

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA:2							P-1 ITEM NOMENCLATURE 214700/SSN ACOUSTICS				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY2009	To Complete	Total
QUANTITY	N/A	B									0
COST (In Millions)			\$229.6	\$266.4	\$225.0	\$229.0	\$265.4	\$296.5	\$289.0		\$1,918.1
SPARES COST (In Millions)			\$13.8	\$17.7	\$15.6	\$17.9	\$18.3	\$26.9	\$5.3		118.4
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program procures submarine systems and equipment for installation on all classes of submarines to maintain clear acoustical, tactical and operational superiority over submarine and surface combatants in all scenarios through detection, classification, localization and contact following. All future acoustic upgrades of Acoustic-Rapid COTS Insertion (A-RCI) equipment are incorporated into this budget item. Future procurements, detailed below, are focused on supporting Littoral Warfare, Regional Sea Denial, Battle Group Support, Diesel Submarine Detection, Surveillance, and Peacetime Engagement. Acoustics Rapid COTS Insertion (A-RCI) is a multi-phased, evolutionary development effort geared toward addressing Acoustic Superiority issues through the rapid introduction of interim products applicable to SSN 688, 688I Flight, SSN21, SSGN and SSBN 726 Class Submarines. A-RCI Phase II provides towed array processing improvements; A-RCI Phase III provides spherical array processing improvements. The AN/BSY-1 High Frequency Upgrade is a stand-alone program which is provided as A-RCI Phase IV for SSN 688I and Seawolf Class only. As part of CNO N772's plan to maintain acoustic superiority for In Service Submarines a joint cooperative effort with NAVSEA (SEA 93, ASTO) to deliver annual Advanced Processing Builds (APBs). The capabilities in the APBs will be integrated as part of A-RCI certified systems. This effort, known as the N772 Business Plan funds the APB integration efforts with the Multi-Purpose Processor as well as the AN/BQQ-10 Sonar system beginning in FY02. This budget submit also reflects the procurement of Technology Insertion kits, Submarine Tactical Decision Aids (STDA), Total Ship Monitoring System (TSMS), Active Intercept and Ranging (AI&R), Precision Bottom Mapping, Acoustic Intelligence (ACINT 21), and AN/BQS-15 upgrades to be installed with A-RCI systems/upgrades.</p> <p>Towed system's procurements include Towed Array Refurbishment & Upgrades, TB-16, TB-16 Next Generation and OA-9070 B kits and upgrades. Towed Systems procurements provide upgrades/support for TB-16 Series Towed Arrays, TB-23 Towed Arrays, TB-29 Series Towed Arrays, OK-276 Series Towed Array Handlers, OK-634 Towed Array Handler and OA-9070 Series Handlers installed on SSN688, SSN 688I, SSN21 and SSBN726 Class Submarines. These upgrades provide increased sensor capability to maintain acoustic superiority and reliability improvements to increase the service life, reduce failures, and increase the inventory of arrays and handlers available for fleet use.</p>											

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BUDGET ITEM JUSTIFICATION SHEET

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DATE:

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APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY/BA: 2

P-1 ITEM NOMENCLATURE

214700/SSN ACOUSTICS

SA101 ACOUSTICS UPGRADES:

Procures A-RCI TA, SA, HA, and HF Upgrade Kits, Precision Bottom Mapping Kits, AN/BQS-15 High Frequency Upgrades, Acoustic Intercept, TSMS and ACINT-21 Lite and Heavy. This line also supports the refurbishment and installation of the upgrades.

SA102 TOWED SYSTEMS:

Procures TB-29 A Towed Arrays, Fiber Optic Thinline Systems, TB-16 Fatline Replacement , Advanced Hull Sensors, OA-9070B Towed Array Handler Kits, and refurbishment/upgrade material to support reliability improvements to TB-16, TB-23, TB-29 Towed Arrays and Towed Array Handling Systems. Handling System reliability improvements include: improved cables in the outboard systems, EMI improvements, roller boxes, improved hydraulic control and capstans. Towed Array reliability improvements include: improved internal connectors, hydrophones, towcables and Vibration Isolation Modules (VIMs). Towed Array improvements to increase performance include: Light Weight Tow Cables for the TB-29 A Towed Arrays and Wideband OMNI capability in TB-16 Arrays.

SA104 SSGN MODERIZATION:

Funds provided to procure A-RCI hardware for combat systems on SSGN conversions.

SA105 SONAR SUPPORT EQUIPMENT

Funds provided to procure BQN-17 and associated equipment.

SA201 BLOCK CHANGES:

Minor ECP's and hardware changes affecting all classes of submarines are procured through this line. Funding contained in this line will be used to support non-recurring first article test efforts associated with the changing COTS environment as well as Reliability, Maintainability and Availability modifications requested by the Fleet. This line also supports the procurement of hardware necessary to implement the ECP's into the System or end item being procured.

SA202 PRODUCTION/ENGINEERING SUPPORT:

Funding supports the procurement of Acoustics Upgrades equipment and Towed System hardware.

SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT:

Funding procures various towed array test equipment and handling system/stowage tube inspection test equipment.

SA302 OP TRAINER UPGRADES:

Funding procures hardware upgrades and production engineering for Acoustic Upgrades operational trainer sites.

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APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
OTHER PROCUREMENT, NAVY/BA: 2	214700/SSN ACOUSTICS	
<p>SA303 COTS SUPPORTABILITY UPGRADES: Provides for Technology Refresh/Insertion for A-RCI kits. Tech Refresh provides for Software and Hardware updates to accommodate shifts in technology to the execution procurement years' "current state-of-the-practice" hardware. A-RCI has already undergone three technology insertion phases to accommodate integrating Advanced Processing Builds (APBs). Updates are necessary for signal and display processing hardware as APBs are introduced or as commercial support for the hardware is phased out. Tech Insertion procures the hardware necessary to upgrade and backfit the A-RCI kits. When A-RCI systems are being upgraded to subsequent phases of A-RCI (e.g. from Phase II to Phase IV), upgrades to the Phase II signal processing and display hardware will be procured from this line to accommodate common technology consistent with the APB being implemented in the year of introduction. In future years, requirements will be included to fund complete system technology insertion as the COTS hardware becomes unsupported.</p> <p>SA401 INITIAL TRAINING: Provides for initial training curriculum development, training management materials, exercise control group development, pilot services and services to the Fleet.</p> <p>SA500 AN/BQG-5 WIDE APERTURE ARRAY (WAA): Funding supports Wide Aperture Array Shore Spares for both AN/BQG-5 and AN/BSY-2 systems. Funding also supports engineering changes and support unique to the AN/BQG-5 systems.</p> <p>SA501 AN/BSY-2: Funding supports engineering changes and upgrade and an End of Life Parts program. This funding also supports procurement, installation and test of ARCI-HF Kits, ARCI SA Kits, ARCI (V)5 Kits.</p> <p>SA502 NON-PROPULSION ELECTRONIC SYSTEMS MODERIZATION: Funds provide for Subsystem C4I connectivity and interoperability in support of CNO IT21 initiatives. Supports rapid data/information transmittal on/off board the submarine.</p> <p>SA5IN EQUIPMENT INSTALLATION: Funds actual hardware installation during shipyard and pierside availabilities.</p> <p>SA900 CONSULTING SERVICES: Includes specification validation, contract deliverable monitoring, prime contractor monitoring for cost, schedule and performance slips, ILS planning and coordination of GFI. Additional support will include production planning, business case analysis, technical refresh and insertion planning and market analysis to review implementation strategies for procurement of current year "state of the practice" hardware in Acoustics programs. Consulting services will also provide production monitoring, installation planning and coordination support.</p>		

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-2: COMMUNICATIONS AND ELECTRONICS EQUIPMENT				ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD 214700/SSN ACOUSTICS/H2SA												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS														
			Prior Years	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		
SA101	SPONSOR: N77																
	ACOUSTICS UPGRADES								\$98,769			\$98,895					\$60,300
	INSTALL SUPPORT		A						3,727			\$4,200					
	BQS-15 EC-19 (GUAM Hulls)		A				3	2,850	8,550								
	HIGH FREQUENCY ARRAY WINDOWS (HF)		B				12	208	2,500								
	A-RCI 688 PHASE II KITS (TA RCI KITS)		B											1	3,200	3,200	
	A-RCI 688 PHASE II-III KITS (TA - SA RCI KITS)		B				4	7,000	28,000	3	7,133	21,400	1	7,300	7,300		
	A-RCI 688 PHASE III KITS (SA RCI KITS)		B				2	9,600	19,200	2	9,792	19,584					
	A-RCI 688I PHASE II-IV KITS (TA - SA/HF RCI KITS)		B				3	7,800	23,400	4	7,950	31,800	4	8,125	32,500		
	A-RCI 688I PHASE IV KITS (SA-HF RCI KITS)		B							1	10,812	10,812					
	A-RCI SSBN PHASE II KITS (TA RCI KITS)		B							1	3,099	3,099	1	3,200	3,200		
	TOTAL SHIP MONITORING SYSTEM KITS		A				9	799	7,191	5	800	4,000	9	811	7,300		
ACTIVE INTERCEPT & RANGING KITS (AI&R)		A				9	689	6,201	5	800	4,000	9	667	6,000			
AI&R SENSORS (BACKFIT APPLICATIONS)		A										2	400	800			
SA5IN	ACOUSTICS UPGRADES INSTALLATION							\$18,280			\$39,026					\$31,400	
SA102	TOWED SYSTEMS							\$35,278			\$52,409					\$33,664	
TOWED ARRAY REFURBISHMENT & UPGRADE		A						18,317			22,476			23,773			
TOWED ARRAY HANDLER SYSTEM UPGRADE		A						4,848			7,065			4,381			
OA-9070 B KITS		A				4	439	2,193	5	483	2,413	1	510	510			
TOWED ARRAY TB-29A		B				3	2,907	8,720	4	2,500	10,000						
TB-16 ARRAY		A				2	600	1,200	17	615	10,455						
TB-16 NEXT GENERATION		A										7	680	4,760			
TB-16 NEXT GENERATION INTERFACE HWD		A										4	60	240			
SA5IN	TOWED SYSTEM INSTALLATION							\$9,613			\$15,879					\$4,734	

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2004			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-2: COMMUNICATIONS AND ELECTRONICS EQUIPMENT						ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD 214700/SSN ACOUSTICS/H2SA							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2003			FY 2004			FY 2005					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SA104	<u>SSGN MODERIZATION</u>														
	SSGN CONVERSION	B													
	SSGN PHASE IV KITS	B										2	15,500	31,000	
SA5IN	<u>SSGN MODERNIZATION INSTALLATION</u>														
SA105	<u>SONAR SUPPORT EQUIPMENT</u>														
	BQN-17	A													
	BQS-15A EC-19 (P)	A													
	BQS-15A EC-20 (P)	A										4	750	3,000	
SA5IN	<u>SONAR SUPT EQUIP INSTALLATION</u>														
SA201	<u>BLOCK CHANGES</u>														
	ACOUSTICS (AN/BQQ-5/AN/BSY-1)														
	SSEP														
	ACOUSTIC INTERCEPT FIRST ARTICLE														
	TOWED SYSTEMS ECP'S														
SA202	<u>PROD/ENG'G SUPPT</u>														
	ACOUSTICS (AN/BQQ-5/AN/BSY-1)														
	TOWED ARRAYS/HANDLING EQUIPMENT														

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WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: February 2004
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APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-2: COMMUNICATIONS AND ELECTRONICS EQUIPMENT	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 214700/SSN ACOUSTICS/H2SA
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COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
			Prior Years	FY 2003			FY 2004			FY 2005				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
SA203	<u>TOWED SYSTEMS UNIQUE TEST EQUIPMENT</u>							\$3,193			\$2,713			\$1,600
SA302	<u>OP TRAINER GFE</u>							\$1,800			\$1,700			\$1,700
SA303	<u>COTS SUPPORTABILITY UPGRADES</u>							\$35,335			\$36,691			\$28,508
	COTS TECH INSERTION							22,355			21,591			21,008
	SONAR TACTICAL DECISION AIDS (STDA)							10,280			12,300			5,000
	AEMP							1,200			1,500			2,500
	COTS TECH REFRESH							1,500			1,300			
SA401	<u>INITIAL TRAINING</u>							\$1,529			\$1,599			\$1,696
	ACOUSTICS							1,100			1,119			1,200
	TOWED ARRAY HANDLING EQUIPMENT							429			480			496
SA500	<u>AN/BQG-5 WAA</u>							\$0			\$0			\$0
	ENGINEERING CHANGES													
SA501	<u>AN/BSY-2</u>							\$11,288			\$0			\$10,100
	END OF LIFE PARTS (EOL)							445						
	ENGINEERING CHANGES/UPGRADES							445						
	INSTALLATION & TEST SPT/INTEG							698						
	A-RCI PHASE IV KIT								1	9,700	9,700		1	10,100
SA51N	<u>AN/BSY-2 EQUIPMENT INSTALLATION</u>							\$2,500			\$3,100			\$3,100
SA900	<u>CONSULTING SERVICES</u>							\$2,624			\$2,635			\$2,389
	ACOUSTICS							1,622			1,639			1,488
	TOWED SYSTEMS							1,002			996			901
								229,625			266,431			225,028

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2004		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-2: COMMUNICATIONS AND ELECTRONICS EQUIPMENT					C. P-1 ITEM NOMENCLATURE 214700/SSN ACOUSTICS				SUBHEAD H2SA	
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
<u>FY 2003</u>										
SA101 - A-RCI TA-SA/HF Upgrade (688I)	3	\$7,800	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	3/03	3/04	YES	
SA101 - A-RCI SA (688)	2	\$9,600	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	3/03	3/04	YES	
SA101 - A-RCI TA-SA Upgrades (688)	4	\$7,000	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	3/03	3/04	YES	
SA101 - ACOUSTIC HF WINDOWS	12	\$208	NUWC, Newport		RFP	NUWC, Newport	1/03	1/04	YES	
SA101 - TSMS KITS	9	\$799	NAVSEA		SS/CPIF	DSR, VA.	3/03	3/04	YES	
SA101 - BQS 15 EC-19	3	\$2,850	NAVSEA		SS/FFP	ARL/UT	2/03	2/04	YES	
SA101 - ACTIVE INTERCEPT RANGING KITS	9	\$689	NAVSEA		C/CPIF	PROGENCY	3/03	3/04	YES	
SA102 - TOWED ARRAY TB-29 A	3	\$2,907	NAVSEA		C/CPFF/Opt	Lockheed Martin, VA	2/03	8/04	YES	
SA102 - OA-9070 B Kits	5	\$439	NUWC, Newport		C/FFP	NUWC, Newport	2/03	10/03	YES	
SA102 - TB-16 ARRAY	2	\$600	NAVSEA		SS/CPIF	CSC	8/03	8/04	YES	
SA501 - ARCVI-(V)5 KIT	1	\$9,700	NAVSEA		SS/FP/OPT	Lockheed Martin, VA	2/03	2/04	YES	
<u>FY 2004</u>										
SA101 - A-RCI TA TO SA/HF Upgrade (688I)	4	\$7,950	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	12/03	3/05	YES	
SA101 - A-RCI SA/HF Kits(688I)	1	\$10,812	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	12/03	3/05	YES	
SA101 - A-RCI SA (688)	2	\$9,792	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	12/03	3/05	YES	
SA101 - A-RCI TA-SA Upgrades (688)	3	\$7,133	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	12/03	3/05	YES	
SA101 - ACINT-21 KITS LITE	4	\$1,672	NAVSEA		SS/CPIF/Opt	DSR, VA	12/03	3/05	YES	
SA101 - TSMS KITS	5	\$800	NAVSEA		SS/CPIF	DSR, VA.	12/03	3/05	YES	
SA101 - ACTIVE INTERCEPT RANGING KITS	5	\$800	NAVSEA		C/CPIF	PROGENCY	304	3/05	YES	
SA101 - SSBN A-RCI PH II KITS	1	\$3,099	NAVSEA		SS/CPIF	Lockheed Martin, VA	12/03	10/04	YES	
SA102 -TOWED ARRAY TB-29A	4	\$2,500	NAVSEA		SS/FFP	Lockheed Martin, VA	5/04	3/05	YES	
SA102 - OA-9070B KITS	5	\$483	NUWC, Newport		C/FFP/Opt	NUWC,Newport	1/04	7/04	YES	
SA102 - TB-16 ARRAY	17	\$615	NAVSEA		SS/CPIF/Opt	CSC	2/04	10/04	YES	
D. REMARKS										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2004		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-2: COMMUNICATIONS AND ELECTRONICS EQUIPMENT					C. P-1 ITEM NOMENCLATURE 214700/SSN ACOUSTICS				SUBHEAD H2SA	
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
<u>FY 2005</u>										
SA101 - A-RCI 688 Phase II KITS (TA RCI)	1	\$3,200	NAVSEA		SS/CPIF	Lockheed Martin, VA	3/05	3/06	YES	
SA101 - A-RCI TA TO SA/HF UPGR. KITS (688I)	4	\$8,125	NAVSEA		SS/CPIF	Lockheed Martin, VA	3/05	3/06	YES	
SA101 - TSMS KITS	9	\$811	NAVSEA		SS/CPIF	DSR, VA.	3/05	3/06	YES	
SA101 - ACTIVE INTERCEPT RANGING KITS	10	\$660	NAVSEA		C/CPIF	PROGENCY	3/05	3/06	YES	
SA101 - A-RCI TA-SA Upgrades (688)	1	\$7,300	NAVSEA		SS/CPIF/Opt	Lockheed Martin, VA	3/05	3/06	YES	
SA101 - SSBN A-RCI PH II KITS	1	\$3,200	NAVSEA		SS/CPIF	Lockheed Martin, VA	3/05	3/06	YES	
SA101 - ACTIVE INTERCEPT RANGING KITS	9	\$667	NAVSEA		CPIF/Opt	PROGENCY	3/05	3/06	YES	
SA 101 - AI&R SENSORS (BACKFIT)	2	\$400	NAVSEA		CPIF/Opt	PROGENCY	3/05	3/06	YES	
SA102 - OA-9070B KITS	1	\$510	NUWC, Newport		C/FFP/Opt	NUWC, Newport	1/05	7/05	YES	
SA102 - TB-16 ARRAY NEXT GENERATION	7	\$680	NAVSEA		C/FFP	TBD	2/05	10/05	NO	
SA102 - TB-16 INTERFACE HARDWARE	4	\$60	NAVSEA		C/FFP	TBD	2/05	10/05	NO	
SA104 - SSGN CONVERSION	2	\$15,500	NAVSEA		SS/CPIF	Lockheed Martin, VA	3/05	3/06	YES	
SA105 - BQS-15A EC-20 (P)	4	\$750	NAVSEA		TBD	TBD	3/05	3/06	NO	
SA501 - ARCI PHASE IV KITS	1	\$10,100	NAVSEA		SS/CPIF	Lockheed Martin, VA	3/05	3/06	YES	
D. REMARKS										

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: BQS-15 EC-19 KITS (SA101) TYPE MODIFICATION: SHIPALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS	1	2.000			3	8.550														4	10.550
INSTALLATION KITS - UNIT COST		2.000				2.850															
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST	1	0.500					2	1.100	1	0.500										4	2.100
TOTAL PROCUREMENT		2.500				8.550		1.100		0.500											12.650

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P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: BQS-15 EC-19 KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: 3/2002 FY 2003: N/A FY 2004: N/A FY 2005: N/A
DELIVERY DATE: FY 2002: 3/2003 FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PRIOR YEARS																				0	0.000	
FY 2002 EQUIPMENT	1	0.500																			0	0.000
FY 2003 EQUIPMENT							2	1.100	1	0.500											3	1.600
FY 2004 EQUIPMENT																					0	0.000
FY 2005 EQUIPMENT																					0	0.0
FY 2006 EQUIPMENT																					0	0.0
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.0
FY 2009 EQUIPMENT																					0	0.0
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Out	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

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P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: HIGH FREQUENCY ARRAY WIND TYPE MODIFICATION: ORDALTS MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

The installation funding cited on this P3A is included in BLI 214700 not 214705; REQUIRED UPGRADE WHEN ADDING PHASE IV HIGH FREQUENCY ARRAY CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS	13	2.500			12	2.500														25	5.000
INSTALLATION KITS - UNIT COST		0.192				0.208															
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST					13	2.886	12	2.664												25	5.550
TOTAL PROCUREMENT		2.500				5.386		2.664													10.550

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: HF ARRAY WINDOWS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: ORDALTS

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: 3/2002 FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2002: 3/2003 FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																			0	0.000
FY 2002 EQUIPMENT					13	2.886													13	2.886
FY 2003 EQUIPMENT							12	2.664											12	2.664
FY 2004 EQUIPMENT																			0	0.000
FY 2005 EQUIPMENT																			0	0.0
FY 2006 EQUIPMENT																			0	0.0
FY 2007 EQUIPMENT																			0	0.000
FY 2008 EQUIPMENT																			0	0.0
FY 2009 EQUIPMENT																			0	0.0
TO COMPLETE																				

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	2	4	4	3	2	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Out	0	2	4	4	3	2	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: A-RCI 688 PHASE II KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 SSN688 A-RCI TOWED ARRAY KITS. PROVIDES TB-29 ARRAY CAPABILITY AND IMPROVED DETECTION

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																				0	0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS	22	56.144					1	3.200												23	59.344
INSTALLATION KITS - UNIT COST		2.552						3.200													
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT	1	2.282																		1	2.282
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST					2	3.000				1	1.500									3	4.500
TOTAL PROCUREMENT		58.426				3.000				3.200	1.500										66.126

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: A-RCI 688 PHASE II KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: **SHIP ALT**

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: 3/2002 FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2002: 3/2003 FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS	20	15.455																	###	15.455	
FY 2002 EQUIPMENT					2	3.000														2	3.000
FY 2003 EQUIPMENT																				0	0.000
FY 2004 EQUIPMENT																				0	0.000
FY 2005 EQUIPMENT									1	1.500										1	1.5
FY 2006 EQUIPMENT																				0	0.0
FY 2007 EQUIPMENT																				0	0.000
FY 2008 EQUIPMENT																				0	0.0
FY 2009 EQUIPMENT																				0	0.0
TO COMPLETE																					

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	20	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Out	20	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: 688 PHASE II - III KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 688 TA - SA KIT; PROVIDES SPHERICAL ARRAY PROCESSING CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>			
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$		
<u>FINANCIAL PLAN (IN MILLIONS)</u>																						
<u>RDT&E</u>																				0	0.000	
<u>PROCUREMENT</u>																						
INSTALLATION KITS	5	25.604			4	28.000	3	21.400	1	7.300	1	7.400	3	22.800	1	7.750	1	7.750		19	128.004	
INSTALLATION KITS - UNIT COST		5.121				7.000		7.133		7.300		7.400		7.600		7.750		7.750				
INSTALLATION KITS NONRECURRING																					0.000	
EQUIPMENT																					0.000	
EQUIPMENT NONRECURRING																					0.000	
ENGINEERING CHANGE ORDERS																					0.000	
DATA																					0.000	
TRAINING EQUIPMENT																				0	0.000	
SUPPORT EQUIPMENT																					0.000	
OTHER																					0.000	
OTHER																					0.000	
OTHER																					0.000	
INTERIM CONTRACTOR SUPPORT																					0.000	
INSTALL COST	5	11.144					4	9.400	3	7.200	1	2.400	1	2.400	3	7.500	1	2.550	1	2.550	19	45.144
TOTAL PROCUREMENT		36.748				28.000		30.800		14.500		9.800		25.200		15.250		10.300				170.598

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: 688 PHASE II - III KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: 03/03 FY 2004: 03/04 FY 2005: 3/05

DELIVERY DATE: FY 2002: N/A FY 2003: 03/04 FY 2004: 03/05 FY 2005: 3/06

(\$ in Millions)

Cost:	Prior Years		FY2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS	5	####	0	0.000																	5	11.144	
FY 2002 EQUIPMENT					0	0.000															0	0.000	
FY 2003 EQUIPMENT							4	9.400													4	9.400	
FY 2004 EQUIPMENT									3	7.200											3	7.200	
FY 2005 EQUIPMENT											1	2.400									1	2.400	
FY 2006 EQUIPMENT												1	2.400								1	2.400	
FY 2007 EQUIPMENT														3	7.500						3	7.500	
FY 2008 EQUIPMENT																1	2.550				1	2.550	
FY 2009 EQUIPMENT																		1	2.550	1	2.550	1	2.550
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
In	4	0	0	0	0	0	0	3	2	0	1	2	1	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	19
Out	4	0	0	0	0	0	0	3	2	0	1	2	1	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	19	

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: 688 PHASE III KIT TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
688 A-RCI SA KITS; PROVIDES SPHERICAL ARRAY PROCESSING CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS	2	16.562			2	19.200	2	19.584												6	55.346
INSTALLATION KITS - UNIT COST		8.281				9.600		9.792													
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST	1	2.234			1	2.700	2	5.100	2	5.200										6	15.234
TOTAL PROCUREMENT		18.796				21.900		24.684		5.200											70.580

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)	INDIVIDUAL MODIFICATION (Continued)																		
MODELS OF SYSTEMS AFFECTED: <u>688 PHASE III KITS</u>	MODIFICATION TITLE: <u>SSN ACOUSTICS</u>																		
INSTALLATION INFORMATION:																			
METHOD OF IMPLEMENTATION: <u>SHIP ALT</u>																			
ADMINISTRATIVE LEADTIME: <u>24 MOS</u>				PRODUCTION LEADTIME: <u>12 Months</u>															
CONTRACT DATES: FY 2002: <u>N/A</u>	FY 2003: <u>3/03</u>	FY 2004: <u>3/04</u>		FY 2005: <u>3/05</u>		FY 2006: <u>3/04</u>				FY 2007: <u>3/05</u>		FY 2008: <u>3/05</u>		FY 2009: <u>3/06</u>		FY 2010: <u>3/06</u>			
DELIVERY DATE: FY 2002: <u>N/A</u>	FY 2003: <u>3/04</u>	FY 2004: <u>3/04</u>		FY 2005: <u>3/04</u>		FY 2006: <u>3/05</u>		FY 2007: <u>3/05</u>		FY 2008: <u>3/05</u>		FY 2009: <u>3/05</u>		FY 2010: <u>3/06</u>		FY 2011: <u>3/06</u>			

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS	1	2.234			1	2.700															2	4.934	
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT							2	5.100														2	5.100
FY 2004 EQUIPMENT									2	5.200												2	5.200
FY 2005 EQUIPMENT																						0	0.000
FY 2006 EQUIPMENT																						0	0.000
FY 2007 EQUIPMENT																						0	0.000
FY 2008 EQUIPMENT																						0	0.0
FY 2009 EQUIPMENT																						0	0.0
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
In	1	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Out	1	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: 688I PHASE II KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 A-RCI 688 I TA KITS; PROVIDES TB-29 ARRAY PROCESSING CAPABILITY AND IMPROVED DETECTION.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS	13	35.473																		13	35.473
INSTALLATION KITS - UNIT COST		2.729																			
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST	13	10.007			1	0.900														14	10.907
TOTAL PROCUREMENT		45.480				0.900															46.380

CLASSIFICATION: UNCLASSIFIED

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: 688I PHASE II KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: 3/02 FY 2003: N/A FY 2004: N/A FY 2005: N/A

DELIVERY DATE: FY 2002: 3/03 FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS	12	10.007																			12	10.007
FY 2002 EQUIPMENT					1	0.900															1	0.900
FY 2003 EQUIPMENT																					0	0.000
FY 2004 EQUIPMENT																					0	0.000
FY 2005 EQUIPMENT																					0	0.0
FY 2006 EQUIPMENT																					0	0.0
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.0
FY 2009 EQUIPMENT																					0	0.0
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13		
Out	12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13			

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: 688I PHASE II - IV KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 688I A-RCI TA - SA/HF KITS; PROVIDES SPHERICAL ARRAY PROCESSING AND UNDER ICE CAPABILITY.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS/TA-SA KITS	5	36.325			3	23.400	4	31.800	4	32.500										16	124.025
INSTALLATION KITS - UNIT COST		7.265				7.800		7.950		8.125											
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST	1	1.333			4	8.804	3	6.100	4	8.300	4	8.500								16	33.037
TOTAL PROCUREMENT		37.658				32.204		37.900		40.800		8.500									157.062

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: 688I PHASE IV KIT TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

688I A-RCI SA - HF KITS; PROVIDES SPHERICAL ARRAY PROCESSING AND UNDER ICE CAPABILITY.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: OPEVAL 4nd QTR FY02

	FY 2002 & Prior		-	\$	FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		IC	IO	
	QTY	\$			QTY	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	QTY
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS/SA KITS	6	50.288					1	10.812													7
INSTALLATION KITS - UNIT COST		8.381						10.812													
EQUIPMENT NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
OTHER																					
OTHER																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST	6	15.641							1	2.300											7
TOTAL PROCUREMENT		65.929						10.812		2.300											

CLASSIFICATION: **UNCLASSIFIED**

P3A

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: TSMS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

The installation funding cited in FY 2003 and FY 2004 (\$1.1M) is for Design Services (development of a SHIPALT package). Total Ship Monitoring System (TSMS) provides own ship environmental and noise monitoring to enhance the ships situational awareness and provides necessary information for tactical decisions

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS				9	7.191	5	4.000	9	7.300	10	8.500	13	11.200	5	4.395	7	6.300			58	48.886
INSTALLATION KITS - UNIT COST					0.799		0.800		0.811		0.850		0.862		0.879		0.900				
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST					1.876	9	10.426	5	5.600	9	10.300	10	11.700	13	15.500	5	6.050	7	8.470	58	69.922
TOTAL PROCUREMENT					9.067		14.426		12.900		18.800		22.900		19.895		12.350		8.470		118.808

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: TSMS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: 03/03 FY 2004: 03/04 FY 2005: 03/05

DELIVERY DATE: FY 2002: N/A FY 2003: 03/04 FY 2004: 03/05 FY 2005: 03/06

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PRIOR YEARS																						0	0.000	
FY 2002 EQUIPMENT																							0	0.000
FY 2003 EQUIPMENT							9	10.426															9	10.426
FY 2004 EQUIPMENT									5	5.600													5	5.600
FY 2005 EQUIPMENT											9	10.300											9	10.300
FY 2006 EQUIPMENT													10	11.700									10	11.700
FY 2007 EQUIPMENT															13	15.500							13	15.500
FY 2008 EQUIPMENT																	5	6.050					5	6.050
FY 2009 EQUIPMENT																			7	8.470			7	8.470
TO COMPLETE																								

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	1	4	4	0	1	2	2	0	0	5	4	0	3	4	3	2	4	4	3	2	2	1	0	7	58
Out	0	0	0	0	0	0	1	4	4	0	1	2	2	0	0	5	4	0	3	4	3	2	4	4	3	2	2	1	0	7	58

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: ACTIVE INTERCEPT & RANGING KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

The installation funding cited for FY 2003 and FY 2004 (\$1.1M) is for Design Services (SHIPALT package development). Replaces obsolete WLR-9 electronics with COTS Open Architecture digital processor integrated with ARC1, on both SSN and SSBN. Installed with sensor which improves accuracy and fidelity.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							0.000
<u>PROCUREMENT</u>																							
INSTALLATION KITS (INTERCEPT)					9	6.201	5	4.000	9	6.000	10	7.300	13	9.700	5	3.785	7	5.411				58	42.397
INSTALLATION KITS - UNIT COST						0.689		0.800		0.667		0.730		0.746		0.757		0.773					
INSTALLATION KITS NONRECURRING																							0.000
EQUIPMENT (SENSOR)																						0	0.000
EQUIPMENT (SENSOR) - UNIT COST																							
ENGINEERING CHANGE ORDERS																							0.000
DATA																							0.000
TRAINING EQUIPMENT																							0.000
SUPPORT EQUIPMENT																							0.000
OTHER																							0.000
OTHER																							0.000
OTHER																							0.000
INTERIM CONTRACTOR SUPPORT																							0.000
INSTALL COST						1.000	9	3.400	5	1.300	9	2.300	10	2.700	13	3.500	5	1.350	7	1.960	58	17.510	
TOTAL PROCUREMENT				0.000		7.201		7.400		7.300		9.600		12.400		7.285		6.761		1.960		59.907	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: ACTIVE INTERCEPT & RANGING KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: **SHIP ALT**

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: 03/03 FY 2004: 03/04 FY 2005: 03/05

DELIVERY DATE: FY 2002: N/A FY 2003: 03/04 FY 2004: 03/05 FY 2005: 03/06

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																						0	0.000
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT							9	3.400														9	3.400
FY 2004 EQUIPMENT									5	2.300												5	2.300
FY 2005 EQUIPMENT											9	2.300										9	2.300
FY 2006 EQUIPMENT													10	2.700								10	2.700
FY 2007 EQUIPMENT															13	3.500						13	3.500
FY 2008 EQUIPMENT																	5	1.350				5	1.350
FY 2009 EQUIPMENT																			7	1.960		7	1.960
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	1	4	4	0	1	2	2	0	0	5	4	1	3	4	2	1	4	4	4	2	2	1	0	7	58
Out	0	0	0	0	0	0	1	4	4	0	1	2	2	0	0	5	4	1	3	4	2	1	4	4	4	2	2	1	0	7	58

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: AI&R SENSORS (BACKFIT) TYPE MODIFICATION: NON-SHIPALT MODIFICATION TITLE: SSN Acoustics

DESCRIPTION/JUSTIFICATION:

The installation funding cited on this P3A is included in BLI 214700 not 214705;

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS									2	0.800	11	6.500	11	5.600	13	6.800	17	9.000				54	28.700
INSTALLATION KITS - UNIT COST										0.400		0.591		0.509		0.523		0.529					
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST											2	0.400	11	2.200	11	2.200	13	2.600	17	3.400		54	10.800
TOTAL PROCUREMENT										0.800		6.900		7.800		9.000		11.600		3.400			39.500

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: AI&R SENSORS (BACH MODIFICATION TITLE: SSN ACOUSTICS)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 3-4 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: 2/01

FY 2004: _____

FY 2005: 2/03

DELIVERY DATE: FY 2002: N/A

FY 2003: 2/02

FY 2004: _____

FY 2005: 2/04

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																					0	0.000
FY 2002 EQUIPMENT																					0	0.000
FY 2003 EQUIPMENT																					0	0.000
FY 2004 EQUIPMENT																					0	0.000
FY 2005 EQUIPMENT											2	0.400									2	0.400
FY 2006 EQUIPMENT													11	2.200							11	2.200
FY 2007 EQUIPMENT															11	2.200					11	2.200
FY 2008 EQUIPMENT																	13	2.600			13	2.600
FY 2009 EQUIPMENT																			17	3.400	17	3.400
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3	4	2	2	3	4	2	3	4	4	2	17	54
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3	4	2	2	3	4	2	3	4	4	2	17	54

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: AI&R SENSORS TYPE MODIFICATION: NON-SHIPALT MODIFICATION TITLE: SSN Acoustics

DESCRIPTION/JUSTIFICATION:

The funding cited in this P3A is included in BLI 214700 not 214705;

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS													8	4.100	22	11.200						30	15.300
INSTALLATION KITS - UNIT COST														0.513		0.509							
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST															8	0.800	22	2.200				30	3.000
TOTAL PROCUREMENT														4.100		12.000		2.200					18.300

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: AI&R SENSORS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 3-4 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: 2/01

FY 2004: _____

FY 2005: 2/03

DELIVERY DATE: FY 2002: N/A

FY 2003: 2/02

FY 2004: _____

FY 2005: 2/04

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					0	0.000	
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT																						0	0.000
FY 2004 EQUIPMENT																						0	0.000
FY 2005 EQUIPMENT																						0	0.000
FY 2006 EQUIPMENT																						0	0.000
FY 2007 EQUIPMENT															8	0.800						8	0.800
FY 2008 EQUIPMENT																	22	2.200				22	2.200
FY 2009 EQUIPMENT																						0	0.000
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	4	6	7	5	0	30
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	4	6	7	5	0	30				

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: BQS-15A EC-19 (SA105) TYPE MODIFICATION: NON-SHIPALT MODIFICATION TITLE: SSN Acoustics

DESCRIPTION/JUSTIFICATION:
 THE INSTALLATION FUNDING CITED IN FY 2008 IS INCLUDED IN BLI 214700 NOT 214705.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: _____

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS													1	0.300						0	1	0.300	
INSTALLATION KITS - UNIT COST														0.300									
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST															1	0.100				0	1	0.100	
TOTAL PROCUREMENT														0.300		0.100				0		0.400	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: _____ MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 3-4 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: 2/01

FY 2004: _____

FY 2005: 2/03

DELIVERY DATE: FY 2002: N/A

FY 2003: 2/02

FY 2004: _____

FY 2005: 2/04

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					0	0.000	
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT																						0	0.000
FY 2004 EQUIPMENT																						0	0.000
FY 2005 EQUIPMENT																						0	0.000
FY 2006 EQUIPMENT																						0	0.000
FY 2007 EQUIPMENT															1	0.100						1	0.100
FY 2008 EQUIPMENT																						0	0.000
FY 2009 EQUIPMENT																						0	0.000
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: BQS-15A EC-20 TYPE MODIFICATION: SHIPALT MODIFICATION TITLE: SSN Acoustics

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: _____

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS									4	3.000	4	3.000	6	4.800	8	6.500	2	1.700		0	24	19.000	
INSTALLATION KITS - UNIT COST										0.750		0.750		0.800		0.813		0.850					
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST											4	0.800	4	1.000	6	1.500	8	2.100	2	0.600	24	6.000	
TOTAL PROCUREMENT										3.000		3.800		5.800		8.000		3.800		0.600		25.000	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: BQS-15A EC-20 MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: NON-SHIPALT

ADMINISTRATIVE LEADTIME: 3-4 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: 2/01

FY 2004: _____

FY 2005: 2/03

DELIVERY DATE: FY 2002: N/A

FY 2003: 2/02

FY 2004: _____

FY 2005: 2/04

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					0	0.000	
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT																						0	0.000
FY 2004 EQUIPMENT																						0	0.000
FY 2005 EQUIPMENT											4	0.800										4	0.800
FY 2006 EQUIPMENT													4	1.000								4	1.000
FY 2007 EQUIPMENT															6	1.500						6	1.500
FY 2008 EQUIPMENT																	8	2.100				8	2.100
FY 2009 EQUIPMENT																			2	0.600		2	0.600
TO COMPLETE																							

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	1	2	1	0	2	2	2	0	2	4	2	2	24
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	1	2	1	0	2	2	2	0	2	4	2	2	24

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: SSN21 PHASE IV KIT (SA501) TYPE MODIFICATION: SHIPALT MODIFICATION TITLE: SSN Acoustics

DESCRIPTION/JUSTIFICATION:

INSTALLATION FUNDING CITED FOR FY 2002 & FY 2003 IS FOR DESIGN SERVICES (SHIPALT PACKAGE DEVELOPMENT);
 A-RCI PHASE IV KIT; ARCI-(V)5 KITS INCORPORATE ARCI PHASE II-IV CAPABILITY FOR THE SEAWOLF CLASS SUBMARINE.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS	1	6.683			1	9.700			1	10.100										0	3	26.483	
INSTALLATION KITS - UNIT COST		6.683				9.700				10.100													
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST	AP	0.635			AP	2.500	1	3.100	1	3.100	1	3.100								0	3	12.435	
TOTAL PROCUREMENT		7.318				12.200		3.100		13.200		3.100								0		38.918	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: SSN21 PHASE IV KIT MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 3-4 MOS

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: 2/01

FY 2004: _____

FY 2005: 2/03

DELIVERY DATE: FY 2002: N/A

FY 2003: 2/02

FY 2004: _____

FY 2005: 2/04

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PRIOR YEARS							1	3.100															1	3.100
FY 2002 EQUIPMENT																							0	0.000
FY 2003 EQUIPMENT									1	3.100													1	3.100
FY 2004 EQUIPMENT																							0	0.000
FY 2005 EQUIPMENT											1	3.100											1	3.100
FY 2006 EQUIPMENT																							0	0.000
FY 2007 EQUIPMENT																							0	0.000
FY 2008 EQUIPMENT																							0	0.000
FY 2009 EQUIPMENT																							0	0.000
TO COMPLETE																								

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Out	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: SSBN PHASE II KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 726 A-RCI TA KITS; FUNDS CITED FOR FY 2004 ARE FOR DESIGN SERVICES (SHIPALT PACKAGE DEVELOPMENT).
 PROVIDES TOWED ARRAY PASSIVE PROCESSING CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>			
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$		
<u>FINANCIAL PLAN (IN MILLIONS)</u>																						
<u>RDT&E</u>																				0	0.000	
<u>PROCUREMENT</u>																						
INSTALLATION KITS						1	3.099	1	3.200	5	16.100									7	22.399	
INSTALLATION KITS - UNIT COST							3.099		3.200		3.220											
INSTALLATION KITS NONRECURRING																					0.000	
EQUIPMENT																					0.000	
EQUIPMENT NONRECURRING																					0.000	
ENGINEERING CHANGE ORDERS																					0.000	
DATA																					0.000	
TRAINING EQUIPMENT																					0.000	
SUPPORT EQUIPMENT																					0.000	
OTHER																					0.000	
OTHER																					0.000	
OTHER																					0.000	
INTERIM CONTRACTOR SUPPORT																					0.000	
INSTALL COST							3.500	1	1.500	1	1.500	5	7.600								7	14.100
TOTAL PROCUREMENT							6.599		4.700		17.600		7.600									36.499

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: SSBN PHASE II KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:
 METHOD OF IMPLEMENTATION: **SHIP ALT**
 ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months
 CONTRACT DATES: FY 2002: N/A FY 2003: N/A FY 2004: 2/04 FY 2005: 2/05
 DELIVERY DATE: FY 2002: N/A FY 2003: N/A FY 2004: 2/05 FY 2005: 2/06

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																					0	0.000
FY 2002 EQUIPMENT																					0	0.000
FY 2003 EQUIPMENT																					0	0.000
FY 2004 EQUIPMENT									1	1.500											1	1.500
FY 2005 EQUIPMENT											1	1.500									1	1.500
FY 2006 EQUIPMENT													5	7.600							5	7.600
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.000
FY 2009 EQUIPMENT																					0	0.000
TO COMPLETE																					0	0.000

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	2	2	1	0	0	1	0	0	0	0	0	0	9
Out	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	0	2	2	1	0	0	1	0	0	0	0	0	0	9

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: SSBN PHASE II - III KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 726 A-RCI TA - SA KITS; THE FUNDING CITED FOR FY2007 (\$1.354M) IS FOR DESIGN SERVICES (SHIPALY PACKAGE DEVELOPMENT)
 PROVIDES SPHERICAL ARRAY PASSIVE PROCESSING CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS											1	7.600			4	31.400				5	39.000
INSTALLATION KITS - UNIT COST												7.600				7.850					
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																					0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST												1.354	1	2.800			4	11.400		5	15.554
TOTAL PROCUREMENT										0.000		8.954		2.800				11.400			23.154

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: SSBN PHASE II - III KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:
 METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: N/A
 DELIVERY DATE: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					0	0.000	
FY 2002 EQUIPMENT																						0	0.000
FY 2003 EQUIPMENT																						0	0.000
FY 2004 EQUIPMENT																						0	0.000
FY 2005 EQUIPMENT																						0	0.000
FY 2006 EQUIPMENT																						0	0.000
FY 2007 EQUIPMENT															1	2.800						1	2.800
FY 2008 EQUIPMENT																	0	0.000				0	0.000
FY 2009 EQUIPMENT																			4	11.400		4	11.400
TO COMPLETE																						0	0.000

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	5
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	5

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: SSBN PHASE III KITS TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:
 726 A-RCI SA KITS; PROVIDES SPHERICAL ARRAY PASSIVE PROCESSING CAPABILITY

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>FY 2002 & Prior</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>FY 2008</u>		<u>FY 2009</u>		<u>TC</u>		<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																				0	0.000
<u>PROCUREMENT</u>																					
INSTALLATION KITS										2	21.200			1	11.000	1	11.100		4	43.300	
INSTALLATION KITS - UNIT COST											10.600				11.000		11.100				
INSTALLATION KITS NONRECURRING																					0.000
EQUIPMENT																					0.000
EQUIPMENT NONRECURRING																					0.000
ENGINEERING CHANGE ORDERS																					0.000
DATA																					0.000
TRAINING EQUIPMENT																			0		0.000
SUPPORT EQUIPMENT																					0.000
OTHER																					0.000
OTHER																					0.000
OTHER																					0.000
INTERIM CONTRACTOR SUPPORT																					0.000
INSTALL COST													2	5.200			2	5.400		4	10.600
TOTAL PROCUREMENT												21.200		5.200				16.500			42.900

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: SSBN PHASE III KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:
 METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: N/A
 DELIVERY DATE: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					0	0.000	
FY 2002 EQUIPMENT																					0	0.000	
FY 2003 EQUIPMENT																					0	0.000	
FY 2004 EQUIPMENT																					0	0.000	
FY 2005 EQUIPMENT																					0	0.000	
FY 2006 EQUIPMENT																					0	0.000	
FY 2007 EQUIPMENT															2	5.200					2	5.200	
FY 2008 EQUIPMENT																					0	0.000	
FY 2009 EQUIPMENT																				1	2.700	1	2.700
TO COMPLETE																				1	2.700	1	2.700

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	4
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	4

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: SSGN PHASE IV KITS (SA104) TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

SSGN CONVERSION; THE INSTALLATION FUNDING CITED IN FY 2004 AND FY 2005 IS FOR DESIGN SERVICES (SHIPALT PACKAGE DEVELOPMENT).
 PROVIDES A-RCI Phase I-IV ON SSGN CONVERSIONS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2002 & Prior		-		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																						0	0.000
<u>PROCUREMENT</u>																							
INSTALLATION KITS									2	31.000	2	31.000										4	62.000
INSTALLATION KITS - UNIT COST										15.500		15.500											
INSTALLATION KITS NONRECURRING																							0.000
EQUIPMENT																							0.000
EQUIPMENT NONRECURRING																							0.000
ENGINEERING CHANGE ORDERS																							0.000
DATA																							0.000
TRAINING EQUIPMENT																						0	0.000
SUPPORT EQUIPMENT																							0.000
OTHER																							0.000
OTHER																							0.000
OTHER																							0.000
INTERIM CONTRACTOR SUPPORT																							0.000
INSTALL COST								1.000		0.500	2	7.000	2	7.000								4	15.500
TOTAL PROCUREMENT								1.000		31.500		38.000		7.000									77.500

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: SSGN PHASE IV KITS MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: 3/05

DELIVERY DATE: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: 3/06

(\$ in Millions)

Cost:	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																					0	0.000
FY 2002 EQUIPMENT																					0	0.000
FY 2003 EQUIPMENT																					0	0.000
FY 2004 EQUIPMENT																					0	0.000
FY 2005 EQUIPMENT											2	7.000									2	7.000
FY 2006 EQUIPMENT													2	7.000							2	7.000
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.000
FY 2009 EQUIPMENT																					0	0.000
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2002 & Prior	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	4
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	4

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: OA-9070 A/B UPGRADE TYPE MODIFICATION: SHIP ALT MODIFICATION TITLE: SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

PROVIDES NECESSARY TECHNICAL CONVERSION TO ACCOMMODATE TB-29 SERIES ARRAYS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2001 & Prior		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							0.000
<u>PROCUREMENT</u>																							0.000
INSTALLATION KITS	15	10.650	7	4.788	5	2.750	5	2.800	1	0.570	0	0.000	0	0.000							33	21.558	
INSTALLATION KITS - UNIT COST		0.710		0.684		0.550		0.560		0.570		0.000		0.000									0.000
INSTALLATION KITS NONRECURRING																							0.000
EQUIPMENT																							0.000
EQUIPMENT NONRECURRING																							0.000
ENGINEERING CHANGE ORDERS																							0.000
DATA																							0.000
TRAINING EQUIPMENT	1	0.669																				1	0.669
SUPPORT EQUIPMENT																							0.000
OTHER																							0.000
OTHER																							0.000
OTHER																							0.000
INTERIM CONTRACTOR SUPPORT																							0.000
INSTALL COST	10	17.085	5	7.905	7	9.613	9	15.879	2	4.734	1	2.530	0	0.000	0	0.000					34	57.746	
TOTAL PROCUREMENT		27.735		12.693		12.363		18.679		5.304		2.530		0.000		0.000				0.000			79.304

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: OA 9070 A/B UPGRADE MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 6 - 8 Months

CONTRACT DATES: FY 2002: 2/02

FY 2003: 2/03

FY 2004: 2/04

FY 2005: 2/05

DELIVERY DATE: FY 2002: 10/02

FY 2003: 10/03

FY 2004: 10/04

FY 2005: 10/05

(\$ in Millions)

Cost:	FY 2001 & Prior		FY2002		FY 2003		FY2004		FY2005		FY2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS	10	17.085	5	7.905																	15	24.990
FY 2002 EQUIPMENT					7	9.613															7	9.613
FY 2003 EQUIPMENT							5	9.924													5	9.924
FY 2004 EQUIPMENT							3	5.955	2	4.734											5	10.689
FY 2005 EQUIPMENT										1	2.530										1	2.530
FY 2006 EQUIPMENT																					0	0.000
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.000
FY 2009 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE:

	FY 2001 & Prior	FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	10	3	1	2	0	2	3	2	0	2	1	1	1	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	33
Out	10	3	1	2	0	2	3	2	0	2	1	1	1	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	33

NOTE: DUE TO THE 1 OCTOBER 2004 AVAILABILITY FOR 3 SHIPS THEIR INSTALLATION IS FUNDED WITH FY04 FUNDS.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: OK-542 TB-29 Conversion TYPE MODIFICATION: SHIP ALT SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

PROVIDES NECESSARY TECHNICAL CONVERSION TO ACCOMMODATE TB-29 SERIES ARRAYS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2001 & Prior		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							0.000
<u>PROCUREMENT</u>																							0.000
INSTALLATION KITS													1	0.575	6	3.522	6	3.528				13	7.625
INSTALLATION KITS - UNIT COST																0.587		0.588					0.000
INSTALLATION KITS NONRECURRING																							0.000
EQUIPMENT																							0.000
EQUIPMENT NONRECURRING																							0.000
ENGINEERING CHANGE ORDERS																							0.000
DATA																							0.000
TRAINING EQUIPMENT																							0.000
SUPPORT EQUIPMENT																							0.000
OTHER																							0.000
OTHER																							0.000
OTHER																							0.000
INTERIM CONTRACTOR SUPPORT																							0.000
INSTALL COST													AP	0.684	1	1.679	6	9.000	6	9.411	13	20.774	
TOTAL PROCUREMENT		0.000		0.000		0.000		0.000		0.000		0.000		1.259		5.201		12.528		9.411		28.399	

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: OK-542 TB-29 Conversion MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIP ALT

ADMINISTRATIVE LEADTIME: 24 MOS

PRODUCTION LEADTIME: 6-9 Months

CONTRACT DATES: FY 2002: N/A

FY 2003: N/A

FY 2004: N/A

FY 2005: N/A

DELIVERY DATE: FY 2002: N/A

FY 2003: N/A

FY 2004: N/A

FY 2005: N/A

(\$ in Millions)

Cost:	FY 2001 & Prior		FY2002		FY 2003		FY2004		FY2005		FY2006		FY 2007		FY 2008		FY 2009		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PRIOR YEARS																						0	0.000	
FY 2002 EQUIPMENT																							0	0.000
FY 2003 EQUIPMENT																							0	0.000
FY 2004 EQUIPMENT																							0	0.000
FY 2005 EQUIPMENT																							0	0.000
FY 2006 EQUIPMENT																							0	0.000
FY 2007 EQUIPMENT												AP	0.684	1	1.679								1	2.363
FY 2008 EQUIPMENT																	6	9.000					6	9.000
FY 2009 EQUIPMENT																							0	0.000
TO COMPLETE																			6	9.411			6	9.411

INSTALLATION SCHEDULE:

	FY 2001 & Prior	FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				IC	TOTAL				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	12	13
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	12	13

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Fiber Optic Receiver/Signal Path TYPE MODIFICATION: SHIP ALT SSN ACOUSTICS

DESCRIPTION/JUSTIFICATION:

PROVIDES NECESSARY TECHNICAL CONVERSION TO ACCOMMODATE FIBER OPTIC ARRAYS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2001 & Prior		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																							
<u>RDT&E</u>																							0.000
<u>PROCUREMENT</u>																							0.000
INSTALLATION KITS												1	1.434	7	10.241	8	11.936					16	23.611
INSTALLATION KITS - UNIT COST													1.434		1.463		1.492						0.000
INSTALLATION KITS NONRECURRING																							0.000
EQUIPMENT																							0.000
EQUIPMENT NONRECURRING																							0.000
ENGINEERING CHANGE ORDERS																							0.000
DATA																							0.000
TRAINING EQUIPMENT																						0	0.000
SUPPORT EQUIPMENT																							0.000
OTHER																							0.000
OTHER																							0.000
OTHER																							0.000
INTERIM CONTRACTOR SUPPORT																							0.000
INSTALL COST														1	0.950	7	6.783	8	8.160			16	15.893
TOTAL PROCUREMENT		0.000		0.000		0.000		0.000		0.000		0.000		1.434		11.191		18.719			8.160		39.504

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: Fiber Optic Receiver/Signal Path MODIFICATION TITLE: SSN ACOUSTICS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: **SHIP ALT**

ADMINISTRATIVE LEADTIME: 24 MOS

CONTRACT DATES: FY 2002: N/A PRODUCTION LEADTIME: 18 Months FY 2003: N/A FY 2004: N/A FY 2005: N/A
 DELIVERY DATE: FY 2002: N/A FY 2003: N/A FY 2004: N/A FY 2005: N/A

(\$ in Millions)

Cost:	FY 2001 & Prior		FY2002		FY 2003		FY2004		FY2005		FY2006		FY 2007		FY 2008		FY 2009		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		
PRIOR YEARS																						0	0.000	
FY 2002 EQUIPMENT																							0	0.000
FY 2003 EQUIPMENT																							0	0.000
FY 2004 EQUIPMENT																							0	0.000
FY 2005 EQUIPMENT																							0	0.000
FY 2006 EQUIPMENT																							0	0.000
FY 2007 EQUIPMENT															1	0.950							1	0.950
FY 2008 EQUIPMENT																	7	6.783					7	6.783
FY 2009 EQUIPMENT																			8	8.160			8	8.160
TO COMPLETE																								

INSTALLATION SCHEDULE:

	FY 2001 & Prior	FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	12

P-3A

BUDGET PRODUCTION SCHEDULE, P-21

DATE February 2004

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/BA2: COMMUNICATIONS AND ELECTRONICS

Weapon System

P-1 ITEM NOMENCLATURE
 SSN ACOUSTICS/H2SA

Item	Manufacturer's Name and Location	Production Rate (Per Yr)			Procurement Leadtimes				Unit of Measure	
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		Total
TB-29A Array	Lockheed Martin, Syracuse	8	27	36*						

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						CALENDAR YEAR 2002												CALENDAR YEAR 2003												
						U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
TB-29A Array/Lockheed Martin	2002	N	2	0	2																						2			
TB-29A Array/TBD	2003	N	3	0	3																	A						3		

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						CALENDAR YEAR 2004												CALENDAR YEAR 2005												
						U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
TB-29A Array/Lockheed Martin	2002	N	2	0	2					1		1															2			
TB-29A Array/TBD	2003	N	3	0	3								1		1		1										3			
TB-29A Array/TBD	2004	N	4	0	4						A														1	1	2			

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L
						CALENDAR YEAR 2006												CALENDAR YEAR 2007												
						U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	U C T	O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
TB-29A Array/TBD	2004	N	4	2	2	1	1																				0			

Remarks: * - Based on 2 shifts and minor additional test equipment.

BUDGET PRODUCTION SCHEDULE, P-21											DATE		February 2004																			
APPROPRIATION/BUDGET ACTIVITY						Weapon System			P-1 ITEM NOMENCLATURE																							
OTHER PROCUREMENT, NAVY/BA2: COMMUNICATIONS AND ELECTRONICS									SSN ACOUSTICS/H2SA																							
						Production Rate (Per Yr)			Procurement Leadtimes																							
Item		Manufacturer's Name and Location				MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																		
TB-16 Array		Chesapeake Sciences				8	27	36*																								
		Millersville, Maryland																														
ITEM / MANUFACTURER		F	S	Q	D	B	FISCAL YEAR 2002												FISCAL YEAR 2003													
		Y	V	T	E	A	CALENDAR YEAR 2002												CALENDAR YEAR 2003												B	
			C	C	L	L	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B	
			T	V			C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	
TB-16 Array/Chesapeake Sciences		2003	N	2	0	2																										2
ITEM / MANUFACTURER		F	S	Q	D	B	FISCAL YEAR 2004												FISCAL YEAR 2005													
		Y	V	T	E	A	CALENDAR YEAR 2004												CALENDAR YEAR 2005												B	
			C	C	L	L	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B	
			T	V			C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	
TB-16 Array/Chesapeake Sciences		2003	N	2	0	2											1	1														0
TB-16 Array/Chesapeake Sciences		2004	N	17	0	17					A								1	2	1	2	1	2	1	2	1	2	1	1	17	
ITEM / MANUFACTURER		F	S	Q	D	B	FISCAL YEAR 2006												FISCAL YEAR 2007													
		Y	V	T	E	A	CALENDAR YEAR 2006												CALENDAR YEAR 2007												B	
			C	C	L	L	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B	
			T	V			C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	

Remarks: * - Based on 2 shifts and minor additional test equipment.

BUDGET PRODUCTION SCHEDULE, P-21 DATE February 2004

APPROPRIATION/BUDGET ACTIVITY Weapon System P-1 ITEM NOMENCLATURE
OTHER PROCUREMENT, NAVY/BA2: COMMUNICATIONS AND ELECTRONICS SSN ACOUSTICS/H2SA

Item	Manufacturer's Name and Location	Production Rate (Per Yr)			Procurement Leadtimes				Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
TB-16 Next Generation	TBD	8	27	36*						

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L					
						CALENDAR YEAR 2002												CALENDAR YEAR 2003																	
						2001																													
						U	C	O	N	D	J	F	M	A	M	J	J	A	S	U	N	D	J	F	M	A	M	J	J	A	S	U	N	D	
						C	T	V	E	C	A	E	A	P	A	Y	N	L	U	E	C	O	V	E	A	E	A	P	A	Y	N	L	U	E	C

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L					
						CALENDAR YEAR 2004												CALENDAR YEAR 2005																	
						2003																													
						U	C	O	N	D	J	F	M	A	M	J	J	A	S	U	N	D	J	F	M	A	M	J	J	A	S	U	N	D	
						C	T	V	E	C	A	E	A	P	A	Y	N	L	U	E	C	O	V	E	A	E	A	P	A	Y	N	L	U	E	C

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L					
						CALENDAR YEAR 2006												CALENDAR YEAR 2007																	
						2005																													
TB-16 Next Generation- TBD	2005	N	7	0		U	C	O	N	D	J	F	M	A	M	J	J	A	S	U	N	D	J	F	M	A	M	J	J	A	S	U	N	D	
						C	T	V	E	C	A	E	A	P	A	Y	N	L	U	E	C	O	V	E	A	E	A	P	A	Y	N	L	U	E	C

Remarks: * - Based on 2 shifts and minor additional test equipment.