEN AND ACETYLENE HARD PIPED

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

NONE

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

PORTABLE H.E.P.A. FILTER VENTILATION IS USED FOR FUME CONTROL.

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

UNIQUE TO DON/DOD DUE TO EXTREMELY LARGE ENVIRONMENTALLY CONTROLLED, AND FULLY SUPPORTED WORK AREA WITH OVERHEAD CRANE SERVICE, TRUCK ACCESS TO INTERIOR OF BAY, AND ALL STRUCTURAL MANUFACTURING CAPABILITIES AND FACILITIES.

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

CONSTRUCTED IN STAGES, ON SITE., SLAB WAS BUILT IN THE 1940'S. SLAB WAS ENCLOSED IN 1968

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

89 - 98%	91 - 98%	93 - 98%
90 - 98%	92 - 98%	

12. Provide the projected utilization data out to FY 1997.

94 - 96%	96 - 98%
95 - 95%	97 - 98%

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

(2) CRANE OPERATORS
(2) RIGGERS
THIS FACILITY WILL SUPPORT 1 TO 30 WELDERS AND 3 TO 40 SHIPFITTERS

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

(1) ELECTRICIAN MECHANIC
(1) MAINTENANCE MECHANIC
(1) CRANE REPAIR MECHANIC
(1) PIPEFITTER MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	SHAFT WELDING LATHE

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

USED FOR PROPULSION SHAFTING REPAIR, INCLUDING STRAIGHTENING, BEARING SURFACE BUILD-UP/CLADDING, AND STRESS RELIEF OF SHAFTING. CAPABLE OF ANY SHAFT LENGTH UP TO 80'. CAPABLE OF ELCTRO SLAG SURFACING OF BEARING AREAS USING ALL SEMI - AUTOMATIC WELDING EQUIPMENT. CRANE SERVICE AVAILABLE FOR SHAFT MOVEMENT IN AN ENVIRONMENTALLY CONTROLLED WORKING AREA.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 523,852.40

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

Gross Weight = 60,000

Cube = 10,800

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

90 POUNDS COMPRESS AIR SUPPLY

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

N/A

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

PORTABLE H.E.P.A. FILTER VENTILATION IS USED FOR FUME CONTROL.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

THIS IS THE ONLY DON/DOD CERTIFIED EQUIPMENT TO PERFORM PROPULSION SHAFTING REPAIRS WITH THE ELECTRO SLAG PROCESS USING 625 INCONEL. THE WELDING HEAD USED ON THE LATHE IS UNIQUE WITH DON/DOD. THE QUALIFIED WELDERS/OPERATORS THAT OPERATE THIS EQUIPMENT HAVE HIGHLY SPECIALIZED SKILLS THAT ARE UNIQUE TO DON/DOD. IF THIS EQUIPMENT IS LOST, THE CAPABILITY TO REPAIR SHAFTS, RUDDER POST AND PROPELLERS ON THE WEST COAST WOULD ALSO BE LOST.

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

COMMON CARRIER 1984 CONSTRUCTED BY PUBLIC WORKS

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEEK, 10 HOUR SHIFT) AVAILABLE = 100%

1989 - 98%, 1990 - 95%, 1991 - 92%, 1992 - 90%, 1993 - 89%.

12. Provide the projected utilization data out to FY 1997.

1994 - 98%, 1995 - 98%, 1996 - 98%, 1997 - 98%

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

(2) WELDER MECHANICS
(1) MACHINIST MECHANIC

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

(1) ELECTRONIC TECHNICIAN
(1) ELECTRICIAN MECHANIC
(1) MAINTENANCE MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC DUAL HEAD STOCK, THREE CARRIAGE, SHAFT LATHE

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

PRECISION COMPUTER CONTROLLED MACHINING OF PROPULSION SHAFTS, SHAFT SLEEVES, RUDDER POSTS, AND ANY EXTENDED LENGTH ROUND PARTS UP TO 70 INCH DIAMETER AND UP TO 83' - 11" LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 2,300,000

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

Gross Weight = 20,000 Cube = 6,237 CU/FT

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

DUAL CRANE LIFTING CAPABILITY IS REQUIRED.

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$550,000.

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

AN EXHAUST SYSTEM IS REQUIRED DUE TO THE EXTENSIVE WELDING OPERATIONS WHICH TAKE PLACE DURING SHAFT REPAIRS.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO OTHER SHIPYARD, PRIVATE OR PUBLIC HAS CNC EQUIPMENT OF THIS LENGTH AND SWING.

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

COMMON CARRIER 1943

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 62% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 32% THROUGH 1997.

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

(2) MACHINISTS FOR SETUP OF LARGE SHAFTS
(1) MACHINIST DURING OPERATION

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

(1) MECHANICAL / HYDRAULIC MECHANIC
(1) ELECTRONIC TECHNICIAN

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC SHAFT LATHE, SINGLE CARRIAGE

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

PRECISION COMPUTER CONTROLLED MACHINING OF PROPULSION SHAFTS, SHAFT SLEEVES, RUDDER POSTS, AND ANY EXTENDED LENGTH ROUND PARTS UP TO 76 INCH DIAMETER AND UP TO 77' LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 2,600,000

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

Gross Weight = 225,000 Cube = 302,400 SQ. FT.

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

DUAL CRANE LIFTING CAPABILITY IS REQUIRED.

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$700,000.

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

AN EXHAUST SYSTEM IS REQUIRED DUE TO THE EXTENSIVE WELDING OPERATIONS WHICH TAKE PLACE DURING SHAFT REPAIRS.

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

NO

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
COMMON CARRIER 1981
10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.
1.3 PLATFORMS/SURFACE SHIP
11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.
198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 22% (1989 - 1993)
12. Provide the projected utilization data out to FY 1997.
PROJECTED UTILIZATION = 17% THROUGH 1997.
13. What is the approximate number of personnel used to operate the facility/equipment?
(1) MACHINIST
14. What is the approximate number of personnel needed to maintain the equipment?
(1) MECHANICAL / HYDRAULIC MECHANIC
(1) ELECTRONIC TECHNICIAN
15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC 4 AXIS VERTICAL MACHINING CENTER

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

PRECISION COMPUTER CONTROLLED MACHINING, MILLING, DRILLING, BORING, THREADING, AND 3 OR 4 AXIS CONTOUR MILLING OF PARTS IN DEMENSIONS UP TO 30" WIDE x 20" HIGH x 50" LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 531,000

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

Gross Weight = 45,000 LB. Cube = 2,420 CU. FT.

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

NONE

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$110,000.

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

NONE

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

NO

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

COMMON CARRIER 1992

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 44% (1992 - 1993) (1989-1991 = 0%)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 40% THROUGH 1997

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC

(1) ELECTRONIC TECHNICIAN

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC VERTICAL TURNING CENTER

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

PRECISION COMPUTER CONTROLLED MACHINING AND CONTOURING OF LARGE ROUND PARTS IN DEMENSIONS UP TO 35" DIAMETER x 40" HIGH.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,052,000

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

Gross Weight = 25,000 ___ Cube = N/A

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

NONE

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$100,000.

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

COMMON CARRIER 1964
OVERHAULED AND CNC RETROFITTED 1989

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 68% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 33% THROUGH 1997

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC
(1) ELECTRONIC TECHNICIAN
(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC 4 AXIS, DUAL PALLET, HORIZONTAL MACHINING CENTER

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

PRECISION COMPUTER CONTROLLED MACHINING, MILLING, DRILLING, BORING, THREADING, AND 3 OR 4 AXIS CONTOUR MILLING OF VARIOUS PARTS AND DIMENSIONS UP TO 30" WIDE x 30" HIGH x 30" LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 927,000

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

Gross Weight = 420,000 Cube = 464,966

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

NONE

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$155,000.

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

NONE

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

NO

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

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

COMMON CARRIER 1993

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

EQUIPMENT NEWLY INSTALLED - 1993

CURRENT HISTORICAL UTILIZATION AVERAGE = 10% (1993 - 1994)

12. Provide the projected utilization data out to FY 1997.

PROJECT UTILIZATION = 22% THROUGH 1997.

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC

(1) ELECTRONIC TECHNICIAN

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC 4 AXIS, VERTICAL TRAVELING COLUMN, MACHING CENTER

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

PRECISION COMPUTER CONTROLLED MACHINING, MILLING, DRILLING, BORING, THREADING, AND 3 OR 4 AXIS CONTOUR MILLING OF PARTS IN DEMENSIONS UP TO 35" WIDE x 80" HIGH x 144" LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 900,000

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

Gross Weight = 73,000 LB. Cube = 453,600 CU. FT.

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

NONE

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$400,000.

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

NONE

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

NO

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

COMMON CARRIER 1983

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 85% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 85% THROUGH 1997

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC

(1) ELECTRONIC TECHNICIAN

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC VERTICAL UNIVERSAL PRECISION GRINDER

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

PRECISION COMPUTER CONTROLLED CLOSE TOLERANCE FINISH MACHINING OF ROUND PARTS. MACHINE SIZE: 32" BENEATH THE BRIDGE AND 54" DIAMETER.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 546,000

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

Gross Weight = 12,000 Cube = N/A

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

COMMON CARRIER 1988

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 32% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 30% THROUGH 1997

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC

(1) ELECTRONIC TECHNICIAN

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC PRECISION SURFACE GRINDER

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

PRECISION COMPUTER CONTROLLED CLOSE TOLERANCE FINISH MACHINING OF LARGE
FLAT PARTS IN DIMENSIONS UP TO 36" WIDE x 36" HIGH x 16' LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions
provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,000,000

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

Gross Weight = 80,000 LB. Cube = 100,000 CU. FT.

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

COMMON CARRIER 1960
OVERHAULED AND CNC RETROFITTED 1991

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 32% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 35% THROUGH 1997

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

(1) CNC TRAINED MACHINIST

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

(1) MECHANICAL / HYDRAULIC MECHANIC
(1) ELECTRONIC TECHNICIAN

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC 4 AXIS, VERTICAL MACHINING CENTER

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

PRECISION COMPUTER CONTROLLED MACHINING, MILLING, DRILLING, BORING, THREADING, AND 3 OR 4 AXIS CONTOUR MILLING OF PARTS IN DEMENSIONS UP TO 33" WIDE x 24" HIGH x 55" LONG.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 660,000

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

Gross Weight = 13,425 Cube = N/A

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

NONE

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

SPECIAL FOUNDATION IS REQUIRED FOR THIS EQUIPMENT AT AN ESTIMATED COST OF \$100,000.

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

NONE

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

NO

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
COMMON CARRIER 1984
10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.
1.3 PLATFORMS/SURFACE SHIP
11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.
198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 75% (1989 - 1993)
12. Provide the projected utilization data out to FY 1997.
PROJECT UTILIZATION = 64% THROUGH 1997.
13. What is the approximate number of personnel used to operate the facility/equipment?
(1) CNC TRAINED MACHINIST
14. What is the approximate number of personnel needed to maintain the equipment?
(1) MECHANICAL / HYDRAULIC MECHANIC
(1) ELECTRONIC TECHNICIAN
15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CNC PUNCH / PLASMA ARC MACHINING CENTER

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

PRECISION COMPUTER CONTROLLED HOLE PUNCHING AND PLASMA ARC CUTTING OF VARIOUS SHEETMETAL PLATES (CARBON STEEL, ALUMINUM, CRES, ETC.) RANGING FROM 1/32" TO 1/4" IN THICKNESS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 511,000

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

Gross Weight = 17,100 LB. Cube = 2,280 C/F

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

COMPRESSED GAS
PNEUMATIC AIR

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

NONE

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

AIR EMISSION CONTROLS FOR PLASMA CUTTING PROCESS WITH H.E.P.A. FILTERS.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

COMMON CARRIER, 1984

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 80% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 70% THROUGH 1997

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

(1) CNC TRAINED SHEETMETAL MECHANIC

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

(1) MECHANICAL / HYDRAULIC MECHANIC

(1) ELECTRONIC TECHNICIAN

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	PUMP TEST ANALYZER AND PUMP TEST FACILITY

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

DEDICATED PUMP TEST FACILITIES WITH (14) TEST ANALYZERS TO CONDUCT POST OVERHAUL PUMP TESTS OF STEAM AND MOTOR DRIVEN PUMPS AND PURIFIERS. PUMP TESTING CAPABILITIES UP TO 5000 GPM AND 2000 PSI ; ELECTRICAL TESTING CAPABILITIES UP TO 400 AMP MOTORS ; AND STEAM TESTING LIMITS UP TO 30,000 LBS AT 1500 PSI.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FACILITY (FIXED) AND TEST ANALYZERS (MOVEABLE)

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

Replacement Value = \$ 1,240,000

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

Gross Weight = 50,000 LB. Cube = 76,800 CU. FT.

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

440 VOLT ELECTRICAL REQUIREMENT

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

NONE

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

PERMITTED OILY WASTEWATER RECOVERY SYSTEM

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

NO

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

COMMON CARRIER, 1980

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 37%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION AVERAGE = 25% THROUGH 1997

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

(1) MECHANIC
(1) ELECTRICIAN

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

(2) MAINTENANCE TECHNICIANS
(1) ELECTRONIC CALIBRATION TECHNICIAN
(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	AIR COMPRESSOR TEST FACILITY

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

CONDUCT AUTOMATIC OR COMPUTER CONTROLLED POST OVERHAUL TESTING AND MONITORING OF VARIOUS TYPES OF HIGH OR LOW PRESSURE AIR COMPRESSORS TO DESIGN TEST PARAMETERS. TESTING CAPABILITIES UP TO 5,000 PSI.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEBLE

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

Replacement Value = \$ 504,000

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

Gross Weight = 25,000 LB. Cube = N/A

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

NONE

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

NONE

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

NONE

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

NO

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

COMMON CARRIER 1977

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 16% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 16% THROUGH 1997.

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

(1) MECHANIC

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

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	REFRIGERATION COMPRESSOR TEST CENTER

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

CONDUCT COMPUTER CONTROLLED POST OVERHAUL TESTING AND MONITORING OF VARIOUS CENTRIFUGAL OR RECIPROCAL AIR CONDITIONING AND REFRIGERATION (AC&R) COMPRESSORS TO DESIGN TEST PARAMETERS. TESTING CAPABILITIES UP TO 300 TON UNITS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 535,000

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

Gross Weight = 18,000 LB. Cube = N/A

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

COMMON CARRIER 1982

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 8% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 8% THROUGH 1997.

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

(1) AIR CONDITIONING AND REFRIGERATION MECHANIC

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

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	HYDRAULIC TRANSMISSION TEST FACILITY

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

CONDUCT TESTING OF FOUR TYPES OF NAVY STANDARD TRANSMISSION AND FOUR TYPES OF SEALED HYDRAULIC TRANSMISSIONS (ie. HIGHLINE, INHAUL / OUTHAUL, AND SPANWIRE) UNDER SIMULATED "UNREP" OPERATING CONDITIONS. ** UNREP - UNDERWAY REPLENISHING

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 2,358,000

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

Gross Weight = 35,000 LB Cube = 2800 CU. FT.

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

NONE

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

SPECIAL FOUNDATIONS WITH SUMP FOR HYDRAULIC FLUID

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

COMMON CARRIER 1989

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 1989-90 0%

1991- 23% 1992-32% 1993- 28%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 1995- 96 15% 1997 23%

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

(1) HYDRAULIC MECHANIC

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

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	DIESEL ENGINE ANALYZER AND INCINERATOR

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

FULL PERFORMANCE DYNO TESTING OF DIESEL ENGINES AFTER OVERHAUL UP TO 2,000 HORSEPOWER AND GENERATING COMPUTER CONTROLLED ANALYTICAL TEST RESULTS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 750,000

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

Gross Weight = N/A Cube = 6' 6" X 16' 8" = 708 CU - FT

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

NATURAL GAS, COMPRESSED AIR AND COOLING WATER

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

AFTER-BURNER AND EXHAUST SYSTEM REQUIRED TO COMPLY WITH & SCAQMD EPA REGULATIONS. SPECIAL FOUNDATION FOR TEST CELL

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

AIR POLLUTION CONTROL SYSTEM - AFTERBURNER AND EXHAUST SYSTEM WITH A 40 HORSEPOWER BLOWER FOR 4 TEST CELLS.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

ENGINE ANALYZER WAS CONSTRUCTED, ON-SITE, BY SOUTHWEST RESEARCH INSTITUTE. INCINERATOR AND AFTER-BURNER WERE INSTALLED BY SMITH ENGINEERING. INSTALLATION WAS DONE 1989/90.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

AVERAGE PERFORMANCE TEST AND HEAT RUN REQUIRES 28.6 HOURS. AN AVERAGE OF 24 ENGINES TESTED PER YEAR 1989 - 1993.

12. Provide the projected utilization data out to FY 1997.

PROJECT UTILIZATION = 35% THROUGH 1997, BASED ON PROJECTION OF 36 ENGINES .

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

(1) DIESEL MECHANIC

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

(1) MAINTENANCE MECHANIC

(1) ELECTRONIC TECHNICIAN - CONTRACT SUPPORT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	6" CNC PIPE BENDER

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

COMPUTER CONTROLLED PIPE BENDING OF VARIOUS PIPING MATERIALS IN DIMENSIONS RANGING FROM 2" TO 6" IPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 670,000

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

Gross Weight = 15 TONS

Cube = 2,496 CU. FT.

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

NONE

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

NONE

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

NONE

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

NO

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NEW CONSTRUCTION 1988

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 15% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 10% THROUGH 1997.

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

(1) PIPEFITTER MECHANIC

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

(1) MAINTENANCE MECHANIC

(1) ELECTRONIC MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	#448 7"-10" PIPE PUSHER BENDER

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

PIPE BENDING OF VARIOUS PIPING MATERIALS IN DIMENSIONS RANGING FROM 7" TO 10" IPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 700,000

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

Gross Weight = 70,000 Cube = 57,120 C/F

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

COMMON CARRIER 1953 . MOVED WITH GREAT DIFFICULTY IN 1982.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

1989 - 1993 AVERAGE UTILIZATION = 20%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 15% THROUGH 1997.

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

(1) OPERATOR PIPEFITTER MECHANIC

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

(1) MAINTENANCE MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	ELECTRONIC MODULAR AUTOMATED TEST SYSTEM (MOATS)

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

AUTOMATIC PROGRAMMED DYNAMIC TESTING AND REPAIR OF ALL TYPES OF
ELECTRICAL AND ELECTRONIC DEVICES AND CIRCUIT BOARDS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,500,000

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

Gross Weight = 10,000 LB Cube = 576 CU. FT.

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

NONE

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

EQUIPMENT CALIBRATION

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

TEMPERATURE AND HUMIDITY CONTROLS

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

TRANSPORTED AND INSTALLED BY SOUTHWEST RESEARCH INSTITUTE IN 1983.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP2.9
2.9 WEAPONS SYSTEM/FIRE CONTROL
2.10 WEAPONS SYSTEM/WEAPONS DATA LINKS
6.4 NAVIGATION/WEAPONS NAVIGATION SYSTEMS

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 80% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80% THROUGH 1997.

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

(10) ELECTRONIC MECHANICS

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

(1) ELECTRONIC MECHANIC
(1) ELECTRONIC MEASUREMENT MECHANIC
(1) AUTOMATIC TEST EQUIPMENT MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:LBNSY	LBNS
Facility or Equipment Nomenclature or Title	SPS-40 AIR SEARCH RADAR TEST AND REPAIR STATION

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

CONDUCT TESTING, ALIGNING, AND REPAIRING OF ALL PRINTED CIRCUIT CARDS,
MODULES AND SUB- MODULES OF THE SPS-40 SERIES AIR SEARCH RADAR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,000,000

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

Gross Weight = 2 TONS Cube = 144 CU. FT.

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

NONE

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

EQUIPMENT CALIBRATION AND REPAIR

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

TEMPERATURE AND HUMIDITY CONTROLS

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

CONSTRUCTED BY DYNELL ELECTRONICS CORP. IN 1973

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

2.9 WEAPONS SYSTEMS/FIRE CONTROL

6.4 NAVIGATION/WEAPONS NAVIGATION SYSTEMS

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION = 80%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80% THROUGH 1997.

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

(2) ELECTRONIC MECHANICS

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

(1) ELECTRONIC MECHANIC

(1) MEASUREMENT EQUIPMENT MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	SPS-55 SEARCH RADAR TEST AND REPAIR STAND

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

CONDUCT TESTING, ALIGNING, AND REPAIRING OF ALL PRINTED CIRCUIT CARDS,
MODULES AND SUB- MODULES OF THE SPS-55 SURFACE SEARCH RADAR SYSTEM.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVABLE

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

Replacement Value = \$500,000

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

Gross Weight = 2 TONS

Cube = 224 CU. FT.

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

NONE

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

EQUIPMENT CALIBRATION AND REPAIR

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

TEMPERATURE AND HUMIDITY CONTROLS

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

ACQUIRED FROM SEAL BEACH NAVAL WEAPONS STATION IN 1987

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP
2.9 WEAPONS SYSTEMS/FIRE CONTROL
3.3 COMBAT SYSTEM INTEGRATION/SURFACE
5.2 SENSORS & SURVEILLANCE SYSTEMS/RADAR SYSTEMS
6.4 NAVIGATION/WEAPONS NAVIGATION SYSTEMS

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%

HISTORICAL UTILIZATION AVERAGE = 80% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80% THROUGH 1997

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

(4) ELECTRONIC MECHANICS

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

(1) ELECTRONIC MECHANIC
(1) MEASUREMENT EQUIPMENT MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	ELECTRIC MOTOR TEST FACILITY

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

TESTING 440 VAC, THREE PHASE, 60 HZ ELECTRIC MOTORS THAT SERVE BOTH HORIZONTAL AND VERTICAL APPLICATIONS. TEST PARAMETERS INCLUDE: TEMPERATURES, SPEEDS, VOLTAGES, CURRENTS, TORQUE, PHASE WINDING RESISTANCE, FRICTION AND WINDAGE LOSSES, AND VIBRATION LEVELS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVABLE

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

Replacement Value = \$ 650 K

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

Gross Weight = N/A Cube = 30' X 30' = 900 SQ. FT.

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

NONE

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

A SOLID, VIBRATION-FREE FOUNDATION

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NO

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

IT WAS INSTALLED AS PART OF THE BUILDING CONSTRUCTION IN 1970

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 90% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECT UTILIZATION = 90% THROUGH 1997.

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

(1) ELECTRICIAN MECHANIC

(2) ELECTRICAL TEST MECHANICS

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

(1) ELECTRICIAN MECHANIC

(1) TEST ELECTRICIAN

(1) ELECTRICIAN HELPER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	GYRO SYSTEM TEST FACILITY

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

CONDUCT TESTING OF INTERNAL NAVIGATION SYSTEMS, GYROSCOPES AND STABILIZATION UNITS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 3.1 MILLION

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

Gross Weight = N/A (FACILITY)

Cube = 900 CU. FT.

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

REGULATED 400 HZ POWER, 28 VOLTS D.C. AND AIR CONDITIONING

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

SPECIAL PITS AND BEARING REFERENCE PLANES

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

TEMPERATURE AND HUMIDITY

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

EXTREMELY DIFFICULT TO RELOCATE AS NEW FACILITY. WOULD HAVE TO BE BUILT TO PROPERLY HOUSE EQUIPMENT. LOSS OF LARGEST GYRO MOTION SIMULATOR AVAILABLE TO DON.

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

NEW CONSTRUCTION IN 1970

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

6.3 NAVIGATION/SURFACE SHIP NAVIGATION SYSTEMS

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 20% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 10% THROUGH 1997

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

(1) INSTRUMENT MECHANIC LEADER

(6) INSTRUMENT MECHANICS

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

(1) INSTRUMENT MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	ELECTRO PLATING FACILITY

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

PROVIDES FULL PLATING SERVICES SUCH AS, HARD CHROME, GOLD, SILVER, CADMIUM, AND COPPER. ALSO PERFORMS ALUMINUM ETCHING WITH BUFFING AND POLISHING SERVICES.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 2,400,000

4. Provide the gross weight and cube of the facility:

Gross Weight = N/A Cube = 9000 SQ. FT.

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

STEAM & WATER

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

SPECIAL BERMS, COLLECTION SUMPS AND PUMPING STATIONS.

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

AIR POLLUTION CONTROL DEVICES; AIR SCRUBBERS.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

CONSTRUCTED IN 1970 AND UPGRADED IN 1980.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 40% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 100% THROUGH 1997

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

(1) ELECTRO-PLATER LEADER
(6) ELECTRO-PLATER MECHANICS
(4) ELECTRO-PLATER WORKERS
(2) BUFFER / POLISHERS
(1) ELECTRO-PLATER HELPER

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

(1) ELECTRO-PLATER LEADER
(1) ELECTRO-PLATER HELPER
(1) PIPEFITTER MECHANIC
(1) ELECTRICIAN MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	GENERATOR TEST BARGE

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

ELECTRICAL TESTING OF POWER GENERATING EQUIPMENT WHICH INCLUDES SHIPS SERVICE GENERATORS UP TO AND INCLUDING 2500 KW. ALSO PROVIDES AIRCRAFT SERVICING POWER REQUIREMENTS FOR SURFACE SHIP FLIGHT DECK CERTIFICATION.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,100,000

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

Gross Weight = 394 TONS Cube = 22,048 CU. FT.

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

NONE

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

BERTHING AND SHORE POWER

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

LBNSY ACQUIRED THE BARGE IN 1992. BARGE WAS RETROFITTED IN 1993.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 40% (1993), (1989-1992 = 0%)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTIIIZATION = 20% THROUGH 1997.

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

(1) ELECTRICAL TEST LEADER
(4) ELECTRICAL TEST MECHANICS
(2) ELECTRICIAN MECHANICS

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

(1) ELECTRICIAN LEADER
(1) ELECTRICIAN HELPER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	BLAST AND RECOVERY SYSTEM

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

ABRASIVE BLASTING STEEL GRIT RECYCLING RECOVERY SYSTEM USED TO REMOVE EXISTING PAINT, RUST, SCALE, SEA GROWTH FROM THE UNDERSIDE AND FREEBOARD OF VARIOUS CLASSES OF SHIPS, STRUCTURAL SHAPES, AND DECK HOUSE ASSEMBLIES.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

PORTABLE

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

Replacement Value = \$ 596,000

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

Gross Weight = 5,000 LB. Cube = 2,560 CU.FT.

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

AIR SUPPLY

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

NONE

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

DRYER UNITS TO CONTROL HUMIDITY LEVELS AND A FILTER SYSTEM TO REDUCE/ELIMINATE FUGITIVE DUST.

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

NONE

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

COMMON CARRIER, 1992

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 50% (1993) (1989-1992 = 0%)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 50% THROUGH 1997

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

(6) MECHANICS

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

(1) MAINTENANCE MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	SHIPS HULL SIDE CLEANING (ELECTRIC)

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

AN ENVIRONMENTALLY ENGINEERED AND CONSTRUCTED PIECE OF EQUIPMENT USED FOR PAINT REMOVAL FROM HULLS, TANKS, AND UNDERWATER BODY HULLS OF NAVAL SHIPS PRIOR TO INSPECTION AND PRESERVATION.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

PORTABLE (SELF PROPELLED)

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

Replacement Value = \$ 2,119,000

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

Gross Weight = 52,000 LB Cube = 6884 CU. FT.

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

A SELF CONTAINED PORTABLE DIESEL GENERATOR TO PROVIDE ELECTRICAL POWER TO TRANSPORT UNITS.

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

BARGE AND COMMON CARRIER - 1975

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 35% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 35% THROUGH 1997

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

(1) MACHINE OPERATOR
(1) MECHANICAL MECHANIC

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

(1) ELECTRICIAN
(1) MECHANICAL MECHANIC
(1) ELECTRONIC MECHANIC

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

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	SIDE BLASTER DIESEL (2 EACH)

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

PROVIDE ENVIRONMENTALLY CLEAN SYSTEM OF REMOVING PAINT, RUST, SCALE AND MARINE GROWTH FROM SHIP HULLS

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

PORTABLE (SELF-PROPELLED)

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

Replacement Value = \$ 2,500,000 EACH

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

Gross Weight = 50,000 LB. Cube = 842 CU. FT.

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

DIESEL FUEL

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

NONE

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

AIR QUALITY PERMIT REQUIRED IN THE STATE OF CALIFORNIA

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

THESE UNITS HAVE BEEN LOANED IN THE PAST AND IT REQUIRES THAT THEY BE DISASSEMBLED AT A COST OF \$100,000 PER UNIT

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
BARGE AND COMMON CARRIER - 1982

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 35% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 35% THROUGH 1997

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

(1) OPERATOR
(1) CLEARANCE UNIT WORKER

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

(1) HYDRAULIC MACHINERY MECHANIC
(1) MECHANICAL MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	MULTI MEDIA BLASTING.PAINTING AND DRYING FACILITY

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

CONDUCT ENVIRONMENTALLY COMPLIANT SANDBLASTING, PAINTING, AND DRYING PROCESSES ON LARGE METAL STRUCTURAL SHAPES IN SUPPORT OF SHIP REPAIR AND MODERNIZATION.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 7,200,000

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

Gross Weight = N/A Cube = N/A (BUILDING)

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

HEAT CONTROLLED EXHAUST SYSTEM, DOWN DRAFT WET SCRUBBER
VENTILATION AIR WATER GAS (NEGATIVE PRESSURE)

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

SOUND DAMPERS, BLASTING, DUST COLLECTION FILTER SYSTEM

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

MULTIMEDIA CONTROL SYSTEM REQUIRED . WASTE COLLECTION FOR
SLUDGE AND PAINT.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

IT WOULD BE EXTREMELY DIFFICULT TO RELOCATE; IT IS A FIXED ASSET PERMITTED FOR PAINTING .

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

COMMON CARRIER 1977

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 125% (1989 - 1993). UTILIZED FULL TIME ON DAY SHIFT AND 25% OF THE TIME ON THE BACK SHIFT.

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 112 % THROUGH 1997.

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

(2) SAND BLASTERS
(1) EQUIPMENT CLEANER
(4) PAINTERS

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

(1) ELECTRICIAN
(1) MECHANICAL MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	CHEMICAL BARGE SWOB - 14

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

PROVIDES A COLLECTION AND STORAGE SYSTEM FOR LIQUID CHEMICAL WASTE RESULTING FROM OFF-LOADING OF SHIP'S HAZARDOUS WASTE AND INDUSTRIAL WORK PROCESSES.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 230,000

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

Gross Weight = 73,000 Cube = 27,216 C/F

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

NONE

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

NONE

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

NONE

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

NONE

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

MODIFIED AT LBNS, 1975

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	RECOMPRESSION CHAMBER BU/SHIPS STOCK#S23-C-32950-200

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

USED FOR MEDICAL TREATMENT OF BAURO-TRAMA RELATED INJURIES & PRESSURE TOLERANCE TESTING, (COMMONLY KNOWN AS BENDS).

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 550,000

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

Gross Weight = 18,000 LB Cube = 500 CU. FT.

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

"LIFE-CRITICAL" SUPPLY SYSTEMS FOR OXYGEN, CO₂

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

NONE

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

TEMPERATURE AND HUMIDITY CONTROLS DUST-FREE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

RELOCATION REQUIRES DISASSEMBLY/ REASSEMBLY AND AN EXTENSIVE CERTIFICATION PROCESS. IF THE UNIT IS MOVED, MEDICAL EMERGENCIES WILL HAVE TO BE TREATED 75 MILES AWAY IN SAN DIEGO VIA AIR MEDIVAC.

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

DELIVERED BY COMMON CARRIER IN 1972. INSTALLED WITH TRUCK CRANE AND HEAVY-DUTY FORKLIFT.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.2 PLATFORMS/AIRCRAFT

1.3 PLATFORMS/SURFACE SHIP

4.2 SPECIAL OPERATIONS SUPPORT/COASTAL/SPECIAL WARFARE SUPPORT

10.4 GENERAL MISSION SUPPORT/DIVING, SALVAGE AND OCEAN ENGINEERING

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

UNIT OF MEASURE: UNDERWATER DIVE OPERATIONS

HISTORICAL UTILIZATION AVERAGE = 36 DIVES PER YEAR (1989 - 1993)

1989 = 41 1990 = 20 1991 = 40 1992 = 58 1993 = 21

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 30 UNDERWATER DIVE OPERATIONS THROUGH 1997

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

(1) SUPERVISOR DIVER

(1) DIVING MEDICAL OFFICER

(4) DIVERS

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

(1) DIVER

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 85%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION AVERAGE = 85% THROUGH 1997.

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

(2) EQUIPMENT CLEANERS

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

(1) MAINTENANCE MECHANIC

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	ELWELL PARKER PLATFORM LIFTS

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

USED FOR REMOVAL AND INSTALLATION OF PROPULSION SHAFTS, PROPELLERS, AND RUDDERS. ALSO MOVES HEAVY ANCHORS, CHAIN AND LARGE MACHINERY INSIDE BUILDINGS. DIESEL POWERED, SELF PROPELLED WITH A PLATFORM DESIGNED TO MOVE LATERALLY AS WELL AS VERTICALLY. CAPABLE OF LIFTING OBJECTS WEIGHING 120,000 LBS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 991,000

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

Gross Weight = 53,400 LB Cube = 1920 CU. FT.

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

NONE

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

TRANSPORTED BY SPECIAL EQUIPMENT TRAILER. INSTALLED BY MANUFACTURER 1989/90.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION = 9%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 8 % THROUGH 1997.

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

(1) OPERATOR

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

(1) H M E MECHANIC

(1) H M E ELECTRICIAN

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	YD-171 FLOATING CRANE

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

USED TO LIFT LARGE EQUIPMENT , COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF SHIP MODERNIZATION AND REPAIR FROM A FLOATING PLATFORM. LIFT CAPABILITY UP TO 368 TONS TO A HEIGHT EXCEEDING 150 FEET. CRANE IS SELF PROPELLED CAPABLE, ONE OF A KIND WITH LEVEL LUFFING, CANTILEVER BOOM. CAPABLE OF REACHING TALLEST STRUCTURE ONBOARD "CV", "CVN", "LHA", AND "LHD" CLASS SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 15-20 million

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

Gross Weight = 5,500 TONS Cube = N/A

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

NONE

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

NONE

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

NONE

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

THIS IS A ONE OF A KIND CRANE.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
TRANSPORTED FROM GERMANY IN AUG. 1946, RE-CONSTRUCTED AT LBNSY, & PLACED IN SERVICE DEC. 1948
10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.
1.3 PLATFORMS/SURFACE SHIP
2.9 WEAPONS SYSTEMS/FIRE CONTROL
11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.
198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%
HISTORICAL UTILIZATION AVERAGE = 1989 - 75% 1990 - 62% 1991 - 42%
1992 - 48% 1993 - 11% AVERAGE UTILIZATION RATE = 48%
12. Provide the projected utilization data out to FY 1997.
PROJECTED UTILIZATION = 0% THROUGH 1997. CRANE IS CURRENTLY EXCESS CAPACITY, BUT COULD BE PLACED BACK INTO SERVICE.
13. What is the approximate number of personnel used to operate the facility/equipment?
(1) SUPERVISOR
(1) CRANE OPERATOR
(1) H M E MECHANIC
(1) H M E ELECTRICIAN
(6) RIGGERS
14. What is the approximate number of personnel needed to maintain the equipment?
(1) H M E MECH. INSPECTOR
(1) H M E ELECTRICIAN INSPECTOR
(1) STRUCTURAL ENG.
(1) MECHANICAL ENG.
(1) TEST DIRECTOR
(1) H M E ELECTRICIANS
(2) H M E MECHANICS
(1) OILER
15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	X-RAY UNIT

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

24 HOUR X-RAY CAPABILITY IN SUPPORT OF NON-SHIP AND SHIP APPLICATIONS OF NON-DESTRUCTIVE INSPECTION FOR ANY TYPE OF STRUCTURAL MEMBERS (STEEL, ALUMINUM, ETC.) OF ANY SIZE/THICKNESS. ALSO, NDT INSPECTIONS OF HIGH PRESSURE SYSTEMS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 500,000

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

Gross Weight = N/A Cube = 3,840 CU. FT.

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

NONE

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

BUILDING 52 X-RAY VAULT 16' X 20' PERMANENT FACILITIES WITH 24"
INCH BARIUM WALLS, 300 KV X-RAY MACHINE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NO

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

COMMON CARRIER, SEPT 1974

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

11. Provide the historical utilization average for the past five fiscal years define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

HISTORICAL UTILIZATION AVERAGE = 40% (1989 - 1993)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 20 % PER YEAR BASED ON 40 HOUR WORK WEEK

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

(1) RADIOGRAPHER

(1) RADIOGRAPHER ASSISTANT

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

(1) RADIOGRAPHER

(1) RADIOGRAPHER ASSISTANT

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	
Facility or Equipment Nomenclature or Title	INDUSTRIAL LABORATORY FACILITY

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

NATIONALLY RECOGNIZED STATE OF CALIFORNIA CERTIFIED ENVIRONMENTAL TESTING LABORATORY PROVIDING A FULL SPECTRUM OF CHEMICAL AND METALLURGICAL LABORATORY ANALYSIS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 1,775,980

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

Gross Weight = 15,927 LB. Cube = 16,500 KSF

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

CONTINUOUS FILTERED AND SURGE PROTECTED ELECTRICAL POWER WITH REDUNDANT BACKUP SYSTEMS IN CASE OF POWER LOSS TO PREVENT DAMAGE TO SENSITIVE LABORATORY EQUIPMENT.

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

MAINTENANCE CONTRACTS FOR ALL LABORATORY EQUIPMENT AS WELL AS UNIQUE CALIBRATION STANDARDS FOR ENVIRONMENTAL TESTING AND OTHER CONSUMABLES TOTAL AN AVERAGE ANNUAL EXPENDITURE OF \$142,000.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

TEMPERATURE AND HUMIDITY CONTROLS ARE REQUIRED BY EQUIPMENT DESIGN AND LABORATORY TESTING PARAMETERS AT 68 DEGREES + OR - 2 DEGREES AND HUMIDITY OF 50% + OR - 3%.

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

LABORATORY HAS JUST COMPLETED A COMPLETE RENOVATION AND MODERIZATION AT A COST OF ONE-MILLION DOLLARS WHICH INCLUDED STATE OF THE ART ENVIRONMENTAL CONTROLS. LABORATORY IS THE ONLY NATIONALLY RECOGNIZED STATE OF CALIFORNIA CERTIFIED ENVIRONMENTAL TESTING LABORATORY. THIS FACILITY WAS DESIGNED AROUND THE LABORATORY EQUIPMENT TO MAXIMIZE ITS POTENTIAL. THE DESIGN ALLOWS TESTING TO BE ACCOMPLISHED IN A MORE COST EFFECTIVE MANNER AT A GREATLY REDUCED COST PER SAMPLE THAN COMMERCIAL LABORATORIES CAN OFFER. COST PER SAMPLE REMAINS STABLE AND IS NOT ESCALATED IN PROPORTION TO THE REQUIRED TURN AROUND TIME THAT IS REQUESTED BY THE CUSTOMER UNLIKE COMMERCIAL LABORATORIES. COST OF RELOCATING THE LABORATORY WOULD BE PROHIBITIVE AND WOULD REQUIRE NOT ONLY DEMOLITION OF VARIOUS AREAS OF THE BUILDING TO MOVE EQUIPMENT, AND TECHNICAL ASSISTANCE IS REQUIRED BY MANUFACTURER TO MOVE, SET-UP AND REALIGN EQUIPMENT PRIOR TO USE AT AN ADDITIONAL SIGNIFICANT EXPENDITURE.

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

LABORATORY EQUIPMENT WAS TRANSPORTED, SET-UP AND ALIGNED BY RESPECTIVE EQUIPMENT MANUFACTURERS. EXTENSIVE BUILDING UPGRADES AND ENVIRONMENTAL CONTROLS WERE ACCOMPLISHED IN FY-93 TO MEET STATE OF CALIFORNIA ENVIRONMENTAL TESTING CERTIFICATION REQUIREMENTS. LABORATORY EQUIPMENT HAS BEEN CONTINUOUSLY UPGRADED OVER THE YEARS AND IS PRESENTLY A STATE OF THE ART LABORATORY.

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP
2.1 WEAPONS SYSTEMS/GUN SYSTEMS
2.8 WEAPONS SYSTEMS/LAUNCHERS
2.9 WEAPONS SYSTEMS/FIRE CONTROL
3.3 COMBAT SYSTEM INTEGRATION/SURFACE
5.1 SENSORS & SURVEILLANCE SYSTEMS/SONAR SYSTEMS
5.2 SENSORS & SURVEILLANCE SYSTEMS/RADAR SYSTEMS
10.5 GENERAL MISSION SUPPORT/ENVIRONMENTAL DESCRIPTION, PREDICTION, AND EFFECTS

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

UTILIZATION AVERAGE IS BASED ON HISTORICAL AVERAGE USAGE DATA OF LABORATORY EQUIPMENT BASED ON ACTUAL ANALYSIS ACCOMPLISHED. AVERAGE EQUIPMENT USAGE IS BASED ON A TWO SHIFT EVOLUTION AND WEEK-END WORK HAS BEEN FACTORED IN. AVERAGE UTILIZATION OF LABORATORY EQUIPMENT IS 10 HOURS PER DAY FOR FY-89 THROUGH FY-93. THE REMAINING TIME IS ACCOUNTED FOR CONDUCTING ANALYSIS INTERPRETATION AND REPORT GENERATION.

12. Provide the projected utilization data out to FY 1997.

PROJECTED LABORATORY UTILIZATION MAY INCREASE SLIGHTLY OVER FY-1989 - 1993 AS A RESULT OF STATE CERTIFICATION BY THE STATE OF CALIFORNIA FOR ENVIRONMENTAL TESTING. PROJECTED INCREASE BASED ON ADDITIONAL TESTING REQUIREMENTS IS ESTIMATED AT 11 HOURS PER DAY AVERAGE.

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

(10) TECHNICIANS

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

ROUTINE MAINTENANCE IS CONDUCTED BY THE 10 PRINCIPLE ANALYSIS AND COMPLEX REPAIRS AND ALIGNMENTS ARE ACCOMPLISHED BY FACTORY TECHNICIANS.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	B-108 Industrial Waste Treatment Plant (IWTP)

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

THE INDUSTRIAL WASTE TREATMENT PLANT PRECIPITATES HEAVY METALS AND REDUCES NITRATES/NITRITES TO MEET FEDERAL, STATE, AND LOCAL DISCHARGE LIMITS AND PROVIDES A COMPREHENSIVE RANGE OF INDUSTRIAL WASTEWATER TREATMENT TECHNOLOGY AND RELATED LAB ANALYSIS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$ 8,540,000

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

Gross Weight = N/A

Cube = N/A

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

ARGON GAS, ACETYLENE, NITROGEN, SO2, HELIUM

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

CLOSED-LOOP HEAVY METAL FILTRATION

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

CERTIFIED BY STATE, PERMIT BY RULE TO OPERATE FACILITY, AIR PERMITS FROM AQMD. THE LAB SPACE IS A TEMPERATURE CONTROLLED AREA FOR TESTING INDUSTRIAL WASTE WATER.

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

THE FACILITY WOULD BE EXTREMELY DIFFICULT TO RELOCATE, AS MOST OF THE FACILITY IS PERMANENT, NOT PORTABLE. LOSS OF THIS FACILITY WOULD RESULT IN A 300% INCREASE IN THE COST OF INDUSTRIAL WASTE TREATMENT.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

CONSTRUCTED IN APRIL 1986.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment

1.3 PLATFORMS/SURFACE SHIP

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

UNIT OF MEASURE: GALLONS

HISTORICAL UTILIZATION AVERAGE = 1989 - 0	1990 - 0	1991 - 240,000
1992 - 600,000	1993 - 2,040,000	

12. Provide the projected utilization data out to FY 1997. Gallons

PROJECTED UTILIZATION = 1994 - 100%, 1995 - 100%, 1996 - 100%,
1997 - 100%

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

(1) UTILITIES SUPERVISOR
(1) CHEMIST
(4) OPERATORS

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

(1) INDUSTRIAL EQUIPMENT CONTROL MECHANIC
(1) ELECTRICIAN
(1) PIPEFITTER
(1) MACHINIST

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNS
Facility or Equipment Nomenclature or Title	Hazardous Waste Transfer Storage Disposal Facility (TSDF) BLDG. 314

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

THIS PERMITTED TRANSFER, STORAGE, AND DISPOSAL FACILITY (TSDF) IS FULLY COMPLIANT, ENVIRONMENTALLY CONTROLLED, AND REGULATED FOR THE STORAGE OF 36,520 GALLONS OF HAZARDOUS WASTE FOR UP TO ONE (1) YEAR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

FIXED

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

Replacement Value = \$635,609

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

Gross Weight = N/A Cube = N/A

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

NONE

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

CONTAINMENT AREA WITH BERM AND SPECIAL SEALED SURFACE TO PREVENT LEACHING OF ANY HAZARDOUS WASTE. COSTS OF UPDATING PART "B" PERMIT EVERY 5 YEARS IS NEEDED TO OPERATE BLDG. 314 (TSDF).

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

CERTIFIED BY STATE OF CALIFORNIA WITH PART "B" PERMIT REQUIREMENT TO OPERATE FACILITY (TSDF).

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

NO

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

3 JUNE 1988 (CONSTRUCTION DATE).

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.
- 1.3 PLATFORMS/SURFACE SHIP
11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used
- UNIT OF MEASURE: TONS PER YEAR
HISTORICAL UTILIZATION AVERAGE = 1989 - 3000, 1990 - 3000, 1991 - 3000, 1992 - 3500, 1993 - 3500
12. Provide the projected utilization data out to FY 1997.
- PROJECTED UTILIZATION IN TONS PER YEAR:
1994 - 1500, 1995 - 1500, 1996 - 2000, 1997 - 2000
13. What is the approximate number of personnel used to operate the facility/equipment?
- (1) SUPERVISOR
 - (1) SECRETARY/DATA ENTRY CLERK
 - (1) ENVIRONMENTAL ENGINEER
 - (6) INSPECTORS
 - (7) WASTE HANDLERS
14. What is the approximate number of personnel needed to maintain the equipment?
- (2) MAINTENANCE MECHANICS
15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	Star Iron 50 Ton Portal Crane (3 ea.)

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

USED TO LIFT LARGE EQUIPMENT, COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. SEMI-FIXED TO TRAVEL ON RAILS, LOCATED ON PIERS AND AROUND DRYDOCKS, CAPABLE OF LIFTING LARGE ASSEMBLIES/SUB-ASSEMBLIES WEIGHING 50 TONS. CAN PLACE LARGE SHAFTS, PROPELLERS, ANCHORS, CHAIN AND HEAVY SUPPORT EQUIPMENT INTO DRYDOCKS. CAN PLACE LARGE ANTENNA, MISSILE LAUNCHERS, GUN MOUNTS AND HEAVY MACHINERY ABOARD SHIP UP TO 135 FEET. CAN TRAVERSE THE LENGTH OF THE PIER OR AROUND THE DRYDOCK WITH THE LOAD SUSPENDED IN THE AIR,

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 5 MIL EA.

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

Gross Weight = 638 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY, DIFFICULTIES IN TRANSPORTING, AND REASSEMBLY AT NEW LOCATION.

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

TRANSPORTED IN SECTIONS AND ASSEMBLED BY MANUFACTURER ON SITE.

1 - 1944, 2 - 1945.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIP

2.9 WEAPONS SYSTEMS/FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%

Average historical utilization = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80%

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

(1) CRANE OPERATOR

(2) CRANE RIGGERS

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

(1) CRANE OPERATOR

(1) ELECTRICIAN

(2) MECHANICS

(1) OILER

(2) INSPECTORS

(3) ENGINEERS

(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	DRAVO 67 TON PORTAL CRANE (1 EA.)

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

USED TO LIFT LARGE EQUIPMENT, COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. SEMI-FIXED TO TRAVEL ON RAILS, LOCATED ON PIERS AND AROUND DRYDOCKS, CAPABLE OF LIFTING LARGE ASSEMBLIES/SUB-ASSEMBLIES WEIGHING UP TO 50 TONS. CAN PLACE LARGE SHAFTS, PROELLERS, ANCHORS, CHAIN AND HEAVY SUPPORT EQUIPMENT INTO DRYDOCKS. CAN PALCE LARGE ANTENNA, MISSILE LAUNCHERS, GUN MOUNTS, AND HEAVY MACHINERY ABOARD SHIP TO A HEIGHT OF 135 FEET. CAN TRAVERSE THE LENGTH OF THE PIER OR AROUND THE DRYDOCK WITH THE LOAD SUSPENDED IN THE AIR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 5 MIL

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

Gross Weight = 750 TONS Cube =

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

NONE

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

NONE

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY, DIFFICULTIES IN TRANSPORTING, AND ASSEMBLY AT NEW LOCATION.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
TRANSPORTED IN SECTIONS AND ASSEMBLED BY MANUFACTURER ON SITE, 1944.
10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.
1.3 PLATFORMS/SURFACE SHIPS
2.9 WEAPON SYSTEM/FIRE CONTROL
11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.
198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%
AVERAGE HISTORICAL UTILIZATION = 90%
12. Provide the projected utilization data out to FY 1997.
PROJECTED UTILIZATION = 80%
13. What is the approximate number of personnel used to operate the facility/equipment?
(1) CRANE OPERATOR
(2) CRANE RIGGERS
14. What is the approximate number of personnel needed to maintain the equipment?
(1) CRANE OPERATOR (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(2) MECHANICS (1) TEST DIRECTOR
(1) OILER (1) RIGGER
(1) WELDER
15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	STAR IRON 25 TON PORTAL CRANE (4 EA.)

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

USED TO LIFT EQUIPMENT, COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. SEMI-FIXED TO TRAVEL ON RAILS, LOCATED ON PIERS AND AROUND DRYDOCKS, CAPABLE OF LIFTING LARGE ASSEMBLIES/SUB-ASSEMBLIES WEIGHING UP TO 50 TONS. CAN PLACE LARGE SHAFTS, PROPELLERS, ANCHORS, CHAIN AND HEAVY SUPPORT EQUIPMENT INTO DRYDOCKS. CAN PLACE LARGE ANTENNA, MISSILE LAUNCHERS, GUN MOUNTS AND HEAVY MACHINERY ABOARD SHIP TO A HEIGHT OF 135 FEET. CAN TRANSVERSE THE LENGTH OF THE PIER OR AROUND THE DRYDOCK WITH THE LOAD SUSPENDED IN THE AIR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 3.5 MIL

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

Gross Weight = 291 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY, DIFFICULTIES IN TRANSPORTING, AND RE-ASSEMBLY AT NEW LOCATION.

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

TRANSPORTED IN SECTIONS AND ASSEMBLED BY MANUFACTURER ON SITE. 2 - 1944, 2 - 1945.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SUBSPACE SHIPS
2.9 WEAPONS SYSTEMS/FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%.
HISTORICAL UTILIZATION AVERAGE = 90%.

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS
(1) TRACK WALKER

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

(1) CRANE OPERATOR
(1) ELECTRICIAN
(2) MECHANICS
(2) INSPECTORS
(3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	EDERER 50 TON BRIDGE CRANE

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 700K

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

Gross Weight = 75 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND ASSEMBLY AT NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER 1970.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	HARNISCHFEGER 20 TON BRIDGE CRANE (2 EACH)

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 500 K

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

Gross Weight = 50 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT
NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.
TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER.
1941

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	MANNING MAXWELL 20 TON BRIDGE CRANE

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 500K

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

Gross Weight = 50 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT
NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER.
1958.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	CYCLOPS 50 TON BRIDGE CRANE (2 EACH)

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 700K

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

Gross Weight = 75 TON

Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER.
1946.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	BAY AREA 20 TON BRIDGE CRANE

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab

MOVEABLE

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

Replacement Value = \$ 500K

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

Gross Weight = 50 TONS Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER. 1977.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT)AVAILABLE=100%
HISTORICAL UTILIZATION AVERAGE = 90 %

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	HECO PACIFIC 35 TON BRIDGE CRANE

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 500K

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

Gross Weight = 50 TONS

Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT
NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER.
1978.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR (1) OILER
(1) MECHANIC (2) INSPECTORS
(1) ELECTRICIAN (3) ENGINEERS
(1) TEST DIRECTOR

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	HECO PACIFIC 50 TON BRIDGE CRANE

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 700K

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

Gross Weight = 75 TONS

Cube =

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION REQUIRES MAJOR DISASSEMBLY AND RE-ASSEMBLY AT
NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON SITE BY MANUFACTURER.
1948.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR
(1) MECHANIC
(1) TEST DIRECTOR
(1) OILER
(2) INSPECTORS
(3) ENGINEERS

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	EDERER 30 TON BRIDGE CRANE (1 EA)

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

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 500,000

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

Gross Weight = 50 TONS Cube = _____

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

NONE

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

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

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

NONE

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

RELOCATION WOULD REQUIRE MAJOR DISASSEMBLY AND REASSEMBLY AT NEW LOCATION.

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

TRANSPORTED VIA RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON-SITE BY MANUFACTURER IN 1970.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

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

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80%

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

(1) CRANE OPERATOR
(2) CRANE RIGGERS

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

(1) CRANE OPERATOR
(1) CRANE REPAIR MECHANIC
(1) ELECTRICIAN
(1) TEST DIRECTOR
(1) OILER
(2) INSPECTORS
(3) ENGINEERS

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

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	COLBY 25 TON PORTAL CRANE (1 EA.)

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

USED TO LIFT LARGE EQUIPMENT, COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. SEMI-FIXED TO TRAVEL ON RAILS, LOCATED ON PIERS AND AROUND DRYDOCKS, CAPABLE OF LIFTING LARGE ASSEMBLIES/SUB-ASSEMBLIES WEIGHING UP TO 50 TONS. CAN PLACE LARGE SHAFTS, PROPELLERS, ANCHORS, CHAIN AND HEAVY SUPPORT EQUIPMENT INTO DRYDOCKS. CAN PACE LARGE ANTENNA, MISSILE LAUNCHERS, GUN MOUNTS, AND HEAVY MACHINERY ABOARD SHIP TO A HEIGHT OF 135 FEET. CAN TRAVERSE THE LENGTH OF THE PIER OR AROUND THE DRYDOCK WITH THE LOAD SUSPENDED IN THE AIR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

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

Replacement Value = \$ 3.5 MILLION

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

Gross Weight = 280 TONS Cube = _____

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

NONE

6. Indicate any "special" budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.)

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

RELOCATION REQUIRES MAJOR DISASSEMBLY, DIFFICULTIES IN TRANSPORTING, AND REASSEMBLY AT NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

TRANSPORTED IN SECTIONS AND ASSEMBLED ON-SITE BY MANUFACTURER IN 1941.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIPS
2.9 WEAPON SYSTEM/FIRE CONTROL

11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE=100%.
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80%

13. What is the approximate number of personnel used to operate the facility/equipment?

(1) CRANE OPERATOR
(2) CRANE RIGGERS
(1) TRACK WALKER

14. What is the approximate number of personnel needed to maintain the equipment?

(1) CRANE OPERATOR	(2) INSPECTORS
(1) ELECTRICIAN	(3) ENGINEERS
(2) MECHANICS	(1) TEST DIRECTOR
(1) OILER	

15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	PENNSYLVANIA 25 TON PORTAL CRANE (2 EA.)

1. State the primary purpose(s) of the facility/equipment.

USED TO LIFT LARGE EQUIPMENT, COMPONENTS, MATERIALS AND SUPPLIES IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. SEMI-FIXED TO TRAVEL ON RAILS, LOCATED ON PIERS AND AROUND DRYDOCKS, CAPABLE OF LIFTING LARGE ASSEMBLIES/SUB-ASSEMBLIES WEIGHING UP TO 50 TONS. CAN PLACE LARGE SHAFTS, PROPELLERS, ANCHORS, CHAIN AND HEAVY SUPPORT EQUIPMENT INTO DRYDOCKS. CAN PACE LARGE ANTENNA, MISSILE LAUNCHERS, GUN MOUNTS, AND HEAVY MACHINERY ABOARD SHIP TO A HEIGHT OF 135 FEET. CAN TRAVERSE THE LENGTH OF THE PIER OR AROUND THE DRYDOCK WITH THE LOAD SUSPENDED IN THE AIR.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

Replacement Value = \$ 3.5 MILLION

4. Provide the gross weight and cube of the facility.

Gross Weight = 250 TONS Cube = _____

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

NONE

6. Indicate any "special" budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.)

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

RELOCATION REQUIRES MAJOR DISASSEMBLY, DIFFICULTIES IN TRANSPORTING, AND REASSEMBLY AT NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

TRANSPORTED IN SECTIONS AND ASSEMBLED ON-SITE IN 1943.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIPS
2.9 WEAPON SYSTEM/FIRE CONTROL

11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE=100%.
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 80%

13. What is the approximate number of personnel used to operate the facility/equipment?

(1) CRANE OPERATOR
(2) CRANE RIGGERS

14. What is the approximate number of personnel needed to maintain the equipment?

(1) CRANE OPERATOR	(2) INSPECTORS
(1) ELECTRICIAN	(3) ENGINEERS
(2) MECHANICS	(1) TEST DIRECTOR
(1) OILER	(1) RIGGER
(1) WELDER	

15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	TODD SHIPYARD 100 TON FLOATING CRANE (1 EA)

1. State the primary purpose(s) of the facility/equipment.

USED TO LIFT EQUIPMENT, COMPONENTS, MATERIALS AND EQUIPMENT IN SUPPORT OF SHIP MODERNIZATION AND REPAIR FROM A WATERBORNE PLATFORM. CAPABLE OF LIFTING UP TO 67 TONS. USED TO WORK FROM THE WATER OR OUTBOARD SIDE IN SUPPORT OF STRUCTURAL TESTING , REFUELING AND REPLENISHMENT SYSTEMS. CAN TRANSPORT LARGE OBJECTS ON DECK PORTION OF BARGE.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

Replacement Value = \$ 5.5 MILLION

4. Provide the gross weight and cube of the facility.

Gross Weight = 900 TONS Cube = _____

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

TUG BOAT

6. Indicate any "special" budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.)

NONE

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

RELOCATION WOULD REQUIRE PARTIAL DISASSEMBLY, TOW PREPARATION, TOWING BY SEA, AND REASSEMBLY AT NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

DELIVERED BY SEA-GOING TUG. REASSEMBLED ON-SITE BY MANUFACTURER IN 1993.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS / SURFACE SHIPS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%
NEWLY PURCHASED (NO HISTORICAL DATA)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 40%

13. What is the approximate number of personnel used to operate the facility/equipment?

(1) CRANE OPERATOR
(2) CRANE RIGGERS
(2) DECK RIGGERS

14. What is the approximate number of personnel needed to maintain the equipment?

(1) CRANE OPERATOR (1) RIGGER
(1) ELECTRICIAN (2) INSPECTORS
(1) OILER (3) ENGINEERS
(2) CRANE REPAIR MECHANICS

15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	WESTMONT 100 TON FLOATING CRANE (1 EA)

1. State the primary purpose(s) of the facility/equipment.

USED TO LIFT EQUIPMENT, COMPONENTS, MATERIALS AND EQUIPMENT IN SUPPORT OF SHIP MODERNIZATION AND REPAIR FROM A WATERBORNE PLATFORM. CAPABLE OF LIFTING UP TO 67 TONS. USED TO WORK FROM THE WATER OR OUTBOARD SIDE IN SUPPORT OF STRUCTURAL TESTING , REFUELING AND REPLENISHMENT SYSTEMS. CAN TRANSPORT LARGE OBJECTS ON DECK PORTION OF BARGE.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

Replacement Value = \$ 5.5 MILLION

4. Provide the gross weight and cube of the facility.

Gross Weight = 1,000 TONS Cube = _____

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

TUG BOAT

6. Indicate any "special" budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.)

NONE

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

RELOCATION WOULD REQUIRE PARTIAL DISASSEMBLY, TOW PREPARATION, TOWING ACROSS OPEN WATERS, AND REASSEMBLY AT NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

DELIVERED BY SEA-GOING TUG. REASSEMBLED ON-SITE BY MANUFACTURER IN 1994.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS/SURFACE SHIPS
2.9 WEAPONS SYSTEMS/FIRE CONTROL

11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE = 100%
NEWLY PURCHASED (NO HISTORICAL DATA)

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 40%

13. What is the approximate number of personnel used to operate the facility/equipment?

(1) CRANE OPERATOR
(2) CRANE RIGGERS
(2) DECK RIGGERS

14. What is the approximate number of personnel needed to maintain the equipment?

(1) CRANE OPERATOR (1) RIGGER
(1) ELECTRICIAN (2) INSPECTORS
(1) OILER (3) ENGINEERS
(2) CRANE REPAIR MECHANICS

15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

**TAB B: SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Activity Name:	LBNSY
Facility or Equipment Nomenclature or Title	MISSOURI 25 TON BRIDGE CRANE (1 EA)

1. State the primary purpose(s) of the facility/equipment.

USED TO LIFT EQUIPMENT, COMPONENTS, AND MATERIALS INSIDE OF SHOP WORK AREAS IN SUPPORT OF NAVAL SHIP MODERNIZATION AND REPAIR. LOCATED IN THE OVERHEAD, SUPPORTED BY TWO RAILS, SPANNING THE WIDTH OF A BAY OR BUILDING ON TWO RAILS. CAPABLE OF TRAVELING THE LENGTH AND TRAVERSING THE WIDTH OF THE WORK AREA WITH THE LOAD SUSPENDED IN THE AIR. HANDLES INDIVIDUAL COMPONENTS AND SUB-ASSEMBLIES UP TO FIFTY TONS IN WEIGHT. TWO CRANES CAN WORK TOGETHER TO HANDLE LARGE DECK HOUSE ASSEMBLIES THAT HAVE BEEN PREFABRICATED FOR INSTALLATION ABOARD SHIPS.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by the definitions provided on the first page of this Tab.

MOVEABLE

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

Replacement Value = \$ 500,000

4. Provide the gross weight and cube of the facility.

Gross Weight = 50 TONS Cube = _____

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

NONE

6. Indicate any "special" budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.)

NONE

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

RELOCATION WOULD REQUIRE MAJOR DISASSEMBLY AND REASSEMBLY AT NEW LOCATION.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

TRANSPORTED BY RAIL AND TRUCK IN SECTIONS. ASSEMBLED ON-SITE BY MANUFACTURER IN 1945.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support.

1.3 PLATFORMS
2.9 WEAPONS SYSTEMS / FIRE CONTROL

11. Provide the historical utilization average for the past five fiscal years (FY 1989- 1993). Define the unit of measure used.

198 DAYS (COMPRESSED WORK WEEK, 10 HOUR SHIFT) AVAILABLE =100%
HISTORICAL UTILIZATION AVERAGE = 90%

12. Provide the projected utilization data out to FY 1997.

PROJECTED UTILIZATION = 60%

13. What is the approximate number of personnel used to operate the facility/equipment?

(1) CRANE OPERATOR
(2) CRANE RIGGERS

14. What is the approximate number of personnel needed to maintain the equipment?

(1) CRANE OPERATOR	(1) OILER
(1) CRANE REPAIR MECHANIC	(2) INSPECTORS
(1) ELECTRICIAN	(3) ENGINEERS
(1) TEST DIRECTOR	

15. Provide one 8 1/2 X 11 black and white photo of the facility/equipment.

PHOTO BEING FORWARDED WITH SEPARATE CERTIFICATION

APPENDIX A

I. FUNCTIONAL SUPPORT AREAS (PRODUCTS)

1. PLATFORMS

- 1.1 Undersea
- 1.2 Aircraft
- 1.3 Surface Ship
- 1.4 Space Satellites
- 1.5 Ground Vehicles

2. WEAPONS SYSTEMS

- 2.1 Gun Systems
- 2.2 Guided Missiles
- 2.3 Free Fall Weapons and Rockets
- 2.4 Torpedoes
- 2.5 Mines
- 2.6 Directed Energy Systems
- 2.7 Explosives
- 2.8 Launchers
- 2.9 Fire Control
- 2.10 Weapons Data Links
- 2.11 Weapons Fuzing
- 2.12 Weapons Propulsion
- 2.13 Other Ordnance
- 2.14 Explosive Ordnance Disposal

3. COMBAT SYSTEM INTEGRATION

- 3.1 Subsurface
- 3.2 Air
- 3.3 Surface
- 3.4 Multiplatform

4. SPECIAL OPERATIONS SUPPORT

- 4.1 Landing Force Equipment and Systems
- 4.2 Coastal/Special Warfare Support

5. SENSORS & SURVEILLANCE SYSTEMS

- 5.1 Sonar Systems
- 5.2 Radar Systems
- 5.3 Special Sensors
- 5.4 Space Sensor/Surveillance Systems
- 5.5 Ocean Surveillance

APPENDIX A, continued

I FUNCTIONAL SUPPORT AREAS (PRODUCTS), continued

6. NAVIGATION

- 6.1 Submarine Navigation Systems
- 6.2 Aircraft Navigation Systems
- 6.3 Surface Ship Navigation Systems
- 6.4 Weapons Navigation Systems
- 6.5 Satellite Navigation Systems

7. COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE (C³I)

- 7.1 Submarine
- 7.2 Airborne
- 7.3 Shipboard
- 7.4 Land-Based
- 7.5 Space Communications Systems
- 7.6 Non-Tactical Data Systems
- 7.7 Air Traffic Control Systems
- 7.8 Intelligence Information Systems

8. DEFENSE SYSTEMS

- 8.1 Ballistic Missile Defense
- 8.2 Countermeasures (CM)
- 8.3 Electronic Warfare (EW) Systems

9. STRATEGIC PROGRAMS

- 9.1 Navy Strategic Systems
- 9.2 Nuclear Weapons and Effects

10. GENERAL MISSION SUPPORT

- 10.1 Personnel and Training
 - 10.1.1 Submarine-Related Training Systems
 - 10.1.2 Aircraft-Related Training Systems
 - 10.1.3 Surface Ship-Related Training Systems
 - 10.1.4 Weapons-Related Training Systems
 - 10.1.5 Human Resources Research and Development
- 10.2 Logistics Planning and Implementation
- 10.3 Facilities Engineering
- 10.4 Diving, Salvage and Ocean Engineering
- 10.5 Environmental Description, Prediction, and Effects
- 10.6 Crew Equipment and Life Support
 - 10.6.1 Submarine
 - 10.6.2 Aircraft
 - 10.6.3 Surface Ship
 - 10.6.4 Medical Research and Combat Casualty Care
 - 10.6.5 Clothing and Textiles
- 10.7 Major Range Development and Operation
- 10.8 Other Subsidiary Systems or Components
- 10.9 Activity Mission and Function Support

ACTIVITY: Long Beach Naval Shipyard

UIC: N60258

APPENDIX A, continued

I FUNCTIONAL SUPPORT AREAS (PRODUCTS), continued

- 11. **GENERIC TECHNOLOGY BASE.**
[Includes basic research and exploratory development (Budget Categories 6.1 & 6.2) projects that do not fit under the more warfare-focused functional support areas.]
- 11.1 Computers.
- 11.2 Software.
- 11.3 Communications Networking.
- 11.4 Electronic Devices.
- 11.5 Materials and Processes.
- 11.6 Energy Storage.
- 11.7 Propulsion and Energy Conversion.
- 11.8 Design Automation.
- 11.9 Human-System Interfaces.
- 11.10 Other Technology Base Programs.

II. LIFE-CYCLE WORK AREAS

RDT&E

- 1. BASIC RESEARCH
- 2. EXPLORATORY DEVELOPMENT
- 3. ADVANCED DEVELOPMENT
- 4. ENGINEERING AND MANUFACTURING DEVELOPMENT
- 5. RDT&E MANAGEMENT SUPPORT
- 6. OPERATIONAL SYSTEMS DEVELOPMENT

ACQUISITION

- 7. PRODUCTION
- 8. ACCEPTANCE TESTING
- 9. MODERNIZATION
- 10. PROGRAM SUPPORT

LIFE -TIME SUPPORT

- 11. MAINTENANCE
- 12. REPAIR
- 13. TESTING
- 14. IN-SERVICE ENGINEERING
- 15. PROGRAM SUPPORT
- 16. RETIREMENT

GENERAL

- 17. TRAINING/OPERATIONAL SUPPORT
- 18. SIMULATION, MODELING AND ANALYSIS

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS

1. **PLATFORMS.** Those self-propelled, boosted or towed conveyances used for the strategic and tactical deployment of forces, weapons, materials and supplies in support of naval warfare. Projects within this area are limited to those in which the principal objective is to provide technological wherewithal to develop Navy aerospace craft, ships, submarines, boats, and amphibians.

1.1 *Undersea* Self-propelled, boosted, or towed conveyances for transporting a burden under the sea. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are submarines and other submersibles including their application as unmanned autonomous vehicles (UAV) and targets.

1.2 *Aircraft* Self-propelled, boosted, or towed conveyances for transporting a burden through the air. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and control systems and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are all air vehicles including their application as UAVs and targets.

1.3 *Surface Ship* Self-propelled, boosted, or towed conveyances for transporting a burden on land or sea. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems. Included are ships and craft including their application as UAVs and targets.

1.4 *Space Satellites* A device or spacecraft in orbit. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, and control systems, inherent in its construction and operation.

1.5 *Ground Vehicles* Self-propelled, boosted, or towed conveyances for transporting a burden on land. The vehicle package includes the design, structures, materials, non-nuclear propulsion, power and auxiliary equipment, transmissions and propulsors, fuels and lubricants, energy conservation and pollution abatement equipment, control systems, and silencing inherent in its construction and operation, but excluding mission oriented systems.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

2. **WEAPONS SYSTEMS.** A system that provides the capability to defeat naval and military targets by destructive means. Included are counter-countermeasures and other design features to reduce the susceptibility of the weapon to counter actions, but excluded are those projects in which the principal objective is to counter a weapons system or those efforts to make a system (other than weapons) less vulnerable to enemy weapons.

2.1 *Gun Systems* Ordnance which fires projectiles; includes related ammunition (guided projectiles are included in "guided missiles". Included are gun systems aboard aircraft and ships, and gun systems used by personnel.

2.2 *Guided Missiles* Weapons, either self-propelled, (i.e., reaction launched) or impulse driven (i.e. gun/tube impulse launched) capable of homing on, or following a beam or command signals through the air to a target (includes guided projectiles). Included are missiles that are launched by submarine, aircraft, and ship.

2.3 *Free Fall Weapons and Rockets* Free fall weapons are those air-delivered weapons, including components and subsystems, which follow a ballistic trajectory after gravity launch without any guidance other than that from the initial orientation and velocity of the launching aircraft. A rocket is a self-propelled airborne vehicle whose trajectory or course, while in flight, cannot be controlled.

2.4 *Torpedoes* Self-propelled, guided or unguided underwater weapons. Included are torpedoes launched by submarine, aircraft, and ship.

2.5 *Mines* Self-activating standoff or contact explosive devices that are designed to destroy or damage ground vehicles, boats, ships, or aircraft, or designed to wound, kill, or otherwise incapacitate personnel.

2.6 *Directed Energy Systems* Devices and techniques for generating and focusing high-intensity beams of electromagnetic energy or charged particles upon targets with lethal effects.

2.7 *Explosives* Metastable compounds which can rapidly release large quantities of energy mostly in the form of hot, high-pressure gases. Explosives are used in naval munitions such as mines, torpedoes, missiles, etc., and also in other Navy products such as aircraft escape systems, fuse trains, etc.

2.8 *Launchers* That group of devices, components, or subsystems needed to support, hold, and launch expendable weapons, countermeasure devices, or other stores; the control systems for managing these systems and the stores they carry.

2.9 *Fire Control* Those platform-based systems which provide data for and/or control the launch platform/weapon/weapon-target interaction in all phases required by a weapons system (e.g., acquisition, track, commit-to-fire-pre-launch, post-launch, mid-course, terminal intercept, and assessment). Included are systems that are based undersea, aboard aircraft, shipboard, and on land.

2.10 *Weapons Data Links* Efforts include the data links that are part of the weapon's command, control and communications systems.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

2.11 *Weapons Fuzing* Efforts leading to the design of systems to sense a target or the result of other prescribed conditions such as time, barometric pressure, command, etc., and initiate a train of fire. Safing and arming are primary functions performed by a fuse to preclude initiation of the ammunition before the desired position or time.

2.12 *Weapons Propulsion* Included are propellants, subsystems and systems that comprise the means by which a weapons system moves through the air or sea.

2.13 *Other Ordnance* Includes efforts that do not fit in the above categories (e.g., pyrotechnics, gas generators, CAD/PAD/AEPS).

2.14 *Explosive Ordnance Disposal* Efforts relating to the technical support of explosive ordnance disposal technology and training.

3. **COMBAT SYSTEM INTEGRATION.** That effort required to introduce a new system into the operating forces. It involves the integration and evaluation of a new hardware or software subsystem installed in a Navy platform. It includes the mating, installation, and operational support of the resulting higher level system to ensure optimum operating performance.

3.1 *Subsurface* The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into undersea platforms.

3.2 *Air* The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into air platforms.

3.3 *Surface* The integration and evaluation of the various hardware and software subsystems that make up a higher level system, and the mating, installation, and operational support of this higher level system, including its operational software and training systems into surface platforms.

3.4 *Multiplatform* The integration of multiplatform hardware and software subsystems to make up a higher level system, including the mating, installation, and operational support (including training systems) of this higher level system.

APPENDIX B

1. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

4. SPECIAL OPERATIONS SUPPORT. Those efforts which are in support of amphibious landing, Marine Corps operations, special warfare and other unique operations. It includes weapons, countermeasures, surveillance and a command support which are developed specifically for the projection of forces ashore and that do not have an application by the Navy general forces in the role of sea control.

4.1 *Landing Force Equipment and Systems* Involved is that RDT&E effort which is not functionally a part of the amphibious platform. Specifically, this includes reconnaissance of amphibious objective areas, environmental support of amphibious operations, amphibious logistics and the integration of the amphibious and Marine Corps systems required to land amphibious forces on a hostile shore and establish a beachhead. (Contingency facilities in support of forces ashore are included in "facilities".)

4.2 *Coastal/Special Warfare Support* Techniques and systems required to defend coastal, inshore and harbor facilities as well as those needed to conduct operations such as reconnaissance, deception, coastal or offshore interdiction and assault, counterinsurgency, intelligence gathering, remote sensor operation and waterborne intrusion detection. Special warfare systems include systems, techniques, and concepts utilized by specifically cross-trained personnel in unconventional warfare and coastal/riverine operations.

5. SENSORS & SURVEILLANCE SYSTEMS. Those systems used to systematically observe air, space, surface and subsurface areas to detect, classify, localize and identify real or potential military targets. Excluded are those projects in which the principal objective is navigation, weapon fire control or broadbased investigation of the properties of the media or the propagation of energy therein.

5.1 *Sonar Systems* Those sonar systems and devices used to conduct search, reconnaissance, and surveillance operations to detect, classify, locate, and/or track targets. Included are those systems and devices that are mobile aboard undersea, air, and surface platforms, and those that are fixed.

5.2 *Radar Systems* Those radar systems and devices used to conduct search, reconnaissance, or surveillance operations to detect, classify, locate, and/or track targets. Included are those systems and devices that are mobile aboard undersea, air, and surface platforms, and those that are fixed.

5.3 *Special Sensors* Those systems and devices which utilize unique phenomena or methods or combinations of methods to conduct search, reconnaissance, or surveillance operations to detect, classify, locate, and/or track targets. Included are active sensors, passive sensors (e.g., thermal imagers, low light level TV, and infrared search and track systems), and the associated signal and image processing.

5.4 *Space Sensor/Surveillance Systems* Those devices and systems in Earth orbit that are used to conduct search, reconnaissance, or surveillance operations to detect, classify, locate and/or track targets.

5.5 *Ocean Surveillance* Systems and equipment for systematic observation of ocean areas for identification and localization of ships, submarines, and aircraft from fixed and mobile platforms including operational software development, and integration of multi-sensor, coordinated detection data and its display at appropriate sites.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

6. NAVIGATION. Those systems which utilize electromagnetic, acoustic, or inertial means to guide or navigate surface, subsurface, or aerospace platforms. Included are those systems deployed aboard submarines, aircraft, surface ships and satellites, as well as those used in weapons systems.

6.1 *Submarine Navigation Systems.* Navigation systems deployed aboard submarines, or other undersea vehicles.

6.2 *Aircraft Navigation Systems.* Navigation systems deployed aboard aircraft.

6.3 *Surface Ship Navigation Systems.* Navigation systems deployed aboard surface ships.

6.4 *Weapons Navigation Systems.* Navigation systems installed within weapon systems, such as guided missiles.

6.5 *Satellite Navigation Systems.* Navigation systems deployed aboard satellites.

7. COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE (C³I). The acquisition, processing and dissemination of information required to plan, direct, and control operations. Included are those projects in command and control, communications and intelligence. Excluded are surveillance systems, and guidance and control of vehicles and weapons. These C³ systems may be internal or external to submarine, airborne, surface, and land-based platforms.

7.1 *Submarine.* C³ systems deployed aboard submarines, or other undersea vehicles.

7.2 *Airborne.* C³ systems deployed aboard aircraft.

7.3 *Shipboard.* C³ systems deployed aboard surface ships.

7.4 *Land-Based.* C³ systems deployed at shore facilities.

7.5 *Space Communications.* Communications systems in Earth orbit used to convey information.

7.6 *Non-Tactical Data Systems.* Data systems utilized aboard the Navy's operating forces and at shore sites that support ship, submarine and aircraft maintenance, configuration and asset management, supply, inventory, finance, medical, dental, manpower management, administration, food services (ship's mess), and resale operations (ship's stores).

7.7 *Air Traffic Control Systems.* Systems used to promote the safe, orderly, and expeditious movement of air traffic.

7.8 *Intelligence Information Systems.* The systems necessary to conduct the naval warfare task of intelligence. This task involves the assessment and management of information obtained via surveillance, reconnaissance, and other means to produce timely indications and warning, location, identification, intentions, technical capabilities, and tactics of potential enemies and other countries of interest.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

8. DEFENSE SYSTEMS. Those systems that are principally designed to defeat a particular weapon system; those systems that are designed to reduce the effectiveness of an enemy's surveillance, communications, navigation and command and control; as well as those efforts directed toward gathering information on the emissions of enemy systems. It does not include those projects in which the principal objective is to incorporate design features in vehicles, surveillance, communication, navigation and other support systems which reduce their vulnerability to enemy action. It also does not include chemical/biological defense for personnel.

8.1 *Ballistic Missile Defense* Systems designed to protect civilian population centers, military forces, and territory from ballistic missile attack.

8.2 *Countermeasures (CM)* Those systems that are principally designed to defeat a particular weapon system; reduce the effectiveness of an enemy's surveillance, communications, navigation and command and control; as well as gather information on the emissions of enemy systems. Included are those projects to develop systems deployed aboard submarine, aircraft, and surface ship, and those for countering enemy mine warfare through the destruction or neutralization of minefields.

8.3 *Electronic Warfare (EW) Systems* Those systems, techniques, and devices utilized to determine, exploit, reduce, or prevent hostile use of the electromagnetic spectrum. Included are those projects to develop systems deployed aboard submarine, aircraft, and surface ship, as well as those to develop EW simulators.

9. STRATEGIC PROGRAMS. Programs conducted to support the deployment and use of the Navy's strategic deterrence force, as well as those programs conducted on nuclear weapons and effects.

9.1 *Navy Strategic Systems* Those ships and weapon systems, subsystems, devices, techniques, trainers and facilities required specifically for the deployment and use of the Navy's strategic deterrence force.

9.2 *Nuclear Weapons and Effects* Nuclear weapons effects and countermeasures, including thermal and nuclear radiation effects and the hardening of components and of weapons systems both nuclear and non-nuclear.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

10. GENERAL MISSION SUPPORT. Those major areas of support required by Navy general forces that are not included under platforms, weapons systems, combat system integration, special operations support, sensors and surveillance systems, navigation, C³I, defense systems, strategic programs, and technology base programs.

10.1 *Personnel and Training*. Human resources research and development for the areas of manpower, personnel, education, and training and its support and service functions for human factors effort in system design, development and acquisition. Included are those systems related to submarine, aircraft, surface ship and weapons training, as well as human resources research.

- 10.1.1 Submarine-Related Training Systems
- 10.1.2 Aircraft-Related Training Systems
- 10.1.3 Surface Ship-Related Training Systems
- 10.1.4 Weapons-Related Training Systems
- 10.1.5 Human Resources Research and Development

10.2 *Logistics Planning and Implementation*. Projects for those aspects of military operations which deal with the movement, maintenance, supply, and support of Naval forces afloat and ashore, including underway replenishment, warehousing and mobile logistics maintenance and repair activities; material acquisition, control, handling, distribution and disposal processes; and logistics planning, control, and information processing functions.

10.3 *Facilities Engineering*. Products for (a) ocean facilities including the siting, design, construction/implant, and maintenance of facilities attached to the sea floor such as cable structures, pipelines, communications/power cables and Fleet moorings; (b) contingency facilities and equipment to support Navy and Marine Corps forces ashore in amphibious objective areas and at advanced naval bases; (c) permanent shore facilities such as buildings, piers, drydocks, airfields, POL and weapons storage, and utilities; (d) energy systems ashore including conservation, synthetic fuels, energy self-sufficiency; and (e) environmental protection systems ashore such as industrial wastewater treatment plants, air and noise pollution control devices, and solid waste management systems.

10.4 *Diving, Salvage and Ocean Engineering*. Those support systems and equipment that are required by the Navy in the performance of ocean bottom search, diving, rescue, recovery, salvage operations, and siting, design, construction/implantment, inspection, maintenance and recovery of underwater facilities and associated systems.

10.5 *Environmental Description, Prediction, and Effects*. The study, modeling, and simulation of atmospheric, oceanic, terrestrial, and space environmental effects, both natural and man-made, including the interaction of a weapon system with its operating medium and man-produced phenomena such as obscurants found on the battlefield.

10.6 *Crew Equipment and Life Support*. Techniques, equipment and devices to provide protection for and support of Navy operating personnel, including chemical/biological defense. Included are systems aboard submarines, aircraft, and surface ships, as well as medical research and combat casualty care, and clothing and textiles.

- 10.6.1 Submarine
- 10.6.2 Aircraft
- 10.6.3 Surface Ship
- 10.6.4 Medical Research and Combat Casualty Care
- 10.6.5 Clothing and Textiles

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

10. GENERAL MISSION SUPPORT, continued

10.7 *Major Range Development and Operation* The design, equipping, and operation of ranges offering diverse and accurate measurement and reconstruction capabilities to establish performance profile data on newly designed, as well as existing, naval vehicles and systems operating in a realistic environment.

10.8 *Other Subsidiary Systems or Components* Subsidiary systems or components that do not fit within the above product areas (e.g., batteries).

10.9 *Activity Mission and Function Support* Efforts that clearly support the Activity's responsibilities but which cannot be uniquely assigned to a specific functional area.

11. **GENERIC TECHNOLOGY BASE.** Includes basic research and exploratory development (Budget Categories 6.1 & 6.2) projects that do not fit under the more warfare-focused functional support areas. These areas include computers, software, communications networking, electronic devices, materials and processes, energy storage, propulsion and energy conversion, design automation, human-system interfaces, and other technology base areas.

11.1 *Computers* High performance computing systems (and their software operating systems) providing orders-of-magnitude improvements in computational and communications capabilities as a result of improvements in hardware, architectural designs, networking, and computational methods.

11.2 *Software* The tools and techniques that facilitate the timely generation, maintenance, and enhancement of affordable and reliable applications software, including software for distributed systems, data base software, artificial intelligence, and neural nets.

11.3 *Communications Networking* The timely, reliable, and secure production and worldwide dissemination of information, using shared communications media and common hardware and applications software from originators to DoD consumers, in support of joint-Service mission planning, simulation, rehearsal, and execution.

11.4 *Electronic Devices* Ultra-small (nanoscale) electronic and optoelectronic devices, combined with electronic packaging and photonics, for high speed computers, data storage modules, communications systems, advanced sensors, signal processing, radar, imaging systems, and automatic control.

11.5 *Materials and Processes* Development of man-made materials (e.g., composites, electronic and photonic materials, smart materials) for improved structures, higher temperature engines, signature reduction, and electronics, and the synthesis and processing required for their application.

11.6 *Energy Storage* The safe, compact storage of electrical or chemical energy, including energetic materials for military systems.

11.7 *Propulsion and Energy Conversion* The efficient conversion of stored energy into usable forms, as in fuel efficient aircraft turbine engines and hypersonic systems.

APPENDIX B

I. FUNCTIONAL SUPPORT AREA DEFINITIONS, continued

11. GENERIC TECHNOLOGY BASE, continued.

11.8 *Design Automation* Computer-aided design, concurrent engineering, simulation, and modeling; including the computational aspects of fluid dynamics, electromagnetics, advanced structures, structural dynamics, and other automated design processes.

11.9 *Human-System Interfaces* The machine integration and interpretation of data and its presentation in a form convenient to the human operator; displays; human intelligence emulated in computational devices; and simulation and synthetic environments.

11.10 *Other Technology Base Programs* All technology base programs (Budget Categories 6.1 and 6.2 only) that do not fit into the above warfare-focused functional support areas (#1 - #10), or within the above generic technology base areas (#11.1 - #11.9).

II. LIFE-CYCLE WORK AREA DEFINITIONS

RDT&E

1. **BASIC RESEARCH.** (Budget Category 6.1 only) This area includes scientific study and experimentation to increase knowledge and understanding in the physical, engineering, environmental and life sciences related to long-term national security needs.
2. **EXPLORATORY DEVELOPMENT.** (Budget Category 6.2 only) This area includes efforts to solve specific military problems, short of major development. Exploratory development may vary from fairly fundamental applied research to sophisticated breadboard hardware, study programming and planning efforts.
3. **ADVANCED DEVELOPMENT.** (Budget Category 6.3 only) This area includes efforts on projects which have moved into the development of hardware for test. The prime objective is proof of design concept rather than the development of hardware for service use.
4. **ENGINEERING AND MANUFACTURING DEVELOPMENT.** (Budget Category 6.4 only) This area includes programs in full scale development, but which have not received approval for production or had production funds included in the DoD budget submission for the budget or subsequent fiscal year.
5. **RDT&E MANAGEMENT SUPPORT.** (Budget Category 6.5 only) This area includes support of installations or operations required for general research and development use. Included would be test ranges, military construction, maintenance support of laboratories, operations and maintenance of test aircraft and ships, and studies and analyses in support of the R&D program.
6. **OPERATIONAL SYSTEMS DEVELOPMENT.** (Budget Category 6.6 only) This area includes projects still in full-scale development, but which have received approval for production through Defense Acquisition Board or other action, or for which production funds have been included in the DoD budget submission for the budget or subsequent fiscal year. All work in this area is identified by major line item projects that appear as "RDT&E Costs of Weapon System Elements" in other programs.

APPENDIX B

II. LIFE-CYCLE WORK AREA DEFINITIONS, continued

ACQUISITION

7. PRODUCTION. During this phase, the system, including training equipment, spares, etc., is produced for operational use.
8. ACCEPTANCE TESTING. This phase involves the test and evaluation of production items to demonstrate that the items procured fulfill the requirements and specifications of the procuring contract on agreement
9. MODERNIZATION. This phase of the work involves the modification, upgrade, or improvement of a system or subsystem.
10. PROGRAM SUPPORT. This phase involves al work not fully under the category of production (#7), acceptance testing (#8), or modernization (#9), that occurs during the acquisition of new systems or subsystems.

LIFE-TIME SUPPORT

11. MAINTENANCE. This phase of work involves the maintenance of systems and subsystems.
12. REPAIR. This phase of work involves the repair of systems or subsystems.
13. TESTING. This phase is typically funded from Budget Category 6.5 or procurement program elements. Work in this area supports developmental and/or operational testing and focuses on the evaluation od system safety, technical performance, environmental (climatic, electromagnetic, etc.) effects, sustainability and operational suitability, maturity of production processes, and compliance with the specifications and quality standards.
14. IN-SERVICE ENGINEERING. This phase is typically funded from Budget Category 6.6 or operations and maintenance (O&M) program elements. In-service engineering tends to focus on system peculiar capabilities in order to conduct check-out of the system and/or subsystem after they have undergone a modification, upgrade or improvement.
15. PROGRAM SUPPORT. This phase involves all work ant falling under the categories of maintenance (#11), repair (#12), testing (#13), in-service engineering (#14) and retirement (#16) that occur during the life-time support of new systems and/or subsystems.
16. RETIREMENT. This phase includes the retirement and disposal of obsolete systems and/or subsystems.

ACTIVITY: Long Beach Naval Shipyard
UIC: N60258

APPENDIX B

II. LIFE-CYCLE WORK AREA DEFINITIONS, continued

GENERAL

17. TRAINING/OPERATIONAL SUPPORT. Efforts in this area, involve the training of operational forces in the use of new techniques, equipment and systems, tactics or doctrine. Training and operational support is typically funded from O&M program elements.

18. SIMULATION, MODELING AND ANALYSIS. This phase of work provides a simulated test environment or representation of systems, components and platforms. This work can be carried out throughout the development and test process as analytical tools, as well as tools to drive or control electronic and other environmental stimuli.

ACTIVITY LISTING:

Type	Title	Location
Naval Shipyard	NSYD LONG BEACH	Long Beach CA
Naval Shipyard	NSYD NORFOLK	Portsmouth VA
Naval Shipyard	NSYD PEARL HARBOR	Pearl Harbor HI
Naval Shipyard	NSYD PORTSMOUTH	Kittery ME
Naval Shipyard	NSYD PUGET SOUND	Bremerton WA
Naval Ship Repair Facility	SRF GUAM	Guam

Data Being Certified: BRAC 95 Data Call Number 42, Long Beach Naval Shipyard

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

Date

6/24/94

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

G. P. STERNER

NAME (Please type or print)

Signature

G. P. Sterner

Commander

Title Naval Sea Systems Command

Date

7-5-94

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

W. A. Earner

Title

Date

8/10/94

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

CAPT B. Janov
NAME (Please type or print)

B. Janov
Signature

Shipyard Commander
Title

23 June 1994
Date

Long Beach Naval Shipyard
Activity

Data Call #42

114
table 8.2 (3 pages)

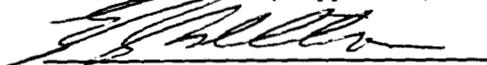
UIC N60258

Data Being Certified: BRAC 95 Data Call Number 42 Amendment 1. Long Beach Naval Shipyard

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

Edward L. Shelton



NAME (Please type or print)

Signature

Deputy Commander for Naval Shipyard
and SUPSHIP Management and Field
Activity Support Directorate
(Acting)

9/15/94

Title

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

G. R. STERNER
Commander

9/15/94

Title

Naval Sea Systems Command

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER



NAME (Please type or print)

Signature

9/20/94

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

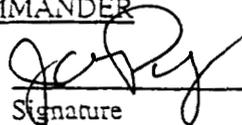
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)
Shipyards Commander
Title
Long Beach Naval Shipyards
Activity


Signature
14 September 1994
Date

BRAC DATA CALL #42
Amendment One
Table 8.2
Pages 1-3

114

UIC N60258

Data Being Certified: BRAC 95 Data Call Number 42, Revisions, Long Beach Naval Shipyard
Includes 7/25/94, 8/29/94 and 9/29/94 Activity Revisions

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

Robert S. Johnson

NAME (Please type or print)

Signature 

Director, Field Activity Support Group
Naval Shipyard and SUPSHIP Management
and Field Activity Support Directorate

Title

Date

10/2/94

Naval Sea Systems Command

Activity

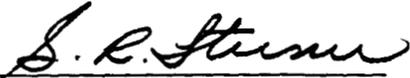
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

G. R. STERNER
Commander

Signature 

Naval Sea Systems Command
Title

Date

10-4-94

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

P. W. DRENNON

Signature 

Title

Date

Acting

12 OCT 1994

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

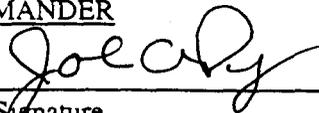
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

CAPT John Pickering
NAME (Please type or print)
Shipyard Commander
Title
Long Beach Naval Shipyard
Activity
DATA CALL #42
Pages 19R
21R


Signature
29 September 1994
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

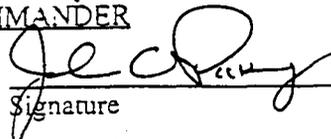
ACTIVITY COMMANDER

CAPT John Pickering

NAME (Please type or print)

Shipyard Commander

Title



Signature

29 August 1994

Date

Long Beach Naval Shipyard

Activity

BRAC Data Call #42

Revised Data

Pages:

21R

57R

79R

80R

81R

82R

92R

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

B. JANOV
NAME (Please type or print)
Shipyard Commander
Title
Long Beach Naval Shipyard
Activity

Bernard Janov
Signature
25 July '94
Date

BRAC DATA CALL #42 Revised Included:

Page 19R

TAB A - Pages 2R, 3R, 10R, 11R