

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2003	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-05					R-1 ITEM NOMENCLATURE 0604329N Small Diameter Bomb (SDB)			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost		1.945						
A3072 Small Diameter Bomb (SDB)		1.945						

(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 Phase 1 is the F-15E, with the F-16 and B-1 as Phase 2 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.

R-1 SHOPPING LIST - Item No.

109

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2003	
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 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		1.945						
RDT&E Articles Qty								
<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 Phase 1 is the F-15E, with the F-16 and B-1 as Phase 2 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.</p>								

R-1 SHOPPING LIST - Item No.

109

UNCLASSIFIED

Budget Item Justification
(Exhibit R-2, page 2 of 7)

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: Februrary 2003																
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) B. Accomplishments/Planned Program																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</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</td><td></td><td>1.945</td><td></td><td></td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table>						FY 02	FY 03	FY 04	FY 05	EMD/ Carrier Operability		1.945			RDT&E Articles Quantity				
	FY 02	FY 03	FY 04	FY 05															
EMD/ Carrier Operability		1.945																	
RDT&E Articles Quantity																			
<div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</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>						FY 02	FY 03	FY 04	FY 05										
	FY 02	FY 03	FY 04	FY 05															
<div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 15%;">FY 02</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>						FY 02	FY 03	FY 04	FY 05										
	FY 02	FY 03	FY 04	FY 05															
<div style="border: 1px solid black; height: 60px; margin-top: 10px;"></div>																			

R-1 SHOPPING LIST - Item No. 109

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: February 2003	
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 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget	0.000	1.989	0.000	0.000
Current BES/President's Budget	0.000	1.945	0.000	0.000
Total Adjustments	0.000	-0.044	0.000	0.000
Summary of Adjustments				
Congressional program reductions				
Congressional undistributed reductions		-0.012		
Congressional rescissions				
SBIR/STTR Transfer				
Economic Assumptions		-0.032		
Reprogrammings				
SPONSOR/FMB/NAVAIR Adjustments				
Congressional increases				
Subtotal	0.000	-0.044	0.000	0.000

(U) Schedule:
Not Applicable.

(U) Technical:
Not Applicable.

R-1 SHOPPING LIST - Item No. 109

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2003	
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 2002</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)	38.753	53.118	126.447	67.685	47.942	15.421	0.000	0.000	0.000	377.084
Missile Procurement										
U.S. Air Force P.E. 0207327F				38.379	96.933	184.388	180.593	194.513	1,395.505	2090.311
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 Phase I on existing platforms.

R-1 SHOPPING LIST - Item No. 109

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)										DATE: February 2003		
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
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Aircraft Compatibility/Design Study	WX	NAWCWD China Lake		0.928	10/02						0.928	
Aircraft Compatibility/Design Study	WX	NAWCAD Patuxent River		1.017	10/02						1.017	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Support			0.000	1.945		0.000		0.000		0.000	1.945	
Remarks:												

R-1 SHOPPING LIST - Item No. 109

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 2)										DATE: February 2003		
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
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost			0.000	1.945		0.000		0.000		0.000	1.945	
Remarks:												

R-1 SHOPPING LIST - Item No. 109

UNCLASSIFIED