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EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-05					R-1 ITEM NOMENCLATURE 0604329N Small Diameter Bomb (SDB)			
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost		0.100	0.000	9.961	9.972	9.978	0.000	0.000
A3072 Small Diameter Bomb (SDB)		0.100	0.000	9.961	9.972	9.978	0.000	0.000

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Small Diameter Bomb (SDB) is an precision guided munition development program to provide an affordable solution to attack designated targets. SDB's ultimate objective to increase kills per sortie on current and future aircraft platforms addresses the following warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather, precision munitions capability; capability against hardened targets; reduced munitions footprint; increased weapons effectiveness against area targets; real-time target location and/or kill capability versus small/mobile targets; reduced susceptibility to Camouflage, Concealment and Deception (CCD); minimize potential for collateral damage; and reduced susceptibility of munitions to countermeasures. Threshold aircraft for Increment I is the F-15E, with the F-16 and B-1 as Increment II threshold platforms. Objective aircraft include the B-2, A-10, Joint Strike Fighter (JSF), F-22, B-52 and the Unmanned Combat Aerial Vehicle (UCAV). SDB is a Pre-MDAP (Major Defense Acquisition Program), ACAT1C program with the Air Force as the lead service. Navy funding encompasses pre-integration risk reduction testing for eventual integration on the F-18 aircraft.

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05	PROGRAM ELEMENT NUMBER AND NAME 0604329N Small Diameter Bomb (SDB)				PROJECT NUMBER AND NAME A3072 Small Diameter Bomb (SDB)			
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		0.100	0.000	9.961	9.972	9.978		
RDT&E Articles Qty		0	0	0	3	2	0	0
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>Small Diameter Bomb (SDB) is an precision guided munition development program to provide an affordable solution to attack designated targets. SDB's ultimate objective to increase kills per sortie on current and future aircraft platforms addresses the following warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather, precision munitions capability; capability against hardened targets; reduced munitions footprint; increased weapons effectiveness against area targets; real-time target location and/or kill capability versus small/mobile targets; reduced susceptibility to Camouflage, Concealment and Deception (CCD); minimize potential for collateral damage; and reduced susceptibility of munitions to countermeasures. Threshold aircraft for Increment I is the F-15E, with the F-16 and B-1 as Increment II threshold platforms. Objective aircraft include the B-2, A-10, Joint Strike Fighter (JSF), F-22, B-52 and the Unmanned Combat Aerial Vehicle (UCAV). SDB is a Pre-MDAP, ACAT1C program with the Air Force as the lead service. Navy funding encompasses pre-integration risk reduction testing for eventual integration on the F-18 aircraft.</p>								

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(U) B. Accomplishments/Planned Program																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 10%;"></th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>EMD/ Carrier Operability/ Pre Integration</td><td></td><td style="text-align: center;">0.100</td><td style="text-align: center;">0.000</td><td style="text-align: center;">9.961</td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">FY03 funding is to monitor design definition of SDB and carriage system for applications to future platforms (e.g., JSF) during Increment I. FY05 funding is to perform risk reduction pre-integration testing during Increment II to include JSF Fit checks, Shipboard Suitability, Electromagnetic Environmental Effects, System Safety, Climatic/Dynamic Environments, Structures/Loads/Materials, Separations Wind Tunnel, and Catapult/Arrested Landings testing.</div> <div style="margin-top: 20px;"><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 10%;"></th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table><div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div><div style="margin-top: 20px;"><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 10%;"></th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table><div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div></div></div>							FY 03	FY 04	FY 05	EMD/ Carrier Operability/ Pre Integration		0.100	0.000	9.961	RDT&E Articles Quantity							FY 03	FY 04	FY 05													FY 03	FY 04	FY 05										
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EXHIBIT R-2a, RDT&E Project Justification			DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05	PROGRAM ELEMENT NUMBER AND NAME 0604329N Small Diameter Bomb (SDB)	PROJECT NUMBER AND NAME A3072 Small Diameter Bomb (SDB)		
(U) C. PROGRAM CHANGE SUMMARY:				
(U) Funding:		FY 2003	FY 2004	FY 2005
Previous President's Budget		1.945	0.000	0.000
Current BES/President's Budget		0.100	0.000	9.961
Total Adjustments		-1.845	0.000	9.961
Summary of Adjustments				
Economic Assumptions				
Reprogrammings				
Other Adjustments		-1.845		9.961
Congressional increases				
Subtotal		-1.845	0.000	9.961
(U) Schedule:				
Schedule provided is Air Force specific.				
(U) Technical:				
Not Applicable.				

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05		PROGRAM ELEMENT NUMBER AND NAME 0604329N Small Diameter Bomb (SDB)			PROJECT NUMBER AND NAME A3072 Small Diameter Bomb (SDB)				
(U) D. OTHER PROGRAM FUNDING SUMMARY:									
<u>Line Item No. & Name</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 Cost</u>
RDT&E U.S. Air Force P.E. 0604329F (SDB)	53.118	126.447	76.685	85.742	87.621	77.800	56.500	0.000	634.259
Missile Procurement U.S. Air Force P.E. 0207327F			26.693	45.479	77.000	71.158	78.637	917.282	1216.248
SDB Qty			158	512	1,200	1,340	1,508	19,282	24000
(U) E. ACQUISITION STRATEGY:									
Monitor design definition of SDB and carriage system for applications to future platforms (e.g., JSF). No Navy RDT&E requirements for Increment I on existing platforms. Perform risk reduction pre-integration testing during Increment II to include JSF Fit checks, Shipboard Suitability, Electromagnetic Environmental Effects, System Safety, Climatic/Dynamic Environments, Structures/Loads/Materials, Separations Wind Tunnel, and Catapult/Arrested Landings testing.									

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Exhibit R-3 Cost Analysis (page 1)								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05			PROGRAM ELEMENT 0604329N Small Diameter Bomb (SDB)			PROJECT NUMBER AND NAME A3072 Small Diameter Bomb (SDB)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Aircraft Pre-Integration	Misc	Various						1.500	12/04	2.150	3.650	
SDB Development	CPAF	Boeing						1.100	12/04	2.150	3.250	3.250
Test Assets	CPIF	Boeing								5.800	5.800	5.800
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			0.000	0.000		0.000		2.600		10.100	12.700	
Remarks:												
Weapon Systems Engineering	Misc	Various		0.100	07/03			1.220	11/04	1.030	2.350	
Government Engineering Support	Misc	Various						1.100	11/04	3.500	4.600	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Support			0.000	0.100		0.000		2.320		4.530	6.950	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-05			0604329N Small Diameter Bomb (SDB)			A3072 Small Diameter Bomb (SDB)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWCAD & WD						2.500	11/04	2.842	5.342	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal T&E			0.000	0.000		0.000		2.500		2.842	5.342	
Remarks:												
Contractor Engineering Support	RX	Various						1.500	11/04	1.500	3.000	
Program Management Support	Misc	Various						1.000	11/04	0.900	1.900	
Travel	WX	Various						0.041	11/04	0.078	0.119	
											0.000	
											0.000	
											0.000	
Subtotal Management			0.000	0.000		0.000		2.541		2.478	5.019	
Remarks:												
Total Cost			0.000	0.100		0.000		9.961		19.950	30.011	
Remarks:												

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EXHIBIT R4, Schedule Profile																								DATE: February 2004								
APPROPRIATION/BUDGET ACTIVITY												PROGRAM ELEMENT NUMBER AND NAME												PROJECT NUMBER AND NAME								
RDT&E, N / BA-05												0604329N Small Diameter Bomb (SDB)												A3072 Small Diameter Bomb (SDB)								
Fiscal Year	2002				2003				2004				2005				2006				2007				2008				2009			
	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				
Increment I Acquisition Milestones	MS A Contract Award				MS B				MS C				FRP																			
Increment I Test & Evaluation Milestones					Contractor I				Seamless Verification				Spirals				F-15 RAA															
Increment II Acquisition Milestones													MS B				MS C				RAA											
Increment II Test & Evaluation Milestones													CAD				SDD				Production											
Increment III Acquisition Milestones																					MS B											
Increment III Test & Evaluation Milestones																					CAD				SDD							
Production Milestones																	AF-158				Air Force-512				Air Force-1,200				Air Force -1,340			
LRIP Lot 1 FY 05																																
Lot 2 FY 06																																
FRP Lot 3 FY 07																																
Lot 4 FY08																																

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* Not required for Budget Activities 1, 2, 3, and 6

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Exhibit R-3, RDTEN Project Justification
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Exhibit R-3, RD TEN Project Justification
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