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Other Procurement, Navy/		P-1 ITEM NO	P-1 ITEM NOMENCLATURE	RE	THE CALL PROPERTY IN THE STREET, THE STREE		AND THE THE WASHINGTON THE THE PARTY OF THE
Budget Activity 4 - Ordnance Support Foundations		S	Strategic Missile St	ssile Syste	ns Fauinm	vstems Equipment (535000	
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	FY 05	FY 06	FY 07	80 Y=	EV 00	04 73	
VI/A	N/A	N/A	N/A	NIA	1100		FY
Cost (in millions) \$102.8	+	0400	The Comment of the Co	- INI	NA	NA	N/A
The state of the s	Q.101¢	\$108.T	\$106.8	\$130.6	\$113.0	\$134.2	\$165.6
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support the TRIDENT II (D5) program. The SSP funding in this P-1 line provides for the procurement of Strategic Weapons System (SWS) equipment for deployed SSBNs and shore support sites to

OTHER MATERIAL SUPPORT

A broad range of other material support equipment must be procured for deployed SSBNs, shore installations and contractor facilities. Included within this category are general and special purpose test equipment, launcher expendables, navigation principal items, test instrumentation in support of missile flight tests, and missile checkout equipment. Amounts included within this P-1 line for this category are subdivided as follows:

production support) ιο procure Launcher Expendables (namely, MK-74 Gas Generators and related

Fire Control Equipment: Funding in FY 2004 - FY 2007 provides for procurement of MK-98 Mod 4 Fire Control System and Support Equipment replacement items onboard SSBNs and at shore sites and for implementation of Capital Maintenance Projects at the Naval Industrial Reserve Ordnance Plant (NIROP) in Pittsfield, MA; these projects are essential to correct environmental, safety, and energy conservation deficiencies.

Navigation Equipment: Funding is required in all years for replacement of worn or damaged items of inertial test equipment used at contractors' plants to support test, evaluation, and analysis of inertial instruments; and for procurement of critical components essential to maintain configuration control and equipment reliability.

tests and for procurement of surface support equipment end items to satisfy replacement requirements generated by fleet-related tactical activities. The FY 2005 request also provided for procurement of, and upgrades to, telemetry and destruct systems essential to establishing a TRIDENT II (D5) flight test capability in the Instrumentation/Missile Test Equipment: Funding in all years provides for shorebased and shipboard test instrumentation equipment in support of missile flight

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ALTERATIONS

shipboard subsystem D5 life extension modernization efforts. SPALT estimates include both known alterations related to resolution of specific problems as well as calculated, formula-generated alterations based on recent experience. Amounts included in this P-1 line for alterations are subdivided as follows: system for its extended service life through FY 2042. Alterations (SPALTs) also entail the application of available technology to eliminate personnel safety shipboard investments in COTS/NDI SWS subsystem equipments, including periodic refresh cycles, to ensure continued reliable performance of the weapon hazards, correct design deficiencies, maintain system effectiveness by resolving equipment operability problems, achieve logistic economies, and provide for Alterations to non-flying tactical hardware are continuing requirements for the Strategic Weapons System (SWS). Requirements primarily relate to

Total	Launcher and Handling Equipment Fire Control Equipment Navigation Equipment Instrumentation/Missile Checkout Equipment	
\$71,400	6,400 32,200 24,800 8,000	FY 2004
\$67,600	2,800 37,300 25,400 2,100	FY 2005
\$86,100	3,000 48,200 32,000 2,900	FY 2006
\$74,800	1,000 32,600 36,600 4,600	FY 2007

procurement of equipment. Use of Commercial-off-the-Shelf/Non-Developmental Items (COTS/NDI) has been initiated and is being implemented in all missile test and readiness equipment, and surface support equipment. Installation of approved SPALTs is performed on a turnkey basis in conjunction with the on SSBNs, support ships and at the Eastern Test Range, the TRIDENT Refit Facility (TRF), Bangor, and TRF, Kings Bay, and to missile handling equipment, the TRIDENT Training Facility (TTF), Bangor, TTF, Kings Bay, the Ashore Navigation Center, and the Inertial System Test Laboratory; to test instrumentation used and Electrostatically Supported Gyro Navigator (ESGN) navigation subsystem equipment on deployed SSBNs and installed at supporting shore facilities, including Funds are required to procure formula-generated alterations to the Strategic Weapons System launcher and fire control subsystems; to inertial, non-inertial,

4 Fire Control design to implement the first phase of TRIDENT II Shipboard Systems Integration architecture. The product of these SWS integration efforts will be life-cycle cost control initiatives aimed at the integration of TRIDENT II SWS subsystem equipment into the Fire Control system, leveraging off of the MK-98 implementation of an affordable design to meet all operational requirements, while minimizing total ownership costs. In addition to providing for calculated Fire Control System modifications based on historical experience, funding in all years will allow for implementation of

updated navigation system, employing an Interferometric Fiber Optic Gyroscope (IFOG) and capable of economically supporting the TRIDENT II SWS throughout The FY 2004 through FY 2007 requests for Navigation equipment alterations will address aging and obsolescence issues by providing for procurement of an

requests will support implementation of COTS-based alterations to the TRIDENT II M240R Data Recording System. In addition to formula-generated alterations to Instrumentation/Missile Checkout equipment which are budgeted in all years, the FY 2004 through FY 2007

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TRAINING SUPPORT EQUIPMENT

SSBNs and shore facilities. Funding in all years is budgeted to procure training-unique equipment required as the result of alterations to SWS tactical equipment. laboratories that interface with a central stimulation complex to provide complete and realistic training for replacement and off-crew personnel, both officer and enlisted, as required for manning of maintenance of launcher and handling, fire control, navigation, missile checkout, and test instrumentation subsystems. Each training facility consists of an integrated family of system and unit This category provides for procurement of, and alterations to, both tactical and non-tactical equipment required at submarine training facilities to train personnel in the operation and

In FY 2004 through FY 2007, funds are required for software and hardware design modification, lab documentation modification, facility modification, and design and system integration, as well as procurement and fabrication of all hardware needed to support MK-98 Mod 6 Fire Control subsystem training at both the TRIDENT Training Facility (TTF), Bangor, and at TTF, Kings Bay, Life Extension (LE) program. Specifically called for are hardware and software efforts associated with support of D5LE Simulator equipment at both the East and West Coast sites based Simulator. Funding in FY 2007 addresses the need for acquisition of upgrades to the Bangor and Kings Bay TTFs resulting from tactical changes in the TRIDENT II (D5) missile under the training configuration, upgrade of documentation, upgrade of the single-tube lab to support Mod 6 training, and development, test, integration and installation of a Power Node Simulator and a PC The required effort includes upgrade of the 4-tube cluster to accommodate Mod 6 configuration and integration with the Missile Control Center (MCC) Lab, conversion of the MCC to Mod 6

\$15,201	\$14,206	\$16,551	\$11,889	Fraining Support Equipment
FY 2007	(\$000) FY 2006	FY 2005	FY 2004	

TRIDENT II (D5) BACKFIT

homeports (Kings Bay, GA, and Bangor, WA). This mandated 14-boat, all D5 force breaks down as follows: The Program of Record calls for a post-START II Submarine-Launched Ballistic Missile (SLBM) force of 14 TRIDENT SSBNs, all equipped with TRIDENT II (D5) missiles and based at two

10 SCN-Funded, New-Construction TRIDENT II Submarines: SSBNs 734-743, the last of which deployed in FY 1998.

Overhauls (EOHs) and D5 Backfits at Puget Sound Naval Shipyard (PSNS) and have deployed. 2 OPN-Funded, TRIDENT I (C4) Equipped Submarines already Backfitted to TRIDENT II (D5) Capability: SSBNs 732 and 733, which have completed their concurrent Engineered

(ERO) and D5 Backfit in FY 2005 and SSBN 731 will commence its ERO and D5 Backfit in FY 2006 2 SCN-Funded, TRIDENT I (C4) Equipped Submarines to be Backfitted to TRIDENT II (D5) Capability: SSBN 730 has commenced its concurrent Engineered Refueling Overhaul

Funding in this cost category is required to procure and install shipboard tactical equipment needed to upgrade the first two designated D5 Backfit hulls (SSBNs 732 and 733) from C4 to D5 capability. (Since the second two Backfit hulls (SSBNs 730 and 731) will undergo their D5 modernization during concurrent EROs, they are therefore being financed with SCN funds beginning in FY 2002.)

HEWINO.	TRIDENT II (D5) Backfit		
HEMINO. PAGE NO.	\$6,000	FY 2004	
	\$0	FY 2005 (\$000)	
	\$0	FY 2006	
	\$0	FY 2007	

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\$106,801	\$108,106		\$101,451	\$102,789		Total
0	0	0		6,000		TRIDENT II (D5) Backfit
15,201	14,206		16,551	11,889		Training Support Equipment
74,800	86,100	0	67,600	71,400	and the same of th	Alterations
16,800	7,800	0	17,300	13,500		Other Material Support
Qty Cost	Cost	aty Oty	Qty Cost	Qty Cost	Code	COSIECEMENIS
FY 07 Total	06 Total FY 07	Total FY 06	Total FY 05 Tota	FY 04 Total	ident. F	WEAPON SYSTEM
S	Cost in Thousands of Dollars	ousa	Total Cost in Th	ideachinismich kilokerpispokites sochaeps Franzisky (oktioensagilisellere)	ent	Budget Activity 4 - Ordnance Support Equipment
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