

CLASSIFICATION: UNCLASSIFIED

**BUDGET ITEM JUSTIFICATION SHEET (P-40)**

DATE:  
**FEBRUARY 2004**

FY 2005 President's Budget

APPROPRIATION/BUDGET ACTIVITY  
BA #3 AMPHIBIOUS SHIPS

P-1 ITEM NOMENCLATURE

LPD-17 AMPHIBIOUS TRANSPORT DOCK BLI 303600; SUBHEAD 8317/2317/2316

	PRIOR YRS	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	TO COMP	TOTAL PROGRAM
QUANTITY	4	1	1	1	1	1	1	1	1	12
<b>Total Funding By Ship</b>										
End Cost	4,747.7	1,138.3	1,246.7	1,108.5	1,103.8	1,199.7	1,225.5	1,254.0	1,612.3	14,636.5
Less Advance Procurement	96.0	554.0	64.1	141.9	8.7	0.0	0.0	0.0	0.0	864.6
Less Cost to Complete	1273.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,273.4
Less FY 2001 Transfer	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
Less FY 2001 Supplemental Transfer	113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.0
Less FY 2002 Transfer	90.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.8
Less FY 2003 Transfer	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2
Less Escalation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Full Funding TOA	3127.3	584.4	1182.7	966.6	1095.1	1199.7	1225.5	1254.0	1612.3	12,247.5
Plus Advance Procurement	730.7	0.0	133.9	0.0	0.0	0.0	0.0	0.0	0.0	864.6
Plus Transfer / Supplemental	230.8	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	251.0
Total Obligational Authority	4,088.8	604.6	1,316.6	966.6	1,095.1	1,199.7	1,225.5	1,254.0	1,612.3	13,363.1
<b>Total Program Funding By Fiscal Year</b>										
Plus Cost to Complete	173.0	569.7	259.2	264.8	6.8	0.0	0.0	0.0	0.0	1,273.4
Plus Outfitting & Post Delivery	0.0	26.9	68.5	81.1	120.7	45.4	32.9	72.0	396.9	844.5
<b>TOTAL</b>	4,261.7	1201.2	1644.3	1312.5	1222.6	1,245.2	1,258.4	1,326.0	2,009.2	15,481.0
Unit Cost (Ave. End Cost)	1,186.9	1,138.3	1,246.7	1,108.5	1,103.8	1,199.7	1,225.5	1,254.0	1,612.3	1,219.7

**MISSION:** Functional replacement for LKA 113, LPD 4, LSD 36, and LST 1179 classes of Amphibious Ships in embarking, transporting, and landing elements of a Marine landing force in an assault by helicopters, landing craft, amphibious vehicles, and by a combination of these methods to conduct primary amphibious warfare missions.

**CHARACTERISTICS:**

**Hull**

Length overall 208.5M (684')  
 Beam 31.9M (105')  
 Displacement 25.3L MT (24.9K I)  
 Draft 7M (23')

**PRODUCTION STATUS:**

**Contract Plans**

Award Planned (Month) 0501 Dec 04  
 Months to Complete  
 a) Award to Delivery 54  
 b) Const. Start to Delivery 42  
 Commissioning Date Aug 09

**Armament**

RAM Missile System  
 SPQ-9B  
 AN/SPS-48E  
 30 mm Mark 46 Gun System  
 50 cal Machine Gun  
 VLS/ESSM (Space, weight, cables and foundations only.)

*Totals may not add due to rounding.*

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P-5 EXHIBIT

CLASSIFICATION

FY 2005 PRESIDENT'S BUDGET

APPROPRIATION: SHIPBUILDING AND

FEB 2004

CONVERSION, NAVY

WEAPONS SYSTEM COST ANALYSIS (EXHIBIT P-5)

(Dollars in Thousands)

BUDGET ACTIVITY: 3

P-1 ITEM NOMENCLATURE: LPD-17

SUBHEAD: 8317

AMPHIBIOUS SHIPS

AMPHIBIOUS TRANSPORT DOCK

ELEMENT OF COST	FY 1996		FY 1999		FY 2000		FY 2003		FY 2004		FY 2005	
	QTY	TOT COST										
PLAN COSTS	1	0	1	0	2	0	1	0	1	0	1	0
BASIC CONSTRUCTION		1,396,028		725,988		1,458,101		798,446		844,286		819,189
CHANGE ORDERS		98,600		72,801		98,205		36,768		42,342		41,468
ELECTRONICS		142,669		138,735		260,367		170,832		202,502		171,129
PROPULSION EQUIPMENT		0		0		0		0		0		0
HM&E		57,727		18,487		55,995		54,658		60,576		15,492
OTHER COST		13,067		7,308		2,929		9,043		10,510		10,025
ORDNANCE		49,968		47,795		102,905		68,569		86,521		51,194
ESCALATION		0		0		0		0		0		0
TOTAL SHIP ESTIMATE		1,758,059		1,011,114		1,978,502		1,138,316		1,246,736		1,108,498
LESS: ADVANCE PROCUREMENT (FY98)				96,026								
LESS: ADVANCE PROCUREMENT (FY01)								399,706		64,067		8,000
LESS: ADVANCE PROCUREMENT (FY02)								154,249				
LESS: ADVANCE PROCUREMENT (FY03)												0
LESS: ADVANCE PROCUREMENT (FY04)												0
LESS: ADVANCE PROCUREMENT (FY04)												133,939
LESS: FY 2000 TRANSFER		26,984										
LESS: FY 2001 SUPPLEMENTAL TRANSFER		113,000										
LESS: FY 2002 TRANSFER				90,783								
LESS: FY02 COST TO COMPLETE		172,956										
LESS: FY 2003 TRANSFER				20,220								
LESS: FY03 COST TO COMPLETE		300,681		82,000		187,000						
LESS: FY04 COST TO COMPLETE		95,300		51,100		112,778						
LESS: FY05 COST TO COMPLETE		55,000		38,100		171,681						
LESS: FY06 COST TO COMPLETE		0		0		6,808						
NET P-1 LINE ITEM		994,138		632,885		1,500,235		584,361		1,182,669		966,559
Appropriation for Prior Year Ships						26,984						
Total P-1 LINE ITEM						1,527,219						

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APPROPRIATION: SHIPBUILDING AND  
CONVERSION, NAVY

P-5 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

WEAPONS SYSTEM COST ANALYSIS (EXHIBIT P-5)  
(Dollars in Thousands)

ELEMENT OF COST	FY 2006		FY 2007		FY 2008		FY 2009	
	QTY	TOT COST						
PLAN COSTS	1	0	1	0	1	0	1	0
BASIC CONSTRUCTION		825,500		832,686		853,600		875,443
CHANGE ORDERS		41,275		41,608		42,680		43,777
ELECTRONICS		165,369		197,324		196,679		197,854
PROPULSION EQUIPMENT		0		0		0		0
HM&E		11,614		42,919		44,983	0	44,053
OTHER COST		9,345		10,230		10,295		10,300
ORDNANCE		50,687		74,964		77,225		82,529
ESCALATION		0		0		0		0
TOTAL SHIP ESTIMATE		1,103,789		1,199,731		1,225,462		1,253,956
LESS: ADVANCE PROCUREMENT (FY01)		8,700						
NET P-1 LINE ITEM		1,095,089		1,199,731		1,225,462		1,253,956

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P-5B EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Basic/Escalation

Ship Type: LPD 17

I. Design Schedule

	<u>Start</u>	<u>Complete</u>
Preliminary Design	JAN 1993	NOV 1993
Contract Design	DEC 1993	MAR 1996
Issue Date for TOR	-	SEP 1988
Detail Design	DEC 1996	JUL 2002

II. Classification of Cost Estimates

CLASS C

III. Basic Construction/Conversion

	<u>FY96 (0001)</u>	<u>FY99 (0001)</u>	<u>FY00 (0001)</u>	<u>FY00 (0002)</u>	<u>FY03 (0001)</u>	<u>FY04 (0001)</u>	<u>FY05 (0001)</u>
a. RFP Response Date	JUN 1996	JUN 1996	JUN 1996	OCT 1999	JAN 2003	MAR 2004	SEP 2004
b. Award Date	DEC 1996	DEC 1998	FEB 2000	MAY 2000	NOV 2003	JUN 2004	DEC 2004
c. Contract Type	CPIF	CPIF	CPIF	CPIF	CPIF	FPIF/AF	FPIF/AF

IV. Escalation

Base Date	FORWARD PRICED	FORWARD PRICED	FORWARD PRICED	FORWARD PRICED	FORWARD PRICED	JUL 2003	JUL 2004
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SHIPBUILDING AND CONVERSION, NAVY  
SHIP PRODUCTION SCHEDULE

EXHIBIT P-27  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIP TYPE	HULL NUMBER	SHIPBUILDER	FISCAL YEAR AUTHORIZED	CONTRACT AWARD	START OF CONSTRUCTION	DELIVERY DATE
LPD 9601	LPD 17	NGSSAO	1996	DECEMBER 1996	JUNE 2000	DECEMBER 2004
LPD 9901	LPD 18	NGSSAO	1999	DECEMBER 1998	FEBRUARY 2002	SEPTEMBER 2005
LPD 0001	LPD 19	NGSSAO	2000	FEBRUARY 2000	JULY 2001	DECEMBER 2005
LPD 0002	LPD 20	NGSSAO	2000	MAY 2000	OCTOBER 2002	JUNE 2006
LPD 0301	LPD 21	NGSSAO	2003	NOVEMBER 2003	MARCH 2004	AUGUST 2007
LPD 0401	LPD 22	NGSSAO	2004	JUNE 2004	DECEMBER 2004	JUNE 2008
LPD 0501	LPD 23	NGSSAO	2005	DECEMBER 2004	DECEMBER 2005	JUNE 2009
LPD 0601	LPD 24	NGSSAO	2006	DECEMBER 2005	DECEMBER 2006	JUNE 2010
LPD 0701	LPD 25	NGSSAO	2007	DECEMBER 2006	DECEMBER 2007	JUNE 2011
LPD 0801	LPD 26	NGSSAO	2008	DECEMBER 2007	DECEMBER 2008	JUNE 2012
LPD 0901	LPD 27	NGSSAO	2009	DECEMBER 2008	DECEMBER 2009	JUNE 2013
LPD 1001	LPD 28	NGSSAO	2010	DECEMBER 2009	DECEMBER 2010	JUNE 2014

UNCLASSIFIED

CLASSIFICATION

P-8A EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17	(1) FY 96		(1) FY 99		(2) FY 00		(0) FY 01		(0) FY 02		(1) FY 03		(1) FY 04		(1) FY 05	
	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST	QTY	TOT COST
<b>ELECTRONIC EQUIPMENT</b>																
a. P-35 Items																
1. C4ISR	1	63,525	1	64,216	2	121,880	0	0	0	0	1	69,162	1	69,586	1	70,415
2. SSDS Mark 2	1	34,520	1	32,692	2	64,406	0	0	0	0	1	30,733	1	22,757	1	23,239
3. CEC (FY 96-00 included in SSDS MK2)	0	0	0	0	0	0	0	0	0	0	1	6,833	1	5,898	1	6,636
4. MK 12 AIMS IFF	1	5,819	1	5,255	2	10,374	0	0	0	0	1	5,455	1	5,823	1	6,308
5. AN/SLQ-32(V)2 (Refurb)	1	4,343	1	4,753	2	9,706	0	0	0	0	1	5,165	1	5,366	1	5,378
Subtotal		108,207		106,916		206,366		0		0		117,348		109,430		111,976
b. Major Items																
1. NULKA	1	1,588	1	1,298	2	2,725	0	0	0	0	1	1,546	1	1,578	1	1,578
2. AMPHIB ASSAULT DIR SYSTEM	1	3,402	1	3,416	2	6,738	0	0	0	0	1	3,237	1	3,305	1	2,767
3. BATTLE FORCE TACTICAL TRAINER	1	5,700	1	4,545	2	9,270	0	0	0	0	1	4,912	1	5,015	1	4,286
4. NIXIE	1	975	1	964	2	1,014	0	0	0	0	1	937	1	1,135	1	1,140
5. RADIAC	1	131	1	142	2	267	0	0	0	0	1	141	1	144	1	130
6. UNMANNED AERIAL VEHICLES	0	0	0	0	0	0	0	0	0	0	1	3,880	1	3,962	1	4,045
7. SIGNAL INTELLIGENCE	0	0	0	0	0	0	0	0	0	0	1	1,080	1	1,103	1	1,126
8. AN/S[Q-14 (FY 96-00 included in SSDS MK2)	0	0	0	0	0	0	0	0	0	0	1	1,244	1	1,285	1	1,472
Subtotal		11,796		10,365		20,014		0		0		16,977		17,527		16,544
c. Other Electronics		22,666		21,454		33,987		0		0		36,507		75,545		42,609
<b>TOTAL ELECTRONICS</b>		<b>142,669</b>		<b>138,735</b>		<b>260,367</b>		<b>0</b>		<b>0</b>		<b>170,832</b>		<b>202,502</b>		<b>171,129</b>

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P-8A EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17

	(1)		(1)		(1)		(1)	
	FY 06		FY 07		FY 08		FY 09	
	<u>QTY</u>	<u>TOT COST</u>						
<b>ELECTRONIC EQUIPMENT</b>								
a. P-35 Items								
1. C4ISR	1	67,555	1	75,067	1	75,523	1	76,398
2. SSDS Mark 2	1	23,856	1	24,639	1	25,139	1	25,456
3. CEC (FY 96-00 included in SSDS MK2)	1	6,728	1	6,822	1	6,918	1	7,164
4. MK 12 AIMS IFF	1	6,339	1	6,020	1	5,755	1	5,846
5. AN/SLQ-32(V)2 (Refurb)	1	5,572	1	5,678	1	5,792	1	5,907
Subtotal		110,051		118,226		119,127		120,772
b. Major Items								
1. NULKA	1	1,582	1	1,582	1	1,601	1	1,601
2. AMPHIB ASSAULT DIR SYSTEM	1	2,767	1	2,833	1	2,833	1	2,874
3. BATTLE FORCE TACTICAL TRAINER	1	4,595	1	4,682	1	4,685	1	4,639
4. NIXIE	1	1,140	1	1,140	1	1,140	1	1,140
5. RADIAC	1	130	1	130	1	130	1	130
6. UNMANNED AERIAL VEHICLES	1	4,130	1	4,217	1	4,305	1	4,396
7. SIGNAL INTELLIGENCE	1	1,150	1	1,174	1	1,199	1	1,224
8. AN/S[Q-14 (FY 96-00 included in SSDS MK2)	1	1,513	1	1,622	1	1,722	1	1,735
Subtotal		17,007		17,380		17,615		17,739
c. Other Electronics		38,311		61,718		59,937		59,343
<b>TOTAL ELECTRONICS</b>		<b>165,369</b>		<b>197,324</b>		<b>196,679</b>		<b>197,854</b>

UNCLASSIFIED  
CLASSIFICATION

P-8A EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17	(1) FY 96		(1) FY 99		(2) FY 00		(0) FY 01		(0) FY 02		(1) FY 03		(1) FY 04		(1) FY 05	
	<u>QTY</u>	<u>TOT COST</u>														
HM&E EQUIPMENT																
a. P-35 Items																
NONE																
Subtotal		0		0		0		0		0		0		0		0
b. Major Items																
1. Boats	3	865	3	833	6	1,562	0	0	0	0	3	912	3	937	3	967
2. CCTV, Site 400	1	340	1	325	2	631					1	359	1	376	1	381
3. Truck, Forklift	14	639	14	873	14	1,536					14	929	14	948	14	989
4. Chemical Warfare Detector	1	28	1	28	2	56					1	177	1	173	1	184
5. Military Payroll System	0	0	0	0	0	0					1	250	1	255	1	266
Subtotal		1,872		2,059		3,785						2,627		2,689		2,787
c. Other HM&E		55,855		16,428		52,210		0		0		52,031		1	57,887	12,705
(Includes Shock Test, \$28.0 million in FY 1996 for LPD17)																
TOTAL HM&E		57,727		18,487		55,995		0		0		54,658		60,576		15,492

UNCLASSIFIED

CLASSIFICATION

P-8A EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17

	(1)	(1)	(1)	(1)				
	FY 06	FY 07	FY 08	FY 09				
	<u>QTY</u>	<u>TOT COST</u>						
HM&E EQUIPMENT								
a. P-35 Items								
Subtotal		0		0		0		0
b. Major Items								
1. Boats	3	993	3	1,024	3	1,056	3	1,088
2. CCTV, Site 400	1	385	1	387	1	399	1	406
3. Truck, Forklift	14	1,009	14	1,029	14	1,050	14	1,071
4. Chemical Warfare Detector	1	188	1	191	1	195	1	199
5. Military Payroll System	1	272	1	277	1	283	1	289
Subtotal		2,846		2,909		2,983		3,053
c. Other HM&E		8,768		40,010		42,000		41,000
TOTAL HM&E		11,614		42,919		44,983		44,053

UNCLASSIFIED  
CLASSIFICATION

P-8A EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17	(1) FY 96		(1) FY 99		(2) FY 00		(0) FY 01		(0) FY 02		(1) FY 03		(1) FY 04		(1) FY 05	
	<u>QTY</u>	<u>TOT COST</u>														
ORDNANCE EQUIPMENT																
a. P-35 Items																
1. RAM Missile System	2	19,900	2	19,348	4	40,615	0	0	0	0	2	11,560	2	11,228	2	19,828
2. AN/SPS-48E	1	10,659	1	10,188	2	21,326	0	0	0	0	1	13,325	1	14,844	1	15,911
3. SPQ-9B	1	5,740	1	5,136	2	13,224	0	0	0	0	1	6,544	1	6,231	1	8,578
Subtotal		36,299		34,672		75,165		0		0		31,429		32,303		44,317
b. Major Items																
1. 50 CAL Machine Gun	2	35	2	30	4	84	0	0	0	0	2	43	2	20	2	20
2. Flight Cntrl & Instrument Landing System with Helicopter Operations Surveillance System and Dynamic Interface Test	1	1,992	1	600	2	976	0	0	0	0	1	659	1	659	1	633
3. MK46 Gun Barrels	2	641	2	541	4	1,082	0	0	0	0	2	650	2	754	2	869
4. Ordnance Handling Equipment														355		355
Subtotal		2,668		1,171		2,142		0		0		1,352		1,788		1,877
c. Other Ordnance		11,001		11,952		25,598		0		0		35,788		52,430		5,000
TOTAL ORDNANCE		49,968		47,795		102,905		0		0		68,569		86,521		51,194

UNCLASSIFIED

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P-8A EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

SHIPBUILDING AND CONVERSION, NAVY  
Analysis of Ship Cost Estimates - Major Equipment  
(Dollars in Thousands)

Ship Type: LPD 17

	(1) FY 06		(1) FY 07		(1) FY 08		(1) FY 09	
	<u>QTY</u>	<u>TOT COST</u>						
ORDNANCE EQUIPMENT								
a. P-35 Items								
1. RAM Missile System	2	19,828	2	27,270	2	27,816	2	28,400
2. AN/SPS-48E	1	16,484	1	16,465	1	17,039	1	18,331
3. SPQ-9B	1	8,517	1	8,688	1	8,652	1	8,698
Subtotal		44,829		52,423		53,507		55,429
b. Major Items								
1. 50 CAL Machine Gun	2	20	2	21	2	21	2	22
2. Flight Cntrl & Instrument Landing System with Helicopter Operations Surveillance System and Dynamic Interface Test	1	693	1	707	1	721	1	735
3. MK46 Gun Barrels	2	789	2	797	2	811	2	762
4. Ordnance Handling Equipment		355		355		355		355
Subtotal		1,857		1,880		1,908		1,874
c. Other Ordnance		4,000		20,661		21,809		25,226
TOTAL ORDNANCE		50,687		74,964		77,225		82,529

UNCLASSIFIED  
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P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17

Item - Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

To provide the link between the ship, the command hierarchy and other units of the operating forces.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	1	24,190	0	0	0	0	1	23,023	2	42,495	0	0	0	0	1	29,914	1	30,394	1	31,587
Ancillary Equipment		52						172		415						415		425		501
Documentation and Systems Engineering		3,469						5,150		7,373						3,705		3,102		2,653
Software		111						550		714						750		578		1,061
Technical Engineering		2,922						2,120		4,231						2,710		2,783		3,178
Spares		1,580						465		1,978						1,507		1,357		962
Other Appropriate Costs		2,342						5,133		9,084						5,106		4,857		4,938
Turnkey		<u>28,859</u>						<u>27,603</u>		<u>55,590</u>						<u>25,055</u>		<u>26,090</u>		<u>25,535</u>
TOTAL		63,525						64,216		121,880						69,162		69,586		70,415

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVER</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED  
 CLASSIFICATION

P-35 EXHIBIT  
 FY 2005 PRESIDENT'S BUDGET  
 FEB 2004

Ship Type - LPD 17

Item - Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

To provide the link between the ship, the command hierarchy and other units of the operating forces.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	32,177	1	38,563	1	38,487	1	38,640
Ancillary Equipment		514		520		500		500
Documentation and Systems Engineering		2,848		2,870		2,896		2,954
Software		619		1,122		1,140		1,154
Technical Engineering		3,174		3,322		3,257		3,322
Spares		971		1,052		1,073		1,095
Other Appropriate Costs		4,377		5,326		5,433		5,541
Turnkey		<u>22,875</u>		<u>22,292</u>		<u>22,738</u>		<u>23,193</u>
TOTAL		67,555		75,067		75,523		76,398

III. CONTRACT DATA:

PROGRAM		HARDWARE	CONTRACT
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>
			<u>AWARD DATE</u>

IV. DELIVERY DATA:

PROGRAM	SHIP	EARLIEST SHIP	MONTHS REQ.	PRODUCTION	REQUIRED
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED  
CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17  
Item - Ship Self Defense System Mark 2

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Ship Self Defense System Mark 2 is microcomputer-based, self-defense coordination system that integrates and automates multiple sensors, self defense weapons, and softkill systems to provide quick reaction combat capability against anti-ship cruise missile threats. Cooperative Engagement Capability (CEC) coordinates all anti-air warfare sensors into single, real time, fire control quality composite track which improves battle force air defense (CEC funding is included FY 96-00).

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	1	17,316	0	0	0	0	1	17,570	2	27,540	0	0	0	0	1	11,250	1	10,650	1	11,250
Ancillary Equipment		0						0		0						0		0		0
Systems Engineering		2,828						3,468		0						1,833		1,050		600
Technical Data and Documentation		231						391		4,135						0		0		0
Technical Engineering		3,739						391		13,303						402		402		402
Spares		943						2,287		2,897						808		808		587
Other Appropriate Costs		<u>9,463</u>						<u>8,585</u>		<u>16,531</u>						<u>16,440</u>		<u>9,847</u>		<u>10,400</u>
TOTAL		34,520						32,692		64,406						30,733		22,757		23,239

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - Ship Self Defense System Mark 2

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Ship Self Defense System Mark 2 is microcomputer-based, self-defense coordination system that integrates and automates multiple sensors, self defense weapons, and softkill systems to provide quick reaction combat capability against anti-ship cruise missile threats. CEC funding is included FY 96-00.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	10,650	1	10,650	1	10,650	1	11,250
Ancillary Equipment		0		0		0		0
Systems Engineering		665		600		600		665
Technical Data and Documentation		0		0		0		0
Technical Engineering		402		402		402		402
Spares		587		587		587		587
Other Appropriate Costs		<u>11,552</u>		<u>12,400</u>		<u>12,900</u>		<u>12,552</u>
TOTAL		23,856		24,639		25,139		25,456

III. CONTRACT DATA:

<u>PROGRAM</u>		<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>
			<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED  
CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17  
Item - CEC AN/USG-2(V)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Cooperative Engagement Capability (CEC) coordinates all anti-warfare sensors into single, real time, fire control quality composite track which improves battle force air defense.  
FY 96-00 CEC funding is included with SSDS Mark 2.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4,868	1	4,516	1	4,606
Ancillary Equipment		0						0		0						0		0		0
Systems Engineering		0						0		0						425		500		500
Technical Data and Documentation		0						0		0						0		0		0
Technical Engineering		0						0		0						300		221		300
Spares		0						0		0						395		409		395
Other Appropriate Costs		0						0		0						845		252		835
TOTAL		0						0		0						6,833		5,898		6,636

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - CEC AN/USG-2(V)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Cooperative Engagement Capability (CEC) coordinates all anti-warfare sensors into single, real time, fire control quality composite track which improves battle force air defense.

FY 96-00 CEC funding is included with SSDS Mark 2.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	4,698	1	4,792	1	4,888	1	4,986
Ancillary Equipment		0		0		0		0
Systems Engineering		500		500		500		550
Technical Data and Documentation		0		0		0		0
Technical Engineering		300		300		300		365
Spares		395		395		395		395
Other Appropriate Costs		<u>835</u>		<u>835</u>		<u>835</u>		<u>868</u>
TOTAL		6,728		6,822		6,918		7,164

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVER</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17

Item - MK 12 AIMS IFF [AN/UPX-28 ]

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The Transponder Set is an Automatic Identification and Monitoring System (AIMS) Identification Friend or Foe (IFF) system that receives interrogation signals from air, surface and land IFF - equipped units and automatically replies with a coded response signal that provides ownship position and identification.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY04</u>	<u>QTY</u>	<u>FY05</u>
Major Hardware	1	3,234	0	0	0	0	1	3,434	2	6,624	0	0	0	0	1	3,651	1	3,867	1	4,310
Ancillary Equipment		10						236		474						35		96		112
Systems Engineering		892						843		1,002						342		1,320		1,241
Technical Data and Documentation		0						93		186						273		0		105
Technical Engineering		190						0		300						238		0		0
Spares		1,060						130		1,090						308		155		155
Other Appropriate Costs		<u>433</u>						<u>519</u>		<u>698</u>						<u>610</u>		<u>385</u>		<u>385</u>
TOTAL		5,819						5,255		10,374						5,455		5,823		6,308

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>
	<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - MK 12 AIMS IFF [AN/UPX-28 ]

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The Transponder Set is an Automatic Identification and Monitoring System (AIMS) Identification Friend or Foe (IFF) system that receives interrogation signals from air, surface and land IFF - equipped units and automatically replies with a coded response signal that provides ownship position and identification.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY09</u>
Major Hardware	1	4,396	1	4,484	1	4,574	1	4,665
Ancillary Equipment		112		112		112		112
Systems Engineering		1,216		934		674		674
Technical Data and Documentation		105		105		105		105
Technical Engineering		0		0		0		0
Spares		155		140		125		125
Other Appropriate Costs		<u>355</u>		<u>245</u>		<u>165</u>		<u>165</u>
TOTAL		6,339		6,020		5,755		5,846

III. CONTRACT DATA:

<u>PROGRAM</u>		<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>
			<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT  
 FY 2005 PRESIDENT'S BUDGET  
 FEB 2004

Ship Type - LPD 17

Item - AN/SLQ-32(V)2 (Refurbished)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SLQ-32(V)2 is a passive electronics countermeasure system.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	1	3,203	0	0	0	0	1	3,897	2	7,958	0	0	0	0	1	4,235	1	3,613	1	3,592
Ancillary Equipment		177						186		380						202		158		160
Systems Engineering		0						0		0						0		0		0
Technical Data and Documentation		1						2		4						2		1		1
Technical Engineering		196						290		592						315		327		334
Spares		62						78		159						85		132		135
Other Appropriate Costs		<u>704</u>						<u>300</u>		<u>613</u>						<u>326</u>		<u>1,135</u>		<u>1,156</u>
TOTAL		4,343						4,753		9,706						5,165		5,366		5,378

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - AN/SLQ-32(V)2 (Refurbished)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SLQ-32(V)2 is a passive electronics countermeasure system.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	3,751	1	3,821	1	3,897	1	3,975
Ancillary Equipment		164		168		171		175
Systems Engineering		0		0		0		0
Technical Data and Documentation		1		1		1		1
Technical Engineering		341		347		354		361
Spares		137		140		143		146
Other Appropriate Costs		<u>1,178</u>		<u>1,201</u>		<u>1,225</u>		<u>1,250</u>
TOTAL		5,572		5,678		5,792		5,907

III. CONTRACT DATA:

<u>PROGRAM</u>			<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT  
 FY 2005 PRESIDENT'S BUDGET  
 FEB 2004

Ship Type - LPD 17

Item - RAM Missile System [MK31 MOD 0 ]

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The Rolling Airframe Missile system is a short-range, fast-reaction, high-firepower, lightweight weapon designed to destroy incoming anti-ship cruise missiles.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	2	11,538	0	0	0	0	2	10,325	4	22,363	0	0	0	0	2	8,785	2	8,785	2	10,861
Ancillary Equipment		588						485		970						0		0		485
Systems Engineering		433						3,990		7,675						1,318		1,508		3,799
Technical Data and Documentation		0						0		0						0		0		0
Technical Engineering		3,384						0		0						1,457		935		25
Spares		474						371		1,000						0		0		121
Other Appropriate Costs		<u>3,483</u>						<u>4,177</u>		<u>8,607</u>						<u>0</u>		<u>0</u>		<u>4,537</u>
TOTAL END COST		19,900						19,348		40,615						11,560		11,228		19,828
Advance Procurement FY01 for FY05*													8,000							
Advance Procurement FY01 for FY06*													8,700							

\* Provides economic order quantity for Rolling Airframe Missile System multiyear procurement

Total Obligational Authority FY01 16,700

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17

Item - RAM Missile System [MK31 MOD 0 ]

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The Rolling Airframe Missile system is a short-range, fast-reaction, high-firepower, lightweight weapon designed to destroy incoming anti-ship cruise missiles.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	2	10,620	2	17,869	2	18,226	2	18,609
Ancillary Equipment		485		495		505		516
Systems Engineering		3,899		3,981		4,060		4,146
Technical Data and Documentation		0		0		0		0
Technical Engineering		25		26		26		27
Spares		121		124		126		129
Other Appropriate Costs		<u>4,678</u>		<u>4,776</u>		<u>4,872</u>		<u>4,974</u>
TOTAL END COST		19,828		27,270		27,816		28,400

NOTE: LPD 25-28 ARE NO LONGER PART OF THE MULTIYEAR CONTRACT.

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED  
CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17  
Item - AN/SPS-48E (Refurbished)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SPS-48E is a long-range, three dimensional, air-search radar system that provides contact range, bearing, and height information.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	1	8,265	0	0	0	0	1	7,787	2	15,904	0	0	0	0	1	6,150	1	10,965	1	11,765
Ancillary Equipment		0						0		0						135		120		120
Systems Engineering		216						222		947						710		0		0
Technical Data and Documentation		108						111		228						150		35		35
Technical Engineering		216						668		458						1,450		633		660
Spares		300						242		976						400		200		200
Other Appropriate Costs		<u>1,554</u>						<u>1,158</u>		<u>2,813</u>						<u>4,330</u>		<u>2,891</u>		<u>3,131</u>
TOTAL		10,659						10,188		21,326						13,325		14,844		15,911

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>HARDWARE</u>	<u>CONTRACT</u>		
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - AN/SPS-48E (Refurbished)

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SPS-48E is a long-range, three dimensional, air-search radar system that provides contact range, bearing, and height information.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	12,015	1	12,255	1	12,500	1	12,750
Ancillary Equipment		120		120		120		120
Systems Engineering		0		0		0		0
Technical Data and Documentation		35		40		40		45
Technical Engineering		665		672		682		706
Spares		200		200		200		200
Other Appropriate Costs		<u>3,449</u>		<u>3,178</u>		<u>3,497</u>		<u>4,510</u>
TOTAL		16,484		16,465		17,039		18,331

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>HARDWARE</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED  
CLASSIFICATION

P-35 EXHIBIT  
FY 2005 PRESIDENT'S BUDGET  
FEB 2004

Ship Type - LPD 17  
Item - AN/SPQ-9B

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SPQ-9B is a high resolution, X-band, narrow beam radar that provides both air and surface tracking information.

<u>II. CURRENT FUNDING:</u>	<u>QTY</u>	<u>FY 96</u>	<u>QTY</u>	<u>FY 97</u>	<u>QTY</u>	<u>FY 98</u>	<u>QTY</u>	<u>FY 99</u>	<u>QTY</u>	<u>FY 00</u>	<u>QTY</u>	<u>FY 01</u>	<u>QTY</u>	<u>FY 02</u>	<u>QTY</u>	<u>FY 03</u>	<u>QTY</u>	<u>FY 04</u>	<u>QTY</u>	<u>FY 05</u>
Major Hardware	1	4,080	0	0	0	0	1	4,433	2	9,480	0	0	0	0	1	5,284	1	4,797	1	6,208
Ancillary Equipment		0						0		0						0		0		0
Systems Engineering		233						277		1,390						151		250		306
Technical Data and Documentation		200						100		200						241		62		100
Technical Engineering		145						46		0						35		478		554
Spares		647						210		460						327		100		107
Other Appropriate Costs		<u>435</u>						<u>70</u>		<u>1,694</u>						<u>507</u>		<u>544</u>		<u>1,303</u>
TOTAL		5,740						5,136		13,224						6,544		6,231		8,578

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>HARDWARE</u>	<u>CONTRACT</u>		
<u>YEAR</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>MONTHS REQ.</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES:

UNCLASSIFIED

CLASSIFICATION

P-35 EXHIBIT

FY 2005 PRESIDENT'S BUDGET

FEB 2004

Ship Type - LPD 17

Item - AN/SPQ-9B

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The AN/SPQ-9B is a high resolution, X-band, narrow beam radar that provides both air and surface tracking information.

II. CURRENT FUNDING:

	<u>QTY</u>	<u>FY 06</u>	<u>QTY</u>	<u>FY 07</u>	<u>QTY</u>	<u>FY 08</u>	<u>QTY</u>	<u>FY 09</u>
Major Hardware	1	6,319	1	6,445	1	6,574	1	6,706
Ancillary Equipment		0		0		0		0
Systems Engineering		271		276		246		231
Technical Data and Documentation		100		102		100		100
Technical Engineering		503		513		465		438
Spares		109		111		111		113
Other Appropriate Costs		<u>1,215</u>		<u>1,239</u>		<u>1,156</u>		<u>1,110</u>
TOTAL		8,517		8,688		8,652		8,698

III. CONTRACT DATA:

<u>PROGRAM</u>	<u>CONTRACTOR</u>	<u>QUANTITY</u>	<u>CONTRACT</u>
<u>YEAR</u>			<u>AWARD DATE</u>

IV. DELIVERY DATA:

<u>PROGRAM</u>	<u>SHIP</u>	<u>EARLIEST SHIP</u>	<u>PRODUCTION</u>	<u>REQUIRED</u>
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>LEAD TIME</u>	<u>AWARD DATE</u>

V. COMPETITION/SECOND SOURCE INITIATIVES: