

# UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification								DATE: <b>February 2002</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-05</b>						R-1 ITEM NOMENCLATURE 0604329N Small Diameter Bomb (SDB)					
COST (\$ in Millions)	Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost	0.000		0.000	0.000	1.989					0.000	1.989
A3072 Small Diameter Bomb (SDB)	0.000		0.000	0.000	1.989					0.000	1.989
Quantity of RDT&E Articles	Not Applicable										
<p>(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.</p> <p>(U) JUSTIFICATION FOR BUDGET ACTIVITY:                      This program is funded under SYSTEMS DEVELOPMENT &amp; DEMONSTRATION because it encompasses systems development &amp; demonstration of new end-items prior to production approval decision.</p>											

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EXHIBIT R-2a, RDT&E Project Justification								DATE: <b>February 2002</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-05</b>		PROGRAM ELEMENT NUMBER AND NAME 0604329N Small Diameter Bomb (SDB)				PROJECT NUMBER AND NAME A3072 Small Diameter Bomb (SDB)					
COST (\$ in Millions)	Prior Years Cost		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost	<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>1.989</b>					<b>0.000</b>	<b>1.989</b>
RDT&E Articles Qty											<b>0</b>

**(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.

**PROGRAM ACCOMPLISHMENTS AND PLANS:**

**1. FY FY 2001 ACCOMPLISHMENTS:**

- (U) (\$0.000) Not applicable

**2. FY 2002 PLANS:**

- (U) (\$0.000) Not applicable

**3. FY 2003 PLANS:**

- (U) (\$1.989) Monitor SDB Component Advanced Development (CAD) for compatibility with Navy/Marine Corps aircraft and the carrier environment. CAD tasks include monitoring design definition for SDB and carriage system, and study Navy/Marine Corps applications.

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME			
<b>RDT&amp;E, N / BA-05</b>	0604329N Small Diameter Bomb (SDB)			A3072 Small Diameter Bomb (SDB)			
<b>(U) B. PROGRAM CHANGE SUMMARY:</b>							
	FY2001	FY2002	FY2003				
(U) FY2002 President's Budget:	0.000	0.000					
(U) Adjustments from the FY2002 President's Budget:	0.000	0.000					
(U) FY2003 President's Budget Submit:	0.000	0.000	1.989				
 <b>CHANGE SUMMARY EXPLANATION:</b>							
(U) Funding:	Not applicable.						
(U) Schedule:	Not applicable.						
(U) Technical:	Not applicable.						
 <b>(U) C. OTHER PROGRAM FUNDING SUMMARY:</b>							
<u>Line Item No. &amp; Name</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
RDT&E							
U.S. Air Force P.E. 0604329F (SDB)	25.000	34.653	54.368	79.519	69.401	101.934	202.432
Missile Procurement							
U.S. Air Force P.E. 0207327F					19.751	56.018	115.660
Qty					TBD	TBD	TBD

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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
<b>RDT&amp;E, N / BA-05</b>	0604329N Small Diameter Bomb (SDB)	A3072 Small Diameter Bomb (SDB)	
<p>(U) D. ACQUISITION STRATEGY: Two contractors have been selected for the 24 month CAD phase using Firm Fixed Price contracts. Downselect to one contractor will occur prior to System Development and Demonstration (SDD). There will be two SDBs; a fixed target variant and a mobile target variant.</p> <p>(U) E. SCHEDULE PROFILE: The schedule provided below contains major program milestones. There currently are no Navy specific milestones within the SDB program.</p>			
	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
			<u>TO COMPLETE</u>
(U) Program Milestones	4Q Milestone A		4Q Milestone B
			FY05 MS C1 (Phase I) FY07 FRP Award (Phase I) FY07 MS C2 (Phase II)
(U) Engineering Milestones		CAD Contractor I CAD Contractor II	
(U) T&E Milestones			FY04 Combined DT/OT (Phase I) FY05 Combined DT/OT (Phase II) FY05 IOT&E (Phase I) FY08 IOT&E (Phase II)
(U) Contract Milestones			4Q SDO Award

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Exhibit R-3 Cost Analysis (page 1)									DATE: <b>February 2002</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-05</b>			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 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Weapon Carrier Operability	WX	NAWCWD China Lake	0.000	0.000		0.000		1.000	10/03		1.000	
Aircraft Compatibility	WX	NAWCAD Patuxent River	0.000	0.000		0.000		0.989	10/03		0.989	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			0.000	0.000		0.000		1.989		0.000	1.989	
Remarks:												
Development Support Equipment												
Software Development												
Training Development												
Integrated Logistics Support												
Configuration Management												
Technical Data												
GFE												
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)										DATE: <b>February 2002</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-05</b>			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 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	FY 03 Cost	FY 03 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation												
Operational Test & Evaluation												
Tooling												
GFE												
Subtotal T&E			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support												
Travel												
Labor (Research Personnel)												
Overhead												
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												
Total Cost			0.000	0.000		0.000		1.989		0.000	1.989	
Remarks:												

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**Exhibit R-2, RDTEB Budget Item Justification**  
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