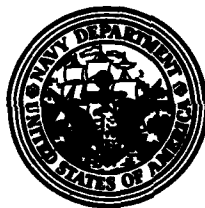


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# DEPARTMENT OF THE NAVY JUSTIFICATIONS OF ESTIMATES FOR FISCAL YEAR 1984 (U)



SUBMITTED TO CONGRESS JANUARY 1983

## PROCUREMENT

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**SHIPBUILDING AND CONVERSION, NAVY**

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) DEPARTMENT OF THE NAVY JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1984 PROCUREMENT, SHIPBUILDING AND CONVERSION, NAVY		5. TYPE OF REPORT & PERIOD COVERED FINAL FY 1984
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS DEPARTMENT OF THE NAVY OFFICE OF THE COMPTROLLER NGBL 2 WASHINGTON DC 20350		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS SAME AS 9		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) SAME AS 9		12. REPORT DATE JANUARY, 1983
		13. NUMBER OF PAGES 33
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)  APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) PROCUREMENT SCN SHIPBUILDING & CONVERSION		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) THIS VOLUME CONTAINS JUSTIFICATION MATERIAL SUPPORTING THE PRESIDENT'S FISCAL 1984 BUDGET PRESENTATION TO CONGRESS CONCERNING PROCUREMENT, SPECIFICALLY SHIPBUILDING & CONVERSION, NAVY ↑		

DEPARTMENT OF THE NAVY  
SHIPBUILDING AND CONVERSION, NAVY  
JUSTIFICATION OF ESTIMATE FOR FISCAL YEAR 1984

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SHIPBUILDING AND CONVERSION, NAVY  
(INCLUDING TRANSFER OF FUNDS)

For expenses necessary for the construction, acquisition, or conversion of vessels as authorized by law, including armor and armament thereof, plant equipment, appliances, and machine tools and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; procurement of critical, long leadtime components and designs for vessels to be constructed or converted in the future; and expansion of public and private plants, including land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title as required by section 355, Revised Statutes, as amended, as follows: [ for the TRIDENT submarine program, \$1,462,600,000; for TRIDENT submarine program advance procurement, \$81,300,000; for the CVN aircraft carrier program, \$6,559,500,000, to be available for construction only under a firm, fixed price type contract; for the SSN-688 nuclear attack submarine program, \$1,420,200,000; for the reactivation of the U.S.S. Iowa, \$300,800,000; for the aircraft carrier service life extension program, \$699,500,000; for the CG-47 AEGIS cruiser program, \$2,901,700,000; for the LSD-41 landing ship dock program, \$415,600,000; for the FFG guided missile frigate program, \$646,300,000, of which not less than \$40,000,000 shall be available only for an X-band phased array radar, and in addition, \$35,000,000 shall be derived by transfer from the "FFG guided missile frigate program of "Shipbuilding and Conversion, Navy, 1982/1986"; for the T-AO fleet oiler ship program, \$173,000,000; for the MCM mine countermeasures ship program, \$100,000,000; for the ARS salvage ship program, \$50,000,000; for the T-AKRX fast logistics ship program, \$44,000,000; for the T-AHX hospital ship program, \$300,000,000, however, none of these funds may be obligated or expended until such time as the Department of the Navy provides a budget quality cost estimate, based upon a completed contract design which supports the original hospital ship requirements as presented to the Congress; for the LHD-1 amphibious assault ship program, \$55,000,000; for craft, outfitting, post delivery, cost growth, and escalation on prior year programs, \$907,900,000; and reductions in the amounts, as follows: \$5,900,000 for personnel security clearances; \$34,800,000 for consultant, studies and analyses; in all: \$16,202,900,000, and in addition, \$35,000,000 to be derived by transfer,] \$12,698,800,000 to remain available for obligation until September 30, [1987] 1990: Provided, That of the appropriation of "Shipbuilding and Conversion, Navy," that expired for obligation on September 30, [1982, \$176,200,000] 1983, Provided further, That none of the funds herein provided for the construction or conversion of any naval vessel to be constructed in shipyards in the United States shall be expended in foreign shipyards for the construction of major components of the hull or superstructure of such vessel: Provided further, That none of the funds herein provided shall be used for the construction of any naval vessel in foreign shipyards. (5 U.S.C. 3103, 10 U.S.C. 5102, 5031, 7296, 7298, 31 U.S.C. 718; Department of Defense Appropriation Act, 1983; additional authorizing legislation to be proposed.)

Program and Financing (in thousands of dollars)

Summary

Identification code	17-1011-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
1.	Fleet ballistic missile ships	330,700	1,534,800	1,833,000	1,228,132	930,691	1,665,516
2.	Other warships	5,141,400	11,839,000	5,730,500	4,520,791	9,058,916	5,782,540
3.	Amphibious ships	342,800	468,800	1,902,500	305,321	408,846	1,207,096
4.	Mine warfare and patrol ships	962,700	788,100	448,000	1,138,957	1,318,393	716,048
5.	Auxiliaries, craft and prior-year program costs	1,826,300	1,637,600	2,766,600	1,448,588	1,440,501	1,863,134
	<b>Total direct</b>	<b>8,603,900</b>	<b>16,248,100</b>	<b>12,698,600</b>	<b>8,638,799</b>	<b>13,159,347</b>	<b>11,263,339</b>
	Reimbursable program	138	1,000	1,000	288	887	1,136
10.0001	<b>Total</b>	<b>8,604,038</b>	<b>16,249,100</b>	<b>12,699,600</b>	<b>8,639,077</b>	<b>13,160,234</b>	<b>11,264,475</b>
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001	Federal funds		-1,000	-1,000	59	-1,000	-1,000
14.0001	Non-federal sources	-137			-137		
17.0001	Recoveries of prior year obligations(-)				-2,656		
<b>Unobligated balance available, start of year:</b>							
21.4001	For completion of prior year budget plans				-6,029,396	-7,525,537	-10,614,393
21.4002	Available to finance new budget plans	-102,400	-35,000		-102,400	-35,000	
21.4003	Reprogramming from or to prior year budget plan	-471,416					
22.4001	Unobligated balance transferred from other accounts(-)	-117,500	-35,000		-117,500	-35,000	
23.4001	Unobligated balance transferred to other accounts	117,500	35,000		117,500	35,000	
<b>Unobligated balance available, end of year:</b>							
24.4001	For completion of prior year budget plans				7,525,537	10,614,393	12,029,716
24.4002	Available to finance subsequent year budget plans	35,000			35,000		
25.0001	Unobligated balance lapsing	573,818	35,000		573,818	35,000	
39.0001	<b>Budget authority</b>	<b>8,638,900</b>	<b>16,248,100</b>	<b>12,698,600</b>	<b>8,638,900</b>	<b>16,248,100</b>	<b>12,698,600</b>
<b>Budget authority:</b>							
40.0001	Appropriation	8,702,400	16,076,700	12,698,600	8,702,400	16,076,700	12,698,600
40.0002	Reduction pursuant to P.L. 97-377		-39,600			-39,600	
41.0001	Transferred to other accounts(-)	-300,000			-300,000		
43.0001	Appropriation (adjusted)	8,402,400	16,036,900	12,698,600	8,402,400	16,036,900	12,698,600
50.0001	Reappropriation	236,500	211,200		236,500	211,200	
<b>Relation of obligations to outlays:</b>							
71.0001	Obligations incurred, net				8,638,999	13,159,244	11,263,475
72.4001	Obligated balance, start of year				12,861,132	14,468,847	20,389,191
74.4001	Obligated balance, end of year				-14,468,847	-20,389,191	-23,178,568
77.0001	Adjustments in expired accounts				329,999		
78.0001	Adjustments in unexpired accounts				-2,656		
90.0001	<b>Outlays</b>				<b>8,738,627</b>	<b>7,248,900</b>	<b>8,506,100</b>

Navy	TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JAN 83
Object Classification (in thousands of dollars)				Summary
Identification code	17-1811-0-1-081			
		1982 actual	1983 est	1984 est
Direct obligations:				
Other services:				
125.004	Other	257,033	414,156	372,844
125.001	Supplies and materials	72,015	141,830	183,000
131.001	Equipment	8,908,741	12,603,361	10,717,498
199.001	Total direct obligations	8,638,789	13,159,347	11,284,339
Reimbursable obligations:				
Other services:				
225.003	Contracts		98	98
225.004	Other		64	64
231.001	Equipment	268	715	954
299.001	Total reimbursable obligations	268	897	1,106
999.901	Total obligations	8,639,077	13,160,244	11,284,475

Navy		TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JAN 83		
Program and Financing (in thousands of dollars)					1978 Fiscal year program		
Identification code	17-1611-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1.	Fleet ballistic missile ships	.....	.....	.....	611,390	.....
	2.	Other warships	.....	.....	.....	169,729	.....
	4.	Mine warfare and patrol ships	.....	.....	.....	166,242	.....
	5.	Auxiliaries, craft and prior-year program costs	.....	.....	.....	74,147	.....
		Total direct	.....	.....	.....	621,508	.....
		Reimbursable program	.....	.....	.....	268	.....
10.0001		Total	.....	.....	.....	621,796	.....
Financing:							
Offsetting collections from:							
11.0001		Adjustment to prior year federal fund order	.....	.....	.....	59	.....
Unobligated balance available, start of year:							
21.4001		For completion of prior year budget plans	.....	.....	.....	-1,063,441	.....
21.4002		Reprogramming from or to prior year budget plan	-431,586	.....	.....	.....	.....
25.0001		Unobligated balance lapsing	431,586	.....	.....	431,586	.....
40.0001		Budget authority	.....	.....	.....	.....	.....

Navy		TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JAN 83		
Program and Financing (in thousands of dollars)					1979 Fiscal year program		
Identification code	17-1811-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1.	Fleet ballistic missile ships			99	185	
	2.	Other warships			99,951	184,088	
	4.	Mine warfare and patrol ships			218,366	310,065	
	5.	Auxiliaries, craft and prior-year program costs			132,037	126,712	
10.0001		Total			480,443	621,050	
Financing:							
Offsetting collections from:							
17.0001		Recoveries of prior year obligations(-)			-56		
Unobligated balance available, start of year:							
21.4001		For completion of prior year budget plans			-1,086,537	-621,050	
21.4002		Reprogramming from or to prior year budget plan	-18,100				
23.4001		Unobligated balance transferred to other accounts	18,100		18,100		
24.4001		Unobligated balance available, end of year			621,060		
40.0001		Budget authority					

Navy		TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JAN 83		
Program and Financing (in thousands of dollars)				1980 Fiscal year program			
Identification code		Budget plan (amounts for procurement actions programmed)			Obligations		
17-1611-0-1-051		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Fleet ballistic missile ships				91,101	110,258	316,242
	2. Other warships				274,577	357,177	360,074
	3. Amphibious ships				366	319	
	4. Mine warfare and patrol ships				67,071	245,516	91,452
	5. Auxiliaries, craft and prior-year program costs				174,137	55,991	139,199
	Total direct				627,262	769,261	906,976
	Reimbursable program						0
10.0001	Total				627,262	769,261	906,976
Financing:							
Offsetting collections from:							
17.0001	Recoveries of prior year obligations(-)				-2,600		
21.4001	Unobligated balance available, start of year:						
	For completion of prior year budget plans				-2,324,618	-1,675,236	-905,976
21.4002	Reprogramming from or to prior year budget plan	-24,730					
24.4001	Unobligated balance available, end of year				1,675,236	905,976	
25.0001	Unobligated balance lapsing	24,730			24,730		
40.0001	Budget authority						

Navy

TRODDEN

Augustine

Shipbuilding and Conversion, Navy

31 JAN 83

## Program and Financing (In thousands of dollars)

1981 fiscal year program

Identification code	17-1611-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
1.	Fleet ballistic missile ships				604,779	145,172	68,968
2.	Other warships				605,672	52,693	211,927
3.	Amphibious ships				24,760	3,248	18,269
4.	Mine warfare and patrol ships				183,499	84,903	91,804
5.	Auxiliaries, craft and prior-year program costs				230,488	96,373	65,771
	Total direct				1,659,198	382,389	456,739
	Reimbursable program						300
10.0001	Total				1,659,198	382,389	457,039
Financing:							
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-3,564,799	-1,905,601	-1,523,212
21.4002	Available to finance new budget plans	-102,400			-102,400		
23.4001	Unobligated balance transferred to other accounts	102,400			102,400		
24.4001	Unobligated balance available, end of year				1,905,601	1,523,212	1,066,173
40.0001	Budget authority						

Navy		TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JA		
Program and Financing (in thousands of dollars)					1982 Fiscal year prog		
Identification code	17-1611-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est	1984 est	1982 actual	1983 est	1984
Program by activities:							
Direct:							
	1. Fleet ballistic missile ships	330,700			318,763	11,937	
	2. Other warships	5,141,400			3,370,862	564,792	66,440
	3. Amphibious ships	340,100			280,195	32,698	27,207
	4. Mine warfare and patrol ships	996,400			474,769	224,925	237,835
	5. Auxiliaries, craft and prior-year program costs	1,795,300			835,779	640,954	36,621
	Total direct	8,603,900			5,280,368	1,475,306	387,103
	Reimbursable program	138				287	79
10.0061	Total	8,604,038			5,280,368	1,475,593	387,182
Financing:							
Offsetting collections from:							
14.0001	Non-federal sources	-137			-137		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans					-3,323,650	-1,848,057
21.4002	Available to finance new budget plans		-36,000			-38,000	
22.4001	Unobligated balance transferred from other accounts(-)	-117,500			-117,500		
23.4001	Unobligated balance transferred to other accounts		35,000			35,000	
	Unobligated balance available, end of year:						
24.4001	For completion of prior year budget plans				3,323,650	1,848,057	1,460,875
24.4002	Available to finance subsequent year budget plans	35,000			35,000		
25.0001	Unobligated balance lapsing	117,500			117,500		
39.0001	Budget authority	8,638,900			8,638,900		
Budget authority:							
40.0001	Appropriation	8,702,400			8,702,400		
41.0001	Transferred to other accounts(-)	-300,000			-300,000		
43.0001	Appropriation (adjusted)	8,402,400			8,402,400		
50.0001	Reappropriation	236,500			236,500		

Navy TROODEN Augustine Shipbuilding and Conversion, Navy 31 JAN 83

Program and Financing (in thousands of dollars)

1983 Fiscal year program

Identification code	17-1611-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations	
		1982 actual	1983 est	1984 est	1982 actual	1983 est
<b>Program by activities:</b>						
<b>Direct:</b>						
1.	Fleet ballistic missile ships		1,534,800		663,139	160,853
2.	Other warships		11,839,000		7,900,166	1,304,702
3.	Amphibious ships		468,800		373,581	53,618
4.	Mine warfare and patrol ships		768,100		453,984	89,383
5.	Auxiliaries, craft and prior-year program costs		1,637,800		520,471	178,726
	<b>Total direct</b>		<b>16,248,100</b>		<b>9,911,341</b>	<b>1,787,262</b>
	Reimbursable program		1,000		610	139
10.0001	<b>Total</b>		<b>16,249,100</b>		<b>9,911,951</b>	<b>1,787,401</b>
<b>Financing:</b>						
<b>Offsetting collections from:</b>						
11.0001	Federal funds		-1,000		-1,000	
21.4001	Unobligated balance available, start of year					-6,337,149
22.4001	Unobligated balance transferred from other accounts(-)		-35,000		-35,000	
24.4001	Unobligated balance available, end of year				6,337,149	4,549,748
26.0001	Unobligated balance lapsing		35,000		35,000	
39.0001	Budget authority		16,248,100		16,248,100	
<b>Budget authority:</b>						
40.0001	Appropriation		16,076,700		16,076,700	
40.0002	Reduction pursuant to P.L. 97-377		-39,800		-39,800	
43.0001	Appropriation (adjusted)		16,036,900		16,036,900	
60.0001	Reappropriation		211,200		211,200	

Navy		TRODDEN	Augustine	Shipbuilding and Conversion, Navy	31 JAN 83		
Program and Financing (in thousands of dollars)				1984 Fiscal year program			
Identification code	17-1611-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
	1.	Fleet ballistic missile ships	1,833,000				1,140,456
	2.	Other warships	5,730,500				3,829,397
	3.	Amphibious ships	1,902,500				1,108,004
	4.	Mine warfare and patrol ships	448,000				204,594
	5.	Auxiliaries, craft and prior-year program costs	2,785,800				1,463,817
		<b>Total direct</b>	<b>12,699,800</b>				<b>7,746,268</b>
		Reimbursable program	1,000				510
10.0001		<b>Total</b>	<b>12,699,800</b>				<b>7,746,278</b>
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001		Federal funds	-1,000				-1,000
24.4001		Unobligated balance available, end of year					4,952,922
40.0001		Budget authority	12,699,800				12,698,800

STATUS OF COMPLETION OF PRIOR YEAR  
SHIPBUILDING PROGRAMS

	<u>Uncompleted thru 31 Dec 1982</u>	<u>To Be Completed in FY 1983</u>	<u>To Be Completed in FY 1984</u>	<u>To Be Completed in FY 1985 and Subsequent Years</u>
<b>FY 1977 and Prior Years</b>				
Ships	13	4	6	3
New Construction	13	4	6	3
Conversion	0	0	0	0
<b>FY 1978</b>				
Ships	6	4	0	2
New Construction	6	4	0	2
Conversion	0	0	0	0
<b>FY 1979</b>				
Ships	13	8	4	1
New Construction	13	8	4	1
Conversion	0	0	0	0
<b>FY 1980</b>				
Ships	11	0	7	4
New Construction	11	0	7	4
Conversion	0	0	0	0
<b>FY 1981</b>				
Ships	20	2	3	15
New Construction	18	0	3	15
Conversion	2	2	0	0
<b>FY 1982</b>				
Ships	21	0	3	18
New Construction	17	0	0	17
Conversion	4	0	3	1
<b>FY 1983</b>				
Ships	17	0	1	16
New Construction	15	0	0	15
Conversion	2	0	1	1

The request for fiscal year 1984 is \$12,698,800,000, a decrease of \$3,549,300,000 from the fiscal year 1983 program. This will provide for completion of all prior year ships as well as for 17 new construction ships and 6 conversions (including one new acquisition).

BUDGET ACTIVITY NO. 1 - BALLISTIC MISSILE SHIPS

(\$ IN THOUSANDS)

FY 1982 Actual	330,700
FY 1983 Estimate	1,534,800
FY 1984 Estimate	1,833,000
FY 1985 Estimate	2,084,700

PURPOSE AND SCOPE

Budget Activity Number 1 provides for the new construction of Ballistic Missile Ships and supporting vessels and the conversion of existing ships to specialized configurations required to meet strategic objectives.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 1 includes:

TRIDENT SSBN

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	1,832,100	1	1,988,200

TRIDENT

The FY 1984 request provides full funding of \$1,525,600,000 for the eleventh TRIDENT submarine plus advance procurement funds of \$306,500,000 to procure critical long lead ship components for the twelfth and thirteenth submarines. Advance procurement funding for certain contractor furnished equipment is necessary in order to provide sufficient manufacturing leadtime for delivery of the equipment to meet the shipbuilder's construction schedule. The TRIDENT mission is to provide an undersea strategic missile system in order to ensure that the U.S. continues to maintain a credible, survivable deterrent independent of foreseeable threats. TRIDENT submarines will be highly survivable through incorporation of the latest state of the art in submarine quietness, mobility and self-defense. Each will have an integrated radio room designed to provide communication links in a hostile electro-magnetic environment, and will carry the latest submarine defense system. Other features include a 70-day patrol period, a 25-day turn-around period between patrols, not less than 9-year intervals between overhauls/refuelings and a projected operating life of 30 years. The FY 1985 request provides full funding authorization of \$1,605,700,000 for the twelfth TRIDENT sub-marine and advance procurement of \$382,500,000 to procure critical long lead ship components for the thirteenth and fourteenth TRIDENT submarines planned for Authorization in FY 1986 and FY 1987.

TAK(FBM) (CONVERSION) RE-SUPPLY SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	900	1	96,500

\$900,000 is requested in FY 1984 for advance procurement for conversion of a cargo ship to a TAK resupply ship. The TAK will be designed and stocked to permit complete replenishment of FBM submarine tenders including replacement missiles and warheads as well as spare parts, food and stores. The TAK will be converted from cargo ship which is in the reserve fleet. Authorization of \$96,500,000 is requested for conversion of one cargo ship to a TAK resupply ship in FY 1985.

BUDGET ACTIVITY NO. 2 - OTHER WARSHIPS

		(\$ in thousands)
FY 1982 Actual	5,141,400	
FY 1983 Estimate	11,839,000	
FY 1984 Estimate	5,730,500	
FY 1985 Estimate	9,236,000	

PURPOSE AND SCOPE

Budget Activity Number 2 provides for the construction, conversion or modernization of major warships other than Ballistic Missile Ships.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 2 include:

SSN-688 CLASS SUBMARINE (NUCLEAR)

		(\$ in thousands)		
		(\$ in thousands)		
FY 1984			FY 1985	
QTY	AMT		QTY	AMT
3	2,042,400		4	2,999,200

\$1,706,400,000 is requested for the construction of three follow-on SSN-688 class nuclear attack submarines in FY 1984. In addition, funds in the amount of \$336,000,000 are requested for long leadtime equipment for follow-on submarines in FY 1986. Authorization in the amount of \$2,455,600,000 is requested for the construction of four follow-on SSN-688 class nuclear submarines in FY 1985. Authorization in the amount of \$543,600,000 is also requested for long leadtime equipment for follow-on submarines in FY 1986 and FY 1987. The attack submarine is a key element in our multi-type warfare forces. These submarines are the only weapons systems capable of operating for long periods of time in waters under enemy air and surface control. The SSN-688 class submarine will provide the characteristics necessary to counter the new classes of soviet high-speed submarines in addition to providing improved sensor and weapons systems. The nuclear propulsion plant is the longest leadtime item in construction of nuclear attack submarines. Leadtimes for reactor plant equipment have not significantly changed from those experienced in recent years. Reactor equipment supplies are currently quoting manufacturing spans of up to five years. Since the nuclear propulsion plant is in the critical path affecting delivery of these submarines, failure to provide long leadtime funding in advance of planned authorization for construction of these submarines could preclude supporting the planned construction.

BB - BATTLESHIP REACTIVATION

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	57,700	1	559,800

Funds in the amount of \$57,700,000 are requested in FY 1984 for advance procurement to support reactivation of Missouri in FY 1985. The battleship will operate as an element of an amphibious assault group. In areas of lesser threat the battleship will be capable of surface action group operations with appropriate ASW and AAW escorts. Authorization of \$446,400,000 is requested for full funding for reactivation of MISSOURI in FY 1985 and \$113,400,000 advance procurement funds for the WISCONSIN reactivation in FY 1986.

CV (SLEP) AIRCRAFT CARRIER

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	95,900	1	794,000

The FY 1984 request includes \$95,900,000 advance procurement funding to support the CV-62 (INDEPENDENCE) FY 1985 Service Life Extension Program (SLEP). The aircraft carrier SLEP will extend the life of the FORRESTAL class carriers from 30 years to a total of 45 years. The extension will be accomplished through a 28-month shipyard availability in which equipments, systems, and structures will be repaired or replaced as necessary. Authorization of \$605,000,000 is requested for full funding CV-62 SLEP in FY 1985. In addition, \$189,000,000 is requested for advance procurement funds for long leadtime materials for the CV-63 (Kitty Hawk) SLEP scheduled for FY 1987.

CG-47 AEGIS GUIDED MISSILE CRUISER (MYP)

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
3	3,435,000	3	3,519,300

\$3,431,000,000 is requested in FY 1984 for the construction of the eleventh, twelfth and thirteenth ships of a class of cruiser specifically designed to carry AEGIS and other advanced systems, augmented by passive protection features including fragmentation protection of launchers and magazines, the CG-47 is broadly capable, heavily armed and survivable. Employment of the proven DD-963 class hull and propulsion system reduces uncertainties and lifetime costs. The CG-47 class ships will be able to conduct prompt and sustained combat operations as part of a Carrier Battle Group and Surface Action Group to neutralize or destroy hostile air, missile, surface and subsurface threats, and defeat simultaneous coordinated attacks by such forces. In addition, \$3,600,000 is requested for economic order quantity (EOQ) advance procurement to support the MK-45 gun mount and ammunition hoist being procured utilizing a multiyear contract (MYP). Authorization of \$3,494,900,000 is requested for three AEGIS cruisers in FY 1985. In addition, \$24,400,000 is requested for advance procurement for EOQ long leadtime items in FY 1985.

DDG-51 - GUIDED MISSILE DESTROYER

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	99,500	1	1,363,700

\$99,500,000 is requested in FY 1984 for advance procurement funds for long leadtime equipment for the lead ship programmed in FY 1985. The DDG-51 will be able to operate defensively and offensively with Carrier Battle Groups and Surface Action Groups, Underway Replenishment Groups and Amphibious Forces in multi-threat environments. Authorization of \$1,363,700,000 is requested for one DDG-51 Guided Missile Destroyer in FY 1985.

BUDGET ACTIVITY NO. 3 - AMPHIBIOUS SHIPS

(\$ in thousands)

FY 1982 Actual	342,800
FY 1983 Estimate	468,600
FY 1984 Estimate	1,902,500
FY 1985 Estimate	835,900

PURPOSE AND SCOPE

Budget Activity Number 3 provides for the construction and conversion of amphibious ships.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 3 include:

LSD-41 - LANDING SHIP DOCK (MYP)

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	509,000	2	676,200

The FY 1984 request of \$326,900,000 initiates a three year five ship multiyear procurement contract. In addition, \$182,100,000 is requested for economic order quantity (EOQ) advance procurement to support subsequent years construction. The LSD will transport and launch amphibious craft and vehicles with their crews and embarked personnel in amphibious assault operations. It will also provide limited docking and repair services for conventional landing craft and Air Cushion Landing Craft (LCAC). Authorization of \$533,800,000 is requested for two Dock Landing Ships in FY 1985 and \$122,400,000 is requested in FY 1985 for EOQ advance procurement for the FY 1986 ships.

LHD-1 AMPHIBIOUS ASSAULT SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	1,379,700	-	113,500

The FY 1984 request provides full funding of \$1,379,700,000 for one LHD-1 Amphibious Assault Ship. The LHD-1 is a multi-purpose amphibious assault ship which will operate and support helicopters, VSTOL aircraft, amphibious and landing craft. It will be capable of embarking the troops, vehicles, cargo and aircraft of Marine landing forces and launching them in surface and vertical assault. Authorization of \$113,500,000 is requested in FY 1985 for advance procurement of long lead ship components for one FY 1986 LHD.

AMPHIBIOUS (LPD) MID-LIFE CONVERSION

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	13,800	-	46,200

The FY 1984 request includes \$13,800,000 and an additional \$46,200,000 is requested for authorization in FY 1985 for advance procurement for long lead materials in support of the amphibious (LPD-4) class Mid-life Conversion Program. The amphibious MLC will extend the 30-year service life of the LPD-4 class of ships by 15 years. The MLC will accomplish survivability ship alterations and engineering equipment modernization. Capabilities of the ships will be improved to enable them to carry and support two vice one LCAC, and four vice two CH-46 helicopter equivalents. The first MLC is planned to start in FY 1986.

**BUDGET ACTIVITY NO. 4 - MINE WARFARE AND PATROL SHIPS**

(\$ in thousands)

FY 1982 Actual	962,700
FY 1983 Estimate	768,100
FY 1984 Estimate	446,000
FY 1985 Estimate	350,400

**PURPOSE AND SCOPE**

Budget Activity Number 4 provides for the construction and conversion of ships with minesweeping capability, as well as patrol and escort ships.

**JUSTIFICATION OF FUNDS**

Funds requested for appropriation/authorization for Budget Activity 4 include:

**MCM-MINE COUNTERMEASURE SHIP**

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
4	381,000	4	350,400

Appropriation of \$381,000,000 is requested for four MCMs in FY 1984. This ship will be built to military standards and will be an effective platform from which to operate new mine hunting and neutralizing equipments. The MCM will have the capability to conduct mine clearance operations. Authorization of \$350,400,000 is requested for four MCMs in FY 1985.

**MSH-1 - MINESWEEPER HUNTER**

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	65,000	-	-

Appropriation of \$65,000,000 is requested for one MSH in FY 1984. This will provide the Navy with the lead ship of a new class of low mix operational coastal minehunting ships capable of mine reconnaissance, classification and neutralization of moored and bottom mines in a U.S. harbor and coastal environment.

BUDGET ACTIVITY NO. 5 - AUXILIARIES, CRAFT AND PRIOR YEAR PROGRAM COSTS

(\$ in thousands)

FY 1982 Actual	1,826,300
FY 1983 Estimate	1,637,600
FY 1984 Estimate	2,786,800
FY 1985 Estimate	2,192,000

PURPOSE AND SCOPE

Budget Activity Number 5 provides for construction and conversion of Auxiliary Ship and Craft as well as other costs such as Outfitting, Post Delivery, Cost Growth and Escalation on prior year programs.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 5 include:

T-AO FLEET OILER

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
3	524,600	4	920,000

The FY 1984 request of \$524,600,000 provides for three fleet oilers in FY 1984, and \$920,000,000 is requested for authorization of four fleet oilers in FY 1985. The Fleet Oiler will operate as a unit of an Underway Replenishment Group to furnish petroleum products to operating forces at sea. The ship will be capable of replenishing from five stations simultaneously and will also be capable of replenishment of fleet freight, mail, and personnel.

TAGOS OCEAN SURVEILLANCE SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	-	2	135,800

\$135,800,000 is requested for authorization in FY 1985 for two TAGOS Ocean Surveillance ships. These ships will be used to support the towed arrays and data processing/transmitting equipments of the SURTASS system which collect, process, and transmit acoustic data as a unit of the Military Sealift Command.

TAGS (CONVERSION) - OCEAN SURVEY SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	34,500	2	224,100

Advance procurement of \$34,500,000 is requested in FY 1984 for detail design, activation package preparation and long leadtime electronic and machinery components for the FY 1985 conversion of two commercial cargo ships. The ships will collect bathymetric and other geophysical data required for deployment of strategic submarines and their missile systems. Authorization of \$224,100,000 in FY 1985 is requested for the conversion of two commercial cargo ships to TAGS ocean survey ships.

TAKR (CONVERSION) - FAST LOGISTIC SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
4	246,500	-	-

The FY 1984 request provides \$246,500,000 for SL-7 Fast Logistics Ship conversions to TAKR. These funds are requested for the conversion to commercial standards for the last four SL-7s that were purchased with FY 1981 funding. These ships are required to enhance the strategic sealift capability in support of the Rapid Deployment Force, specifically by moving equipment and supplies of heavy combat units rapidly. These ships are required to enhance the strategic sealift-capability in support of the greater Middle East and provide the capability to move equipment and supplies for rapid reinforcement of NATO.

TAH (CONVERSION) - HOSPITAL SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	260,000	-	-

\$260,000,000 is requested for conversion of one ship to a Hospital Ship in FY 1984. This ship will be capable of providing full medical support on a world-wide basis to the Rapid Deployment Joint Task Force and other U.S. forces that are engaged in combat operations.

TAFS COMBAT STORES SHIP

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
1	16,000	-	-

The FY 1984 request of \$16,100,000 provides for purchase of the Royal Fleet Auxiliary ship STROMNESS. The ship is now under charter to the Navy in support of increased operations in the Indian Ocean. Cost analysis of the five-year charter agreement would make purchase a prudent decision given the need for STROMNESS into the 1990's.

SERVICE CRAFT

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	119,300	-	148,700

Appropriation of \$119,300,000 is requested for nine Harbor Tug Boats (YTB), fourteen Open Lighters (YC), five Floating Cranes (YD) and five Patrol Craft (YP) and one Patrol Boat Multi-mission (PBM). Authorization of \$148,700,000 is requested for nine YTBs, ten YCs, three YDs, seven YPs, six Covered Lighters (YFN) and one Covered Lighter - Range Tender (YRFT).

LANDING CRAFT

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	15,000	-	-

Appropriation of \$15,000,000 is requested for eighteen Mechanized Landing Craft (LCM-8) in FY 1984.

TAGM MISSILE RANGE INSTRUMENTATION SHIP

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	-	-	46,000

\$46,000,000 is requested for authorization in FY 1985 for advance procurement for long leadtime material in support of one TAGM Missile Range Instrumentation ship conversion programmed in FY 1986. The TAGM provides communications, flight safety, telemetry data acquisition capabilities, and satellite missile tracking (SATRACK) data acquisition in support of Fleet Ballistic Missile (FBM) operational flight tests in broad ocean areas. The ship provides the necessary facilities to support a maximum of four missiles, all of which may be in flight simultaneously.

STRATEGIC SEALIFT (RRF) READY RESERVE FORCE

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
9	31,000	9	34,000

\$31,000,000 is requested in FY 1984 and authorization of \$34,000,000 is requested in FY 1985 for the acquisition of ships for the Ready Reserve Force (RRF). The Ready Reserve Force is a subset of the National Defense Reserve Fleet which provides timely sealift capability to promptly outload and transport those forces that may be expected to be deployed in a contingency or reinforcement scenario. The ships which will be acquired are currently in the inventory of U.S. flag ships and are suitable for military support operations.

LCAC LANDING CRAFT AIR CUSHION

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
6	161,100	12	266,000

The FY 1984 request provides full funding of \$131,600,000 for six LCACs and advance procurement of \$29,500,000 for long leadtime material in support of the FY 1985 program. Authorization of \$234,700,000 is requested for full funding for twelve LCACs and advance procurement of \$31,300,000 in FY 1985 in support of the FY 1986 program. The Landing Craft Air Cushion (LCAC) is a fully amphibious air cushion vehicle capable of operating from existing and programmed well deck ships. The LCAC transports weapons systems, equipment, cargo and personnel of the assault elements of the Marine Air/Ground Task Force ship to shore and across the beach.

OUTFITTING MATERIAL

(\$ in thousands)

FY 1984		FY 1985	
QTY	AMT	QTY	AMT
-	204,200	-	238,600

FY 1984/1985- Outfitting material consists of government furnished repair parts and other material, including stock fund items and general use consumables, required to fill ships' initial allowance of storeroom and operating space items. A total of \$204,200,000 is requested in FY 1984 and \$238,600,000 is requested for authorization in FY 1985.

POST DELIVERY

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	124,200	-	178,800

Post Delivery costs are design, planning, Government Furnished Material and related labor costs required to correct ship deficiencies defined during acceptance and shakedown trials, and which can be accomplished within eleven months following Completion of Fitting-Out. All funds required for correction of deficiencies for a particular ship are budgeted in the first fiscal year in which funding is required. \$124,200,000 is requested in FY 1984 and authorization of \$178,800,000 is requested in FY 1985.

COST GROWTH ON PRIOR YEAR PROGRAMS

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	674,700	-	-

\$674,700,000 is requested for cost growth on prior year programs as follows: \$106,400,000 is for revised cost estimates and later delivery dates for the FY 1975-1978 TRIDENT program which was originally requested in the FY 1982 Supplemental; \$436,000,000 provides additional funding required to upgrade the FY 1981 TRIDENT to a D-5 configuration. This requirement was previously identified to Congress during review of the FY 1983 budget but Congress denied the request and asked the Navy to further evaluate the end cost estimate and request the full amount required in a FY 1984 Cost Growth request; \$107,300,000 provides funding for second source shipbuilder award requirements for the CG-47 program, which was requested in the FY 1982 Supplemental. Data provided to Congress indicated that the estimate was not finalized and the \$80,000,000 request was most likely the minimum requirement, and; \$25,000,000 is requested to fully fund the FY 1983 SSN program. The FY 1983 Appropriation Act reduced program reserves that had previously been used for higher than anticipated basic construction awards. These funds were already obligated to provide SUBACS and under ice improvements.

ESCALATION ON PRIOR YEAR PROGRAMS

(\$ in thousands)

FY 1984		FY 1985	
<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
-	375,600	-	-

FY 1984 - The request of \$375,600,000 in FY 1984 is to fully fund the impact of earlier inflation rate adjustments on prior shipbuilding programs.

COMPARISON OF FY 1982 PROGRAM REQUIREMENT AS REFLECTED  
 IN FY 1983 BUDGET WITH FY 1982 PROGRAM REQUIREMENTS AS  
 SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENT (In Thousands of Dollars)

	Total Program Requirements Per 1983 Budget	Program Requirements Per 1984 Budget	Increase (+) or Decrease (-)
Fleet Ballistic Missile Ships.....	330,700	330,700	-0-
Other Warships .....	5,141,400	5,141,400	-0-
Amphibious Ships.....	342,800	342,800	-0-
Mine Warfare and Patrol Ships.....	1,016,300	962,735	-53,565
Auxiliaries, Craft and PY Program Costs.....	1,807,700	1,826,265	+18,565
Reimbursable Program.....	2,000	2,000	-0-
Total Fiscal Year Program.....	8,640,900	8,605,900	-35,000

EXPLANATION BY BUDGET ACTIVITY  
 (\$ in Thousands)

- Mine Warfare and Patrol Ships (-53,565) - Congressional action on the FY 1983 budget directed the transfer of \$35,000 of FY 1982 FFG program savings to FY 1983 to offset FY 1983 FFG program requirements. An additional \$18,565 of FFG program savings has been applied to Budget Activity 5 Cost Growth requirements as a part of a proposed DD 1415 reprogramming action.
- Auxiliaries, Craft, and Prior Year Program Costs (+18,565) - Additional funding required to meet Cost Growth requirements on the FY 1981 TRIDENT and FY 1979 TARC programs as part of a proposed DD 1415 reprogramming action.

COMPARISON OF FY 1983 PROGRAM REQUIREMENT AS REFLECTED  
IN FY 1983 BUDGET WITH FY 1983 PROGRAM REQUIREMENTS AS  
SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENT (In Thousands of Dollars)

	Total Program Requirements Per 1983 Budget	Program Requirements Per 1984 Budget	Increase (+) or Decrease (-)
Fleet Ballistic Missile Ships.....	2,485,000	1,534,800	-950,200
Other Warships.....	12,490,000	11,839,000	-651,000
Amphibious Ships.....	472,000	468,600	-3,400
Mine Warfare and Patrol Ships.....	1,038,000	786,100	-269,900
Auxiliaries, Craft and PY Program Costs.....	2,163,300	1,637,600	-525,700
Reimbursable Program.....	2,000	1,000	-1,000
Total Fiscal Year Program.....	18,650,300	16,249,100	-2,401,200

EXPLANATION BY BUDGET ACTIVITY  
(\$ in Thousands)

1. FLEET BALLISTIC MISSILE SHIP (-950,200) - Congressional action on the FY 1983 budget deleted one of the Trident submarines (-778,500) and also adjusted Trident advance procurement (-162,600) to reflect reduced quantities. In addition, reductions of 9,100 were applied for Consultant Support Services (CSS) (-4,500) and Independent Research and Development/Bid Preparation (IR&D/B.P.) (-4,600) costs.

2. OTHER WARSHIPS (-651,000) - Congressional action on the FY 1983 Budget deleted advance procurement on the CG (-22,200) and BB-63 (USS. Missouri) reactivation (-94,000) programs and also reduced the CG program by an additional 25,000 to reflect deletion of AN/SPS-49/TACTAS Equipments. Additionally, congressional reductions to Program Manager's Growth and Future Characteristics Changes (PCC) reserves were directed as follows:

<u>PROGRAM</u>	<u>PMG</u>	<u>FCC</u>	<u>TOTAL RESERVES</u>
CVN	161,700	74,100	235,800
SSN	13,200	10,000	23,200
BB	16,700	5,900	22,600
CG	84,000	101,500	185,500
	<u>275,600</u>	<u>191,500</u>	<u>467,100</u>

Lastly, reductions were applied for CSS (-12,500), IR&D/BP (-26,500), and personnel security costs (-3,700).

3. AMPHIBIOUS SHIPS (-3,400) - FY 1983 Congressional action reduced program managers growth reserves by 1,400 on the LSD program. A reduction of 2,000 was also applied for CSS.

4. MINE WAREFARE AND PATROL SHIPS (-269,900) - Congressional action on the FY 1983 Budget deleted 3 MCM ships (-271,600) and added 14,900 to the FFG program for an upgrade to the Mk 92 Fire Control System. Additional reductions of 13,200 were also applied for CSS (-10,900) and IR&D/BP (-2,300).

5. AUXILIARIES, CRAFT AND PRIOR YEAR PROGRAM COSTS (-525,700) - Congressional action on the FY 1983 budget included the following adjustments: Deletion of advance procurement for the TAO (-109,800), AGOS SWATH (-24,300), and ARS (-10,000) programs; reduction of 37,200 from the TAO program to reflect program requirements after ship construction award; reduction of 24,000 from the ARS program (additional program requirements to be met through FY 1982 procurement funding); delay of 4 TAKRX conversions until FY 1984 (full funding reduction of 322,600 offset by establishment of 44,000 advance procurement line in FY 1983); reduction of 64,500 from the cost growth request (-40,000 FY 1981 SSN, -43,500 - FY 1980 CVN, +19,000 - FY 1982 MCM); deletion of 17,800 from the landing craft request to reflect reduced craft quantities, award savings and reduced program reserves; addition of 176,200 for the FY 1978 extended account; and elimination of funding in the SCN appropriation for the Contract Design (-97,200) and Manufacturing Technology (-25,000) programs. Additional reductions of 13,500 were also applied for CSS (-4,900), IR&D/BP (-6,400), and personnel security (-2,200).

JUSTIFICATION FOR CONTRACTOR SUPPORT SERVICES

Contract support services are procured to provide the personnel resources the Navy has not been permitted to obtain in-house for many years. These resources are essential to execute the shipbuilding program in a timely and effective manner. Without contractors to provide support for test and evaluation, design review, value engineering, integrated logistic support, configuration management, hardware failure investigation, software development, and many other technical engineering efforts, construction schedules would slip, costs would increase, and the logistic support of these ships would be degraded as they eventually deploy.

The amount requested in FY 1984 is significant, \$80.6 million. However, these funds will be spent over a period of several years, not all in FY 1984. These funds are not managed as a separate item but are imbedded in the estimates of the items they support (similar to the manner in which computers are managed) because these services are considered integral to the construction of the Navy's ships.

PB 21A  
 Special Analysis  
 Consultants Studies and Analysis  
 and Management Support Contract  
 (\$ in Thousands)

2/16/83

CONGRESSIONAL

Appropriation: Shipbuilding and Conversion, Navy

	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
A. Experts and Consultants	-0-	-0-	-0-
1. Personnel Appointments			
a. Experts			
b. Consultants			
(1) Federal Advisory Committee Members			
(2) All Other Appointed Consultants			
2. Contract Consultants			
B. Contract Studies & Analysis	-0-	-0-	-0-
1. Consulting Services			
2. Other			
C. Professional Management and Services by Contract	<u>50,937.0</u>	<u>29,232.0</u>	<u>56,791.5</u>
1. Program Management Support			
a. Consulting Services			
b. Other	11,617.0	2,638.0	8,653.0
2. Policy Review and Development			
a. Consulting Services			
b. Other	630.0	280.0	200.0
3. Specification Development			
a. Consulting Services			
b. Other	4,250.0	2,110.0	1,929.0
4. System Engineering			
a. Consulting Services			
b. Other	8,210.0	7,757.0	17,253.5

	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
5. Technology Sharing/Utilization			
a. Consulting Services			
b. Other	- 0-	- 0-	200.0
6. Logistic Support Services			
a. Consulting Services			
b. Other	20,380.0	13,037.0	25,147.0
7. Technical Data Collection			
a. Consulting Services			
b. Other	4,750.0	3,086.0	1,203.0
8. Other Professional Management and Services by Contract			
a. Consulting Services			
b. Other	1,100.0	325.0	2,226.0
D. Contract Engineering Technical Services (CETS)	<u>6,230.0</u>	<u>7,373.0</u>	<u>8,969.0</u>
1. Contract Plant Services	330.0	350.0	- 0-
2. Contract Field Services	5,900.0	6,723.0	8,969.0
3. Field Service Representatives	- 0-	300.0	- 0-
TOTAL			
E. Summary			
1. Personal Services	- 0-	- 0-	- 0-
2. Contract Consulting Services	- 0-	- 0-	- 0-
3. Other Contract Services	57,167.0	36,606.0	65,760.5
TOTAL	57,167.0	36,606.0	65,760.5

PB 21A  
 Special Analysis  
 Consultants Studies and Analyses  
 and Management Support Contracts  
 (\$ in Thousands)  
 Line Item Detail

Appropriation Shipbuilding and Conversion Navy

<u>Item</u> <u>Nomenclature</u>	<u>FY</u> <u>1982</u>	<u>FY</u> <u>1983</u>	<u>FY</u> <u>1984</u>
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Contract support services are procured to provide resources the Navy cannot obtain in-house due to personnel ceilings. Without these services the Navy would not be able to accomplish its missions in a timely and effective manner.

SSBN 726 Class TRIDENT Submarine	-0-	11,858.0	20,525.5
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The funding identified above is budgeted primarily to support the TRIDENT Submarine Program Command and Control System (CCS) Production Test Program and the development and updating of logistic support analyses.

The CCS Production Test Program (PTP) is complex. It includes test and check out of TRIDENT computers and sensor systems at both the Land Based Evaluation Facility and the shipbuilder. In order to support this effort, many subsystem and system level engineers are needed. The funding above supports this effort.

The funding listed above also supports the Logistic Support Analysis Program (LSAP). The LSAP provides the engineering services necessary to analyze equipment installed aboard each TRIDENT submarine to determine the logistic support each equipment will need after ship delivery. The engineering analysis will determine such things as overhaul interval, spare parts needed, preventive maintenance schedule, training required for equipment operators, and tools and equipment needed.

These funding requirements require technical engineering effort and provide for no studies and analyses of a policy or procedural nature.

CVN 68 Class Nuclear Aircraft Carrier	-0-	792.0	-0-
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The FY 83 requirement funds specification development, program management support, system engineering, and integrated logistic support for this ship class.

SSN 688 Class Attack Submarine	7,072.0	6,320.0	9,237.0
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The funding of professional and management services by contractors supports a wide variety of technical and material management support including the investigating of technical and engineering problems, the performance evaluation of existing or proposed hardware, and preparation of Integrated Logistic Support Plans.

The funding provided for engineering services includes updating program software, testing of software, and hardware updates. Also covered are failure review actions, installation and checkout of hardware systems, problem investigations, analysis and resolution of problems, and logistic support coordination for installed systems.

<u>Item</u> <u>Nomenclature</u>	<u>FY</u> <u>1982</u>	<u>FY</u> <u>1983</u>	<u>FY</u> <u>1984</u>
BB 61 Class Battleship Reactivation	1,600.0	500.0	1,000.0

The support funds for the battleship program includes technical services and planning support for schedules, government furnished equipment, and status reporting.

Without this support internal manning and capability would have to be significantly increased. This is not feasible due to the short time frame available for these reactivations. Without ILS support it would be impossible to outfit the battleships properly in the required time frame, and supportability of equipment throughout the life cycle of the ships would be in jeopardy.

CV Carrier Service Life Extension Program (SLEP)	430.0	1,140.0	1,206.0
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The Navy is utilizing contractor services to provide limited program management support, systems engineering and logistics support services for planning and material procurement in the advance procurement stage as well as for the entire industrial availability of these ships while at the Philadelphia Naval Shipyard (PNSY). Without this support, there would be insufficient staff to monitor the shipyard effort and assure that problems relating to engineering and logistics support are promptly resolved so that SLEPs can be completed on schedule and within the currently projected cost estimates.

On-site engineering and technical services are also provided to PNSY and the ships' crew for installation, operation, and maintenance of Government Furnished Equipment.

CG 47 Class Cruiser (AEGIS)	-0-	305.0	2,500.0
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This funding provides technical assistance in the area of acquisition management and planning. It also provides support for the definition, preparation and review of planning documentation, selected reports, and special action items.

LSD 41 Class Landing Ship Dock	-0-	600.0	3,984.0
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The support efforts for the LSD class ships include assessment of the impact of new policies and procedures; gathering and organizing programmatic and financial supporting materials; development of alternative plans of action; system performance assessment; value engineering efforts; evaluation and ranking of technical concepts and alternatives; feasibility investigations; technical test and evaluation support; operational test and evaluation support; engineering change proposal screening; logistics resource requirements investigation; maintenance support requirements assessment; reliability and maintainability alternatives; training resource and manpower requirements investigation. These efforts are performed by management support contractor because there is insufficient personnel resources within the Navy to accomplish them in a timely and effective fashion.

<u>Item</u> <u>Nomenclature</u>	<u>FY</u> <u>1982</u>	<u>FY</u> <u>1983</u>	<u>FY</u> <u>1984</u>
FFG 7 Class Guided Missile Frigate	17,600.0	9,020.0	-0-

These funds provide configuration management, technical data control, ship test monitoring, assessment of technical problems, assistance in maintaining Post Shakedown Availability schedules and work packages, and Integrated Logistic Support. These support services are required to manage and control the many different aspects of ship construction, provisioning, testing, and correcting deficiencies. Failure to accomplish these efforts in a timely, effective manner will result in schedule slippages with attendant increases in cost. Without the support received from various contractors, FFG-7 class ships would not be delivered to the fleet in their present high degree of readiness.

MCM 1 Class Mine Countermeasures Ship	1,098.0	1,375.0	3,987.0
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This funding supports a variety of technical and engineering services such as review of shipbuilding drawings, analysis of design reviews, technical logistics reviews of Engineering Change Proposals, and risk assessments. In addition, funds are budgeted for the management of periodic updates of the Test and Evaluation Master Plan, Navy Training Plan, Integrated Logistics Support Plan, Ship Project Directives, and assistance in maintaining a current Ship Acquisition Plan.

MSH 1 Class Coastal Mine Sweeper	-0-	-0-	3,200.0
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This funding supports a variety of technical and engineering services such as review of shipbuilding drawings, analysis of design reviews, technical logistics reviews of Engineering Change Proposals, and risk assessments. In addition, funds are budgeted for the management of periodic updates of the Test and Evaluation Master Plan, Navy Training Plan, Integrated Logistics Support Plan, Ship Project Directives, and assistance in maintaining a current Ship Acquisition Plan.

T-AO 187 Class Fleet Oiler	900.0	636.0	3,250.0
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These amounts represent contractor support efforts for Integrated Logistics Support (ILS), Data Management, Test and Evaluation (T&E), and Procurement Documentation. Without these funds, there would be inadequate documentation supporting the program, and risks of delays in ship deliveries and higher program costs as a result of the lessened capacity to provide support.

ARS 50 Class Salvage Ship	1,395.0	880.0	-0-
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The amounts represent contractor support efforts for Integrated Logistic Support (ILS), Data Management, Test and Evaluation (T&E), and procurement documentation. Without these funds, there would be inadequate documentation supporting the program and risks of delays in ship deliveries and higher program costs as a result of the lessened capacity to provide support.

<u>Item</u> <u>Nomenclature</u>	<u>FY</u> <u>1982</u>	<u>FY</u> <u>1983</u>	<u>FY</u> <u>1984</u>
TAKRX Fast Logistics Ship Conversion	-0-	-0-	1,900.0

The support efforts for TAKRX include assessment of the impact of new policies and procedures; gathering and organizing programmatic and financial supporting materials; development of alternative plans of action; system performance assessment; value engineering efforts; evaluation and ranking of technical concepts and alternatives; feasibility investigations; test support; engineering change proposal screening; logistics resource requirements investigation; maintenance support requirements assessment; reliability and maintainability alternatives; training resource and manpower requirements investigation.

LCAC Landing Craft Air Cushion	4,700.0	2,180.0	2,746.0
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The support efforts for LCAC include assessment of the impact of new policies and procedures; gathering and organizing programmatic and financial supporting materials; development of alternative plans of action; system performance assessment; value engineering efforts; evaluation and ranking of technical concepts and alternatives; feasibility investigations; technical test and evaluation support; operational test and evaluation support screening; logistics resource requirements investigation; maintenance support requirements assessment; reliability and maintainability alternatives; training resource and manpower requirements investigation.

LHD 1 Class Amphibious Assault Ship	-0-	-0-	11,725.0
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This funding is in support of lead ship construction. The support includes: evaluation and ranking of technical concepts and alternatives; technical test and evaluation support screening; value engineering; system performance assessment.

Service & Landing Craft	-0-	-0-	500.0
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These funds provide administrative, engineering, and logistic services in support of the procurement of craft and boats.