

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2004				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-02						P-1 ITEM NOMENCLATURE/SUBHEAD AN/SQQ-89(V) Surface ASW Combat System/ BLI 213600/5/ A2DB						
Program Element for Code B Items:						Other Related Program Elements Surface ASW Combat System Integration/PE 0205620N						
	FY 2002 and Prior	ID Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
COST (In Millions)	\$852.8			\$13.7	\$15.2	\$0.0	\$0.0	\$0.0	\$0.0	\$32.9	CONT.	CONT.
SPARES COST (In Millions)												
PROGRAM OVERVIEW:												
<p>The AN/SQQ-89 is a fully integrated surface ship Undersea Warfare (USW) combat system with capability to detect, classify, localize and attack submarine targets. The AN/SQQ-89(V) is the USW Combat System for new construction DDG51 class ships, backfit on DDG51 class ships, and also backfit on CG47 class ships as part of the Cruiser Modernization program. The AN/SQQ-89(V) configuration will vary based upon ship class, system production configuration, and pre-backfit configuration of each ship. This budget supports modernization of existing AN/SQQ-89(V) systems.</p> <p>The AN/SQQ-89A(V)15 backfit upgrade will capitalize on the AN/SQQ-89(V)15 forward fit investment and will integrate a new tactical towed array sensor (Multi Function Towed Array) to provide a Commercial-Off-The-Shelf (COTS) based USW combat system with the capability for mid-frequency bistatic and multi-static sonar operations. The AN/SQQ-89A(V)15 features a mid frequency bistatic hull/towed Sonar Echo Tracker Classifier, hull/towed Sonar with Acoustic Intercept fused data for improved torpedo defense, passive towed array processing, common Sub/Surface sensor performance and prediction, common NAVAIR/Surface LAMPS processing, portable software, and integrated supportability and on-line training.</p> <p>FY 2004 budget includes Congressional Add for 'AN/SQQ-89 Modernization' under DB008. Funds will be used for AN/SQQ-89(V) Build 2 upgrades under the AN/SQQ-89(V) modernization program. Specifically, funds will be used to procure, integrate and field a system for land based testing and a system on a DDG 51 class ship for at-sea demonstration, testing, fleet evaluation and assessment.</p> <p>FY 2004 budget includes Congressional Add for 'Surface Ship Anti-Submarine Warfare Improvements (only for procurement of surface ship Multi-Purpose Processor (MPP) Small Business Innovative Research (SBIR) Phase III improvements)' under DB010. Funds will be used to accelerate the fielding of mature ASW-related warfighting enhancements on ships currently configured with the AN/SQQ 89(V)6 USW combat system. Each installation will include state-of-the-art ASW improvements hosted on modern COTS hardware.</p> <p>FMP Installation: Funding is for the installation of equipment by "K" ALTs through shipyards and/or Alteration Installation Teams (AIT).</p>												

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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-02					C. P-1 ITEM NOMENCLATURE AN/SQQ-89(V) Surface ASW Combat System					SUBHEAD A2DB	
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	
FY 2003 DB600/AN/SQQ-89A(V)15	1	7,119	NAVSEA	September 01	Option FP	Lockheed Martin, NY	Dec 02	May 04	Yes		
D. REMARKS											

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: DDG51 Class Ships/ DB008 TYPE MODIFICATION: Added Capability MODIFICATION TITLE: AN/SQQ-89 Modernization

DESCRIPTION/JUSTIFICATION:

FY 2004 budget included Congressional Add for 'AN/SQQ-89 Modernization' under DB008. Funds will be used for AN/SQQ-89(V) Build 2 upgrades under the AN/SQQ-89(V) modernization program. Specifically, funds will be used to procure, integrate and field a system for land based testing and a system on a DDG 51 class ship for at-sea demonstration, testing, fleet evaluation and assessment.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: **N/A**

	<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>To Complete</u>		<u>TOTAL</u>	
	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																				0.0
INSTALLATION KITS - UNIT COST																				0.0
INSTALLATION KITS NONRECURRING																				0.0
EQUIPMENT						7.0														7.0
EQUIPMENT NONRECURRING						2.8														2.8
ENGINEERING CHANGE ORDERS																				0.0
DATA																				0.0
TRAINING EQUIPMENT																				0.0
SUPPORT EQUIPMENT																				0.0
OTHER - ECPs																				0.0
OTHER - ENGINEERING SUPPORT						1.1														1.1
OTHER																				0.0
INTERIM CONTRACTOR SUPPORT																				0.0
INSTALL COST																				0.0
TOTAL PROCUREMENT		0.0				0.0	10.9		0.0	0.0	0.0	0.0	0.0	0.0		0.0				10.9

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: DDG51 Class Ships/ DB010 TYPE MODIFICATION: Added Capability MODIFICATION TITLE: Surface Ship ASW Improvements

DESCRIPTION/JUSTIFICATION:

FY 2004 budget included Congressional Add for 'Surface Ship Anti-Submarine Warfare Improvements (only for procurement of surface ship MPP SBIR Phase III improvements)' under DB010. Funds will be used to accelerate the fielding of mature ASW-related warfighting enhancements on ships currently configured with the AN/SQQ-89(V)6 USW combat system. Each installation will include state-of-the-art ASW improvements hosted on modern COTS hardware.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: **N/A**

	<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>To Complete</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>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					0.0
INSTALLATION KITS - UNIT COST																					0.0
INSTALLATION KITS NONRECURRING																					0.0
EQUIPMENT						3.7															3.7
EQUIPMENT NONRECURRING																					0.0
ENGINEERING CHANGE ORDERS																					0.0
DATA																					0.0
TRAINING EQUIPMENT																					0.0
SUPPORT EQUIPMENT																					0.0
OTHER - ECPs																					0.0
OTHER - ENGINEERING SUPPORT						0.6															0.6
OTHER																					0.0
INTERIM CONTRACTOR SUPPORT																					0.0
INSTALL COST																					0.0
TOTAL PROCUREMENT		0.0				0.0	4.3	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	4.3

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Trainers (DB600) & Shore Sites (DB700) TYPE MODIFICATION: Added Capability MODIFICATION TITLE: AN/SQQ-89 Surf ASW Combat Sys

DESCRIPTION/JUSTIFICATION:

Procurement of AN/SQQ-89 Surface ASW Combat System equipment at training centers and shore sites to match upgrades to current ship systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: **AN/SQQ-89A(V)15 Pre-Production Prototype ordered in FY 2003 and to be installed 3Q04 (RDT&E PE 0205620N)**

	<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>To Complete</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>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					0.0
INSTALLATION KITS - UNIT COST																					0.0
INSTALLATION KITS NONRECURRING																					0.0
EQUIPMENT																					0.0
EQUIPMENT NONRECURRING																					0.0
ENGINEERING CHANGE ORDERS																					0.0
DATA																					0.0
TRAINING EQUIPMENT	Var	17.6			1	7.1															24.7
SUPPORT EQUIPMENT	Var	43.1			Var	0.6															43.7
OTHER - ECPs																					0.0
OTHER - ENGR SUPT (DB830/900/984)		42.1				1.4															43.5
OTHER																					0.0
INTERIM CONTRACTOR SUPPORT																					0.0
INSTALL COST																					0.0
TOTAL PROCUREMENT		102.8				9.1	0.0		0.0		0.0		0.0		0.0				0.0		111.9