

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2004					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY; BA-1: Ships Support Equipment							P-1 ITEM NOMENCLATURE VIRGINIA Class SSN Support Equipment BLI: 094200					
Program Element for Code B Items:							Other Related Program Elements RDT&E PE 0604558N / SCN PE 0204281N					
	Prior Years	ID Code	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)	0		\$0.0	\$0.0	\$0.0	\$56.1	\$189.1	\$187.3	\$192.7	\$218.7	Cont.	Cont.
SPARES COST (In Millions)	0		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<p>This provides a wide range of material required to operate, test , support and maintain the viability of VIRGINIA SSN774 Class ships. The "Major Shore Spares" component includes rotatable pool and insurance spares. Rotatable pool assets support planned maintenance during scheduled availabilities by decreasing equipment turn-around time/availability duration . Candidate rotatable pool program equipment includes the high pressure air compressor, various pump/motor assemblies, radar mast, ventilation fans and Thinline Towed Array components and others. Insurance spares (which include a main propulsion unit and ship service turbine generator) potentially support unplanned equipment replacement due to a casualty or emergent maintenance requirement. Insurance spares availability reduces the likelihood an operating ship will be materially impaired for an undetermined period or the construction schedule extended.</p> <p>This funding line also includes upgrading the afloat acoustic system required to conduct TECHEVAL/OPEVAL satisfactorily, efficiently and with minimal risk of equipment failure. Additional funding in this area also provides for West Coast test and repair of operating VIRGINIA Class ships requiring a Magnetic Silencing Facility (MSF). Some Test and Evaluation (T&E) Measuring Equipment upgrades to underwater acoustic ranges are necessary to support class acoustic profiles T&E.</p> <p>This funding line includes funds in FY05/06/07 to procure material components and system components required to complete the Southeast Alaska Acoustic Measurement Facility (SEAFAC) Range Upgrade Program that is also funded under RDT&E,N PE0604561/F9233 and F1946 (SEAWOLF Program). The SEAFAC range located on the West Coast will be upgraded with new underwater acoustic measurement systems capable of measuring new generation quiet-class VIRGINIA and SEAWOLF submarines stationed in the Pacific fleet.</p> <p>Also included is the Vertical Launch System (VLS) Peculiar Support Equipment (PSE) (Primarily All-up Round Simulators (AURS)/All-up Round (AUR) Ballast Cans) necessary to conduct TECHEVAL/OPEVAL and provide ballast for ship operation.</p> <p>Components necessary to initiate maintenance and support activities are also included under this line. The Intermediate (I) and Depot (D) level support and test equipment (e.g. sail raceway, cofferdams, etc.) necessary to conduct I and D level repairs is provided for here. Also included is a Command, Control, Communications and Intelligence (C3I) Integrated Test and Maintenance System (ITMS) to provide the necessary tool for efficient Engineering Change Proposal (ECP) development, component problem isolation and identification, and more rapid resolution of Fleet Problem Trouble Reports (PTR) and updates to operational guidelines. Finally, it includes selected VIRGINIA-unique test equipment for maintenance and new component evaluation/checkout.</p> <p>Two VIRGINIA Class trainers are also included in this funding line. The External Communications Systems (ECS) trainer supports training of communications personnel and the VIRGINIA Ship Control Operator Trainer (VSCOT) supports a second training site for navigation team training and certification.</p> <p>Initial Special Operations Forces (SOF) funding supplies Lockout Trunk (LOT) items for SOF certification. Outyear funding is for recompression equipment and Reconfigurable Berthing Structures.</p> <p>Finally, the continuous ship upgrades necessary to maintain class viability of the earlier ships are included in this funding line. This is particularly important for Commercial Off the Shelf (COTS) Technology Refreshment and Technology Upgrades for Non-Propulsion Electronic Systems. The class level of modernization, and capability rests on available resources. Provides for the transition to a common Navy electronic chart distribution system for the Submarine Force called the Voyage Management System (VMS).</p>												

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System							DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-1: Ships Support Equipment				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD VIRGINIA CLASS SSN Support Equipment BLI: 094200 / H1RC										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	SPONSOR: N77														
H1RC01	VIRGINIA Class SOF Support											2	0.375	750	
H1RC02	Test & Evaluation (T&E) Measuring Equipment											Various		10,712	
H1RC03	VLS Peculiar Support Equipment											Various		5,701	
H1RC04	VA Ship Control Operator (VSCOT) Trainer														
H1RC05	External Communication System (ECS) Trainer														
H1RC06	Major Shore Spares (General)											Various		968	
H1RC07	Intermediate & Depot (I&D) Support Equipment											Various		2,785	
H1RC08	West Coast SEAFAC											Various		15,000	
H1RC09	Voyage Management System											Various		1,990	
H1RC10	VIRGINIA Class Support Equipment											Various		15,039	
H1RC11	Integrated Test & Maintenance System (ITMS)														
H1RC12	Magnetic Silencing Facility (MSF) Equipment														
H1RC13	Modernization & Technology Upgrades											Various		3,106	
			0				0				0			56,051	

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			DATE:		February 2004	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
BA-1: SHIPS SUPPORT EQUIPMENT					VIRGINIA CLASS SSN Support Equipment BLI: 094200					H1RC	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
FY2005											
VIRGINIA Class SOF Support	2	375	NAVSEA	Sep-04	SS/FFP	GUAM INC. Robbinsville, NJ	Mar-05	Sep-05	Yes		
Test & Evaluation (T&E) Measuring Equipment											
Hayes HGA - HF Baffled Cylinder Array	1	1,500	NSWCCD Code 33	Jul-04	SS/FFP	Northrup Grumman, Annapolis, MD	Feb-05	Mar-07	Yes	TBD	
Hayes HGA - Beamformer	1	3,100	NSWCCD Code 33	Jun-04	Comp - CPFF-DO	Planning Systems, Inc., Reston, VA	Feb-05	Jun-07	Yes	TBD	
Hayes HGA - Telemetry System - Leg 1	1	4,000	NSWCCD Code 33	Jul-04	Comp - CPFF-DO	TBD	Feb-05	Nov-07	Yes	TBD	
ATOMS 2nd System	1	1,800	NSWCCD Code 33	Jul-04	Comp - CPFF-DO	TBD	Apr-05	Apr-06	Yes	TBD	
Data Storage Arrays	Various	312	NSWCCD Code 33	Jul-04	Comp - CPFF-DO	TBD	Apr-05	Apr-06	Yes	TBD	
VLS Peculiar Support Equipment (VLS-PSE) Total											
AUR Vol Shapes	14	305	NUWC	Nov-04	FP OPTION	AC Inc. Huntsville, AL	Dec-04	Feb-05	Yes	Oct-03	
AUR Ballast Cans	20	28	NUWC	Nov-04	FP OPTION	Penn Iron Works, Sinking Springs, PA	Dec-04	Feb-05	Yes	Oct-03	
AURES MK 112 Production	6	100	NAVSEA	Nov-04	WR	NUWC/KPT	Dec-04	Feb-05	Yes	Oct-03	
VLS PSE, All Others	1	271	NAVSEA	Nov-04	WR	NUWC/NPT	Dec-04	Apr-05	Yes	Oct-03	
Major Shore Spare (Rotatable Pool) Total											
Thin Line Towed Array Items	Various	635	NAVSEA	TBD	TBD	TBD	Dec-04	Jun-05	TBD	TBD	
ILPE Items	Various	333	NAVSEA	TBD	TBD	TBD	Dec-04	Dec-05	TBD	TBD	
Intermediate & Depot (I&D) Support Equipment Total											
Imaging Handling and Support Equipment	2	445	TBD	TBD	TBD	TBD	TBD	TBD	No	TBD	
Diesel Engine Support Equipment	1	103	TBD	TBD	TBD	TBD	TBD	TBD	No	TBD	
Sail Racetrack	1	155	SSSU NLON	NA	TBD	NSSF NLON	Nov-04	May-05	Yes	TBD	
Sonar WAA Camels (Ship Set)	2	226	TBD	TBD	TBD	TBD	TBD	TBD	Yes	TBD	
Sonar WAA Separators (Ship Set)	2	103	TBD	TBD	TBD	TBD	TBD	TBD	Yes	TBD	
Towed Array Handling gear	1	156	TBD	TBD	TBD	TBD	TBD	TBD	No	TBD	
Weapons Cradle Storage and Shipping Containers	6	36	TBD	TBD	TBD	TBD	TBD	TBD	Yes	TBD	
Cradle Lock Motor Controller for EMAs (Bench Test Set)	1	103	TBD	TBD	TBD	TBD	TBD	TBD	No	TBD	
Miscellaneous Support Equipment	1	504	TBD	TBD	TBD	TBD	TBD	TBD	No	TBD	
West Coast SEAFAC											
HGMS Array and Telemetry P-1 and P-2	2	5,102	NSWCCD	TBD	TBD	SAIC Bremerton	TBD	TBD	No	TBD	
HGMS Suspension Components	2	731	NSWCCD	TBD	TBD	SAIC Bremerton	TBD	TBD	No	TBD	
Beamforming, Processing and Analysis Hardware	Various	1,817	NSWCCD	TBD	TBD	TBD	TBD	TBD	No	TBD	
Tracking System Components	Various	1,026	NSWCCD	TBD	TBD	TBD	TBD	TBD	No	TBD	
HGMS Production Hardware Spares	Various	490	NSWCCD	TBD	TBD	SAIC Bremerton	TBD	TBD	No	TBD	
VMS Radar Kit Procurement	1	886	SEA02	Jul-04	TBD	NGES Sperry Marine, Charlottesville, VA	Jan-05	Jun-06	No	TBD	
ECDU Kit Design & Procurement	1	1,104	N/A	Jul-04	TBD	SPAWAR System Center, Charleston	Jan-05	Jun-06	No	TBD	
VIRGINIA Class Support Total											
Doppler Sonar Velocity Log ISEA Lab Asset	1	290	NAVSEA	Nov-04	CPAF	Sperry Marine	Dec-04	Nov-05	Yes	TBD	
Integrated Low Pressure Electrolyzer Lab Asset	1	10,200	NSWCCD	Jun-04	FP	Hamilton Sundstrand	Mar-05	Mar-07	Yes	TBD	
On Board Team Trainer Master Controller EDM Upgrade	1	60	NAVSEA	TBD	TBD	Electric Boat, Groton, CT	TBD	TBD	No	TBD	
Ship Control System ISEA Lab Asset	1	3,386	NAVSEA	TBD	TBD	Electric Boat, Groton, CT	TBD	TBD	Yes	TBD	
Total Ship Monitoring System ISEA Lab Asset	1	840	NSWCCD	TBD	TBD	Various	TBD	TBD	Yes	TBD	
Weapons Launch System	1	263	NUWC Newport	TBD	TBD	Various	TBD	TBD	No	TBD	

DD Form 2446-1, JUL 87

ITEM NO. 11

P-1 SHOPPING LIST

PAGE NO. 3

Classification:

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			DATE:		February 2004	
B. APPROPRIATION/BUDGET ACTIVITY BA-1: SHIPS SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE VIRGINIA CLASS SSN Support Equipment BL: 094200					SUBHEAD H1RC		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
Modernization & Technology Upgrades											
OBTT (Phase I) (Hull 1) (h/w)	1	309	SUPSHIP Groton	Apr-04	TBD	Lockheed Martin, Egan MI	Oct-04	Nov-04	Yes		
OBTT (Phase I) (Hull 2) (h/w)	1	309	SUPSHIP Groton	Apr-04	TBD	Lockheed Martin, Egan MI	Dec-04	Jun-05	Yes		
OBTT(Phase I) (Hull 1) (s/w)	1	155	SUPSHIP Groton	Apr-04	TBD	Electric Boat Corp.	Oct-04	Jul-05	No	Feb-04	
OBTT(Phase II) (Hull 1) (s/w)	1	103	SUPSHIP Groton	Apr-04	TBD	Electric Boat Corp.	Oct-04	Jul-05	No	Feb-04	
OBTT(Phase II) (Hull 2) (s/w)	1	103	SUPSHIP Groton	Apr-04	TBD	Electric Boat Corp.	Oct-04	Jan-06	No	Feb-04	
S/CC/A Post PSA Upgrade Kit Procurement	Various	2,127	NAVSEA	Jul-04	TBD	LM, Manassas/Raytheon, Portsmouth	Jan-05	Jun-06	No	TBD	

DD Form 2446-1, JUL 87
ITEM NO. 11

P-1 SHOPPING LIST

PAGE NO. 4

Classification:

UNCLASSIFIED