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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy	Date: March 2014
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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	114.701	28.883	24.925	71.849	-	71.849	85.349	107.275	115.170	133.521	Continuing	Continuing
1663: <i>SDB II Integration</i>	0.000	-	-	29.000	-	29.000	32.000	35.000	47.000	62.000	Continuing	Continuing
3072: <i>Small Diameter Bomb (SDB)</i>	108.283	16.577	16.565	28.916	-	28.916	41.580	63.439	63.308	67.887	62.244	468.799
3082: <i>JMM BRU</i>	6.418	12.306	8.360	13.933	-	13.933	11.769	8.836	4.862	3.634	1.461	71.579

MDAP/MAIS Code: 439

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Small Diameter Bomb Increment II (SDB II) is a joint program, with the Air Force (AF) as the lead service, which provides the warfighter a capability to attack mobile targets in all weather from Stand-Off range. SDB II addresses the following warfighter requirements: attack mobile targets, adverse weather operations, multiple kills per pass, multiple ordnance carriage, precision munitions capability, capability against fixed targets, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, reduced susceptibility of munitions to countermeasures, and provides a net-centric operations capability. The threshold aircraft for the AF is the F-15E and the threshold aircraft for the Department of Navy are the F-35B and F-35C. SDB II will be compatible with the Joint Miniature Munitions Bomb Rack Unit (JMM BRU) (BRU-61A/A).

This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	31.064	46.007	53.481	-	53.481
Current President's Budget	28.883	24.925	71.849	-	71.849
Total Adjustments	-2.181	-21.082	18.368	-	18.368
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-21.082			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.626	-			
• Rate/Misc Adjustments	0.001	-	18.368	-	18.368

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• Congressional General Reductions Adjustments		-1.556	-	-	-	-	-
<u>Change Summary Explanation</u> Technical: FY14 funding was reduced due to congressional marks for carryover and an undefined program decrease. Creation of project unit 1663, SBD II Integration, was funded to support the F/A-18 E/F SDB II integration program in FY15. Schedule: Due to delays in testing, Milestone C has slipped to 4Q 2015.							

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014																																																																		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>				Project (Number/Name) 1663 / <i>SDB II Integration</i>																																																																			
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Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-																																																																		
# The FY 2015 OCO Request will be submitted at a later date. A. Mission Description and Budget Item Justification The F/A-18E/F Super Hornet is an objective platform for employment of the Small Diameter Bomb II (SDB II) and the Joint Miniature Munitions Bomb Rack Unit (JMM BRU). This program funds the hardware and software design, development, integration and testing required to successfully integrate SDB II/JMM BRU on the F/A-18E/F. IOC is scheduled for FY2019. FY2014 funding resides in PE 0204136N, PU 1662 F/A-18 Improvement B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2013</th> <th>FY 2014</th> <th>FY 2015</th> </tr> </thead> <tbody> <tr> <td>Title: F/A-18 Integration</td> <td align="center">-</td> <td align="center">-</td> <td align="right">29.000</td> </tr> <tr> <td align="right">Articles:</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> </tr> <tr> <td>FY 2013 Accomplishments: N/A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2014 Plans: N/A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2015 Plans: System specification and design efforts for SDB II and JMM BRU integration efforts. System configuration set software development and integration.</td> <td></td> <td></td> <td></td> </tr> <tr> <td align="right">Accomplishments/Planned Programs Subtotals</td> <td align="center">-</td> <td align="center">-</td> <td align="right">29.000</td> </tr> </tbody> </table> C. Other Program Funding Summary (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Line Item</th> <th>FY 2013</th> <th>FY 2014</th> <th>FY 2015 Base</th> <th>FY 2015 OCO</th> <th>FY 2015 Total</th> <th>FY 2016</th> <th>FY 2017</th> <th>FY 2018</th> <th>FY 2019</th> <th>Cost To Complete</th> <th>Total Cost</th> </tr> </thead> <tbody> <tr> <td>• 0204136N/1662: <i>SDB II Integration</i></td> <td align="center">-</td> <td align="right">9.300</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">9.300</td> </tr> <tr> <td colspan="12">Remarks</td> </tr> </tbody> </table> D. Acquisition Strategy Integration of SDB II and the JMM BRU is software driven with ground and flight test requirements.														FY 2013	FY 2014	FY 2015	Title: F/A-18 Integration	-	-	29.000	Articles:	-	-	-	FY 2013 Accomplishments: N/A				FY 2014 Plans: N/A				FY 2015 Plans: System specification and design efforts for SDB II and JMM BRU integration efforts. System configuration set software development and integration.				Accomplishments/Planned Programs Subtotals	-	-	29.000	Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	• 0204136N/1662: <i>SDB II Integration</i>	-	9.300	-	-	-	-	-	-	-	-	9.300	Remarks											
	FY 2013	FY 2014	FY 2015																																																																									
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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
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E. Performance Metrics

Earned value will be used for the contracted efforts.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604329N / Small Diameter Bomb (SDB)				Project (Number/Name) 1663 / SDB II Integration					
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OFP Development and Support	SS/IDIQ	Boeing : St. Louis, MO	0.000	-		-		5.086	Nov 2014	-		5.086	42.575	47.661	47.661
SDB II Prime Contractor Support	SS/IDIQ	Raytheon Missile Systems : Tuscon, AZ	0.000	-		-		9.542	Nov 2014	-		9.542	16.449	25.991	25.991
JMM BRU Prime Contractor Support	SS/IDIQ	Raytheon Technical Services Company, LLC : Indianapolis, IN	0.000	-		-		8.606	Nov 2014	-		8.606	17.842	26.448	26.448
SDB II/JMM BRU Integration Support	WR	NAWC AD : Patuxent River, MD	0.000	-		-		2.000	Nov 2014	-		2.000	Continuing	Continuing	Continuing
SDB II/JMM BRU Software Support	WR	NAWC WD : China Lake, CA	0.000	-		-		3.766	Nov 2014	-		3.766	Continuing	Continuing	Continuing
Subtotal			0.000	-		-		29.000		-		29.000	-	-	-
Remarks															
Funding for SDB II and JMM BRU Prime Contractors includes support of Super Hornet Integration efforts. FY2014 Support funding is included in PE0204136N, PU1662.															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test	WR	NAWC AD : Patuxent River, MD	0.000	-		-		-		-		-	31.461	31.461	-
Operational Test	WR	NAWC WD : China Lake, CA	0.000	-		-		-		-		-	14.041	14.041	-
Subtotal			0.000	-		-		-		-		-	45.502	45.502	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		-		29.000		-		29.000	-	-	-

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	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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PE 0604329N: *Small Diameter Bomb (SDB)*
Navy

R-1 Line #107

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604329N / *Small Diameter Bomb*
(SDB)

Project (Number/Name)
1663 / *SBD II Integration*

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 1663 / <i>SDB II Integration</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1663				
F/A-18 E/F SDB II Integration: OFP Development and Integration: OFP Development and Integration	1	2015	1	2018
F/A-18 E/F SDB II Integration: Developmental Test: Developmental Test	1	2018	3	2018
F/A-18 E/F SDB II Integration: Operational Test: Operational Test	3	2018	2	2019
Initial Operating Capability: Initial Operating Capability	3	2019	3	2019

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604329N / Small Diameter Bomb (SDB)				Project (Number/Name) 3072 / Small Diameter Bomb (SDB)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3072: Small Diameter Bomb (SDB)	108.283	16.577	16.565	28.916	-	28.916	41.580	63.439	63.308	67.887	62.244	468.799
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
SDB II is an ACAT ID program providing the warfighter a capability to attack mobile targets in all weather from Stand-Off range. The Air Force is the lead service, Raytheon in Tucson, AZ is the prime contractor. SDB II addresses the following warfighter requirements: attack mobile targets, multiple kills per pass, multiple ordnance carriage, all weather operations, near-precision munitions capability, capability against fixed targets, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, reduced susceptibility of munitions to countermeasures, and a migration path to net centric ops capability. Threshold aircraft is the F-15E for the Air Force and the F-35B and F-35C for the Department of the Navy. Objective aircraft include the F/A-22, B-1, B-2, F-117, F-16, B-52, Predator B, and F/A-18E/F.												
As a result of the Joint Strike Fighter (JSF) (F-35) programs restructure, SDB II integration was moved from the JSF Operational Flight Plan (OFP) Block 3 to Block 4. IOC is FY2020.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: SDB II Weapon Support Articles: Description: Funding provides for SDB II Engineering Manufacturing and Development (EMD) efforts including weapon vendor support, test assets, and government support. FY 2013 Accomplishments: Continued support of EMD and integration of SDB II with F-35B and F-35C. FY 2014 Plans: Continue support of EMD and integration of SDB II with F-35B and F-35C. Continue support of SDB II prime contractor and government support of weapon development efforts. FY 2015 Plans:									15.000	11.655	8.353	
									-	-	-	

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Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>				Project (Number/Name) 3072 / <i>Small Diameter Bomb (SDB)</i>			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015
Continue support of EMD and integration of SDB II with F-35B and F-35C. Continue support of SDB II prime contractor and government support of weapon development efforts. Begin specific F-35B and F-35C efforts with SDB II prime contractor which were delayed to FY15 to accommodate the JSF OFP change from Block 3 to Block 4.											
<i>Title:</i> JSF Integration									1.577	4.910	20.563
<i>Articles:</i>									-	-	-
<i>Description:</i> Funding provided for integration of SDB II on F-35B and F-35C, specifically for Lockheed Martin to develop F-35 Operational Flight Program (OFP) software, flight missions, and support and analysis of missions.											
<i>FY 2013 Accomplishments:</i> Continued F-35 OFP development and coding and support fit checks with SDB II Weapon vendor (Raytheon).											
<i>FY 2014 Plans:</i> Continue F-35 OFP development and coding and support fit checks and testing with SDB II Weapon Vendor. Begin software coding of Universal Armament Interface (UAI) and JSF Block 4 OFP and full manning of JSF prime contractor team to support SDB II weapon development.											
<i>FY 2015 Plans:</i> Continue F-35 UAI OFP development and coding and support fit checks and testing with SDB II Weapon vendor. Begin F-35 bay modifications required for SDB II/JSF/JMM BRU integration. Full manning of JSF prime contractor team to support SDB II weapon development and integration.											
Accomplishments/Planned Programs Subtotals									16.577	16.565	28.916
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• RDTE,AF/0604329F: <i>Small Diameter Bomb</i>	126.485	115.000	54.000	-	54.000	18.000	64.000	15.675	15.958	3.308	1,139.654
• MPAF/0207327F: <i>Small Diameter Bomb</i>	1.974	42.347	71.353	-	71.353	101.961	94.770	73.458	144.985	1,329.749	1,860.597
• WPN/223800: <i>Small Diameter Bomb</i>	-	-	-	-	-	-	24.181	93.599	95.464	456.842	670.086
Remarks											

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 3072 / <i>Small Diameter Bomb (SDB)</i>
D. Acquisition Strategy The SDB Increment II acquisition strategy is to conduct a full and open competition to select up to two contractors to compete during a planned 42-month risk reduction phase prior to entering EMD. This competition began April 17, 2006 with the signature of contracts to the competing contractors: 1) Raytheon and 2) the team of Boeing and Lockheed Martin. A Fixed Price Incentive Firm Target type contract for EMD, including Firm Fixed Price procurement options for Lots 1-3 was awarded to Raytheon August 9, 2010. Lots 4 & 5 are included in the contract, but are Not-To-Exceed options. The Navy funding will support Navy-unique efforts for SDB Increment II, such as aircraft integration, ship suitability, studies and analysis, and program management and government in-house support. These efforts will be performed on several cost-type contracts or through cost reimbursable work requests to government activities and contractors. E. Performance Metrics Earned value management has been implemented on the EMD contract with Raytheon.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy	Date: March 2014
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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 3072 / <i>Small Diameter Bomb (SDB)</i>
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Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development - SDB II EMD	C/FPIF	Raytheon : Tucson, AZ	10.835	10.319	Jan 2013	6.200	Jan 2014	2.166	Jan 2015	-		2.166	95.052	124.572	124.572
Aircraft Integration - JSF	C/CPFF	Lockheed Martin : Fort Worth, TX	16.578	1.577	Jan 2014	-		11.563	Jan 2015	-		11.563	35.700	65.418	65.418
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	15.497	-		-		-		-		-	-	15.497	-
Subtotal			42.910	11.896		6.200		13.729		-		13.729	130.752	205.487	-

Remarks

Primary Hardware Development Prior Years includes McDonnell Douglas Corp and Raytheon Missile Systems Primary H/W Development for the SDB II 42-month risk reduction phase, \$4.393M for Boeing/Lockheed Martin team and \$4.393M for Raytheon and \$2.6M for Joint Surface Warfare (JSuW) efforts with Raytheon and \$4.111M for BRU-61 Shipboard Suitability efforts.

Primary Hardware Development to Raytheon in Tucson, AZ reflects the winning SDB II contractor and includes test assets. FY13 includes additional tasks required not included in the baseline EMD contract, such as peculiar support equipment and F35 Pit Test Support. FY14 and FY15 Primary Hardware Development reflects additional prime contractor costs to support F-35 and JMM BRU integration.

Funding for Lockheed Martin F-35 includes bay modifications, logistics efforts, and adapter hardware. It does not include OFP, UAI software coding, nor test missions which are represented in Support and Test sections, respectively. FY 2013 through FY 2015 includes funding for risk reduction efforts including F-35 internal bay modification efforts for SDB II, adapter and strut hardware and thermal compatability analysis. FY13 contract award delayed due to contractor negotiations. FY14 planned bay modifications with Lockheed Martin have been delayed until FY15.

Beginning FY11, funding for JMM BRU (BRU-61A/A) is included in PU3082.

Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development - JSF	C/CPFF	Lockheed Martin : Ft. Worth, TX	1.204	-	Nov 2013	4.910	Jan 2014	9.000	Jan 2015	-		9.000	44.762	59.876	59.876
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	17.410	-		-		-		-		-	-	17.410	-

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Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			18.614	-		4.910		9.000		-		9.000	44.762	77.286	-
Remarks Studies and Analyses include Navy activities to define CONOPS and better define Navy-specific and interoperability requirements, such as weapon data link advanced concept technology demonstration, seeker trade studies, and data link trade studies. Prior year Software Development efforts are in support of JSuW Joint Capability Technology Demonstrations (JCTD) incorporation of J.11 Message Set into Strike Weapons and Weapon Data Link Network efforts. Software Development for JSF is the UAI, OFP, and mission planning which supports the SDB II program. Contract award was scheduled for 2013, but delayed due to contractor negotiations. FY 2014 begins the requirements definition for UAI.															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation - JSuW/WDLN	Various	Various : Various	2.864	-		-		-		-		-	4.058	6.922	-
Operational Test & Evaluation - SDBII	WR	COMOPTEVFOR : China Lake, CA	1.010	-		-		-		-		-	16.018	17.028	-
Developmental Test & Evaluation - SDB II	C/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	-		-		-		-		-	45.939	45.939	45.939
Prior Year T&E cost no longer funded in the FYDP	Various	Various : Various	8.049	-		-		-		-		-	-	8.049	8.049
Subtotal			11.923	-		-		-		-		-	66.015	77.938	-
Remarks Developmental T&E (DT) and Operational T&E (OT) include all aspects of the weapon system - SDB II, JMM BRU, and F35 aircraft OFP. There will be no separate DT or OT period for JMM BRU. Operational test is scheduled for 2020.															
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Services	Various	Various : Various	1.396	0.312	Nov 2012	0.487	Nov 2013	0.505	Nov 2014	-		0.505	2.252	4.952	-

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Appropriation/Budget Activity 1319 / 5							R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>				Project (Number/Name) 3072 / <i>Small Diameter Bomb (SDB)</i>				

Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC WD : China Lake, CA	18.372	2.511	Nov 2012	2.767	Nov 2013	2.832	Nov 2014	-		2.832	19.298	45.780	-
Government Support	WR	Various : Various	8.298	0.170	Nov 2012	0.250	Nov 2013	0.750	Nov 2014	-		0.750	3.593	13.061	-
Program Management Support	WR	Various : Various	5.021	1.656	Nov 2012	1.801	Nov 2013	1.950	Nov 2014	-		1.950	13.385	23.813	-
Travel	MIPR	ASC200G : Eglin AFB, FL	1.749	0.032	Oct 2012	0.150	Oct 2013	0.150	Oct 2014	-		0.150	1.400	3.481	-
Subtotal			34.836	4.681		5.455		6.187		-		6.187	39.928	91.087	-

	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	108.283	16.577	16.565	28.916	-	28.916	281.457	451.798	-

Remarks

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PE 0604329N: *Small Diameter Bomb (SDB)*
Navy

R-1 Line #107

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 3072 / <i>Small Diameter Bomb (SDB)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Small Diameter Bomb II</i>				
Acquisition Milestones: Milestones: MS C	4	2015	4	2015
Systems Development: Hardware Development: Engineering Manufacturing and Development (EMD)	1	2013	4	2019
Test & Evaluation: Technical Evaluation: Developmental Test	2	2017	4	2018
Production Milestones: Contract Awards: Low Rate Initial Production (LRIP) I Contract Award (USAF Only) (Missile Procurement, AF)	4	2014	4	2014
Production Milestones: Contract Awards: LRIP II Contract Award (USAF Only) (Missile Procurement, AF)	2	2015	2	2015
Production Milestones: Contract Awards: LRIP III Contract Award (USAF Only) (Missile Procurement, AF)	2	2016	2	2016
Production Milestones: Contract Awards: LRIP IV Contract Award (USAF and DoN) (Missile Procurement, AF and WPN)	2	2017	2	2017
Production Milestones: Contract Awards: LRIP V Contract Award (USAF and DoN) (Missile Procurement, AF and WPN)	2	2018	2	2018
Production Milestones: Contract Awards: FRP Lot 6 Contract Award (USAF and DoN) (Missile Procurement, AF and WPN)	2	2019	2	2019
Deliveries: LRIP I Deliveries (USAF only 144 units)	4	2015	4	2016
Deliveries: LRIP II Deliveries (USAF only 250 units)	4	2016	4	2017
Deliveries: LRIP III Deliveries (USAF only 390 units)	4	2017	4	2018
Deliveries: LRIP IV Deliveries (USAF and DoN 460/90)	4	2018	4	2019
Deliveries: LRIP V Deliveries (USAF and DoN)	4	2019	4	2019

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604329N / Small Diameter Bomb (SDB)				Project (Number/Name) 3082 / JMM BRU			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3082: JMM BRU	6.418	12.306	8.360	13.933	-	13.933	11.769	8.836	4.862	3.634	1.461	71.579
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The Joint Miniature Munitions Bomb Rack Unit (JMM BRU) is an Air Force (AF) led ACAT III program. It is required for the Department of the Navy's (DoN) carriage of the SDB II weapon in the internal bay of the F-35B and F-35C and operation in the DoN environment. The SDB II Capability Development Document (CDD) states that it must be operable on the Miniature Munitions Smart Rack BRU-61/A. The BRU-61/A, currently in production in the AF, does not meet the needs to operate with SDB II within the F-35 internal bay in the DoN environment. The JMM BRU, designated BRU-61A/A, fills the capability gap required by the DoN. Efforts include development of a dual power capability to meet the SDB II operating environment on the F-35.												
SDB II and the JMM BRU integration were moved from F-35 Block 3 to Block 4. Budgets and schedules have been modified to meet the F-35 Block 4 schedule.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Joint Miniature Munitions Bomb Rack Unit (JMM BRU) Government Support Articles: Description: Funding provided for the SDB II Carriage System support and integration into Navy environments. FY 2013 Accomplishments: Completed source selection and awarded Technology Development (TD) contract. FY 2014 Plans: Continue with TD Phase. Full manning of JMM BRU government team and conduct DoN logistics efforts for support equipment, specific to JMM BRU. FY 2015 Plans: Complete TD phase and enter Engineering Management and Development (EMD) phase with prime contractor. Full manning of JMM BRU government team and conduct DoN logistics efforts for support equipment specific to JMM BRU.									2.606	3.586	4.112	
									-	-	-	
Title: Joint Miniature Munitions Bomb Rack (JMM BRU) Prime Contractor Articles: Description: Prime Contractor Support of JMM BRU (BRU-61A/A) TD/EMD contract. FY 2013 Accomplishments:									9.700 2.000	4.774 5.000	9.821 -	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy							Date: March 2014				
Appropriation/Budget Activity 1319 / 5			R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>			Project (Number/Name) 3082 / <i>JMM BRU</i>					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
Completed source selection of JMM BRU prime contractor and the TD contract was awarded June 2013. Conducted Integrated Baseline Review (IBR). FY 2014 Plans: Continue TD contract. JMM BRU Prime contractor fully manned to complete TD phase, including building two JMM BRU prototypes, four Inertial Measurement Vehicle (IMV) BRUs, and three JMM BRU simulators in support of SDB II/JMM BRU/JSF integration efforts. FY 2015 Plans: Execute EMD contract. JMM BRU prime contractor fully manned to complete EMD phase.							FY 2013	FY 2014	FY 2015		
Accomplishments/Planned Programs Subtotals							12.306	8.360	13.933		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• APN/0720: <i>War Consumables</i>	-	-	-	-	-	-	-	13.617	18.117	220.951	252.685
Remarks											
D. Acquisition Strategy The JMM BRU is an Air Force led ACAT III program. Industry day was held 4Q FY2010, acquisition strategy approved 1Q FY2011 and Material Development Decision (MDD) 2Q FY 2011. Competitive source selection conducted with contract award 3Q FY2013.											
E. Performance Metrics Earned value management is being implemented on the TD/EMD contract for the technology demonstration contract.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604329N / Small Diameter Bomb (SDB)				Project (Number/Name) 3082 / JMM BRU					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Joint Miniature Munitions Bomb Rack Unit (JMM BRU)	C/FPIF	Raytheon Technical Services Company LLC : Indianapolis, IN	0.000	9.700	Jun 2013	4.774	Apr 2014	9.821	Apr 2015	-		9.821	9.881	34.176	34.176
Subtotal			0.000	9.700		4.774		9.821		-		9.821	9.881	34.176	34.176
Remarks															
Funding provided to Raytheon Technical Services Company LLC for development of a JMM BRU SDB II carriage system which satisfies DoN environments. JMM BRU will carry four SDB II's and will be capable of being used both internally and externally.															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Test	TBD	TBD : TBD	0.000	-		-		-		-		-	0.436	0.436	-
Subtotal			0.000	-		-		-		-		-	0.436	0.436	-
Remarks															
DT and OT efforts are budgeted for in the SDB II project unit as DT and OT will be for total weapon system. There will be no dedicated JMM BRU DT and OT. Funding in cost to complete will fund captive carry testing in FY17.															
Flight Test conducted will be fit checks on F-35B and F-35C with the new JMM BRU.															
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC WD : China Lake, CA	2.002	1.939	Nov 2012	2.665	Nov 2013	3.066	Nov 2014	-		3.066	12.000	21.672	-
Government Support	WR	Various : Various	4.201	0.511	Nov 2012	0.719	Nov 2013	0.842	Nov 2014	-		0.842	14.605	20.878	-
Travel	MIPR	ASC200G : Eglin AFB, FL	0.090	0.031	Nov 2012	0.075	Oct 2013	0.075	Oct 2014	-		0.075	1.250	1.521	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>						Project (Number/Name) 3082 / <i>JMM BRU</i>			

Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Services	MIPR	AFLCMC : Eglin AFB, FL	0.125	0.125	Nov 2012	0.127	Dec 2013	0.129	Dec 2014	-		0.129	0.750	1.256	-
Subtotal			6.418	2.606		3.586		4.112		-		4.112	28.605	45.327	-

	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	6.418	12.306	8.360	13.933	-	13.933	38.922	79.939	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

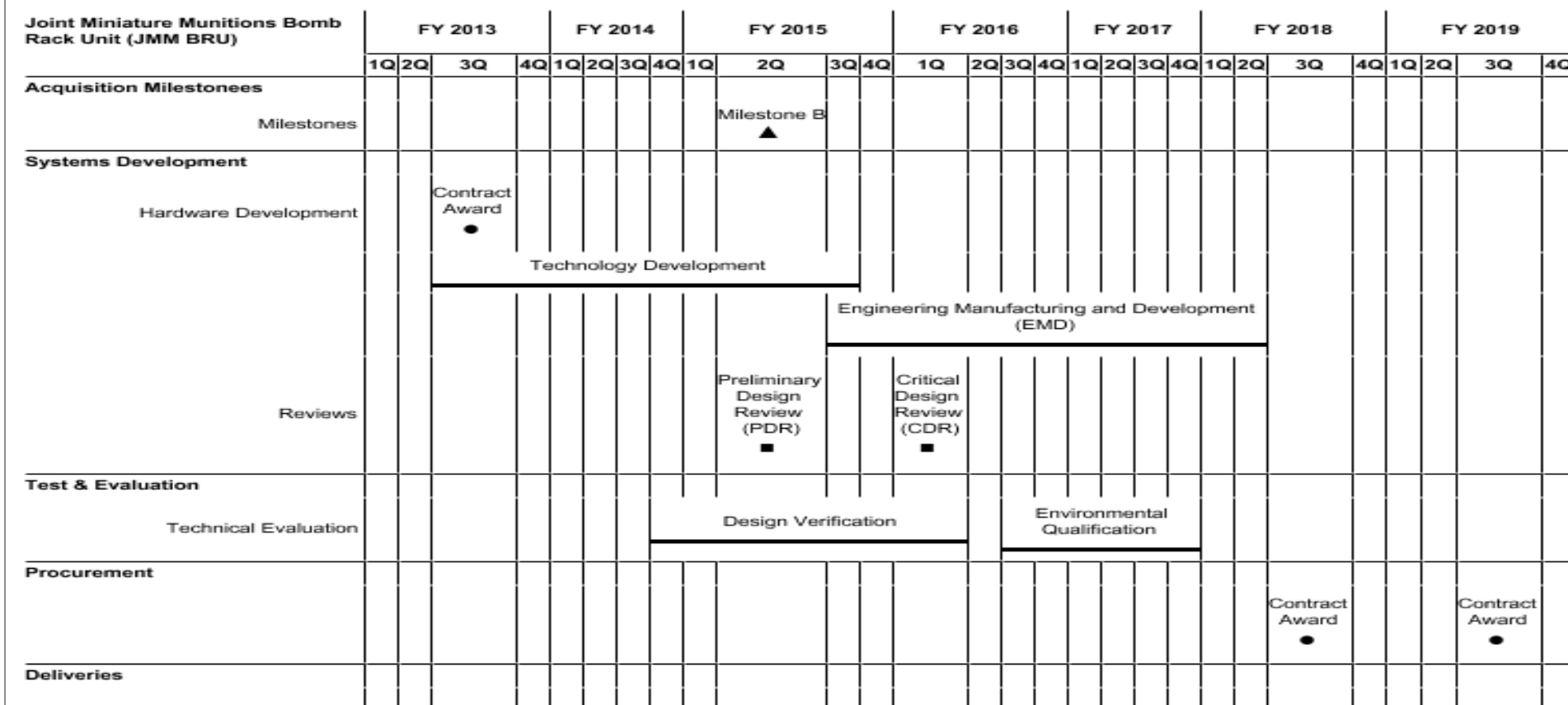
1319 / 5

R-1 Program Element (Number/Name)

PE 0604329N / Small Diameter Bomb
(SDB)

Project (Number/Name)

3082 / JMM BRU



2015PB - 0604329N - 3082

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604329N / <i>Small Diameter Bomb (SDB)</i>	Project (Number/Name) 3082 / <i>JMM BRU</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Joint Miniature Munitions Bomb Rack Unit (JMM BRU)</i>				
Acquisition Milestonees: Milestones: Milestone B	2	2015	2	2015
Systems Development: Hardware Development: Technology Development Contract Award	3	2013	3	2013
Systems Development: Hardware Development: Technology Development	3	2013	3	2015
Systems Development: Hardware Development: Engineering Manufacturing and Development (EMD)	3	2015	2	2018
Systems Development: Reviews: Preliminary Design Review (PDR)	2	2015	2	2015
Systems Development: Reviews: Critical Design Review (CDR)	1	2016	1	2016
Test & Evaluation: Technical Evaluation: Design Verification	4	2014	1	2016
Test & Evaluation: Technical Evaluation: Environmental Qualification	3	2016	4	2017
Procurement: LRIP 1 Contract Award	3	2018	3	2018
Procurement: LRIP 2 Contract Award	3	2019	3	2019
Deliveries: LRIP 1 Deliveries	4	2019	4	2019