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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Navy **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	628.936	41.591	52.211	19.744	-	19.744	12.032	10.607	9.943	10.152	0.000	785.216
1663: <i>SDB II F-18 Integration</i>	205.027	3.162	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	208.189
3072: <i>Small Diameter Bomb (SDB)</i>	423.909	38.429	52.211	19.744	-	19.744	12.032	10.607	9.943	10.152	0.000	577.027

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** 439

**A. Mission Description and Budget Item Justification**

Small Diameter Bomb Increment II (SDB II) is an ACAT 1C joint Department of the Air Force (USAF) and Department of the Navy (DON) program, with the USAF as the lead service. The SDB II increases joint lethality in contested environments. The SDB can strike a diverse set of targets inside an adversary's air and missile defense networks to destroy mobile platforms through the weather. With increased loadout, range, and munitions effect the network enabled SDBII enhances close combat lethality in complex terrain and provides a net-centric operations capability. The BRU-61 is the Universal Armament Interface (UAI) pneumatic rack used to carry four SDB II's at one time. The threshold aircraft for the USAF is the F-15E and for the DON are the F-35B and F-35C. F/A-18 E/F is an objective platform for the DoN.

The DON has adjusted the platform integration strategy through the inclusion of F/A-18 E/F using BRU-55 to deliver the capability to the warfighter aligned to adjusted F-35 program's schedule.

**BUDGET ACTIVITY JUSTIFICATION:** 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.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Navy	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	42.881	52.211	19.890	-	19.890
Current President's Budget	41.591	52.211	19.744	-	19.744
Total Adjustments	-1.290	0.000	-0.146	-	-0.146
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.290	0.000			
• Program Adjustments	0.000	0.000	-0.140	-	-0.140
• Rate/Misc Adjustments	0.000	0.000	-0.006	-	-0.006

**Change Summary Explanation**

FY25 reduced by \$0.146M for Other Miscellaneous and Program reductions.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Navy **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 1663 / <i>SDB II F-18 Integration</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
1663: <i>SDB II F-18 Integration</i>	205.027	3.162	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	208.189
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Due to continuing delays in the F-35 program, the DON has adjusted the platform integration strategy by inclusion of Small Diameter Bomb II (SDB II) and BRU-55 on F/A-18 E/F to deliver the capability to the warfighter in light of continued F-35 program delays. This program funds the aircraft software, integration and testing required to successfully integrate SDB II and BRU-55 on the F/A-18 E/F to meet a FY 2024 Initial Operational Capability (IOC). In order to meet the IOC, testing will be limited to the F/A-18 E/F midboard stations and the flight envelope will be limited. Following limited envelope and midboard station testing, the program will test full envelope SDB II and BRU-55 on inboard stations and the SDB II and BRU-61 type II carriage system on midboard and inboard stations.

FY 2023 is the last year for funding this PU and Early Operational Capability (EOC) was declared October 2023, with IOC scheduled for March 2024.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> F/A-18 Integration	3.162	0.000	0.000	0.000	0.000
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> N/A					
<b>FY 2025 Base Plans:</b> N/A					
<b>FY 2025 OCO Plans:</b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	3.162	0.000	0.000	0.000	0.000

**C. Other Program Funding Summary (\$ in Millions)**

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• WPN/2238: <i>Small Diameter Bomb II</i>	100.684	65.863	76.108	-	76.108	86.740	86.517	93.261	95.233	811.498	1,738.883

**Remarks**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB )</i>	<b>Project (Number/Name)</b> 1663 / <i>SDB II F-18 Integration</i>

**D. Acquisition Strategy**

Integration of SDB II and the BRU-55 is software driven by ground and flight test requirements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 5				PE 0604329N / Small Diameter Bomb (SDB )				1663 / SDB II F-18 Integration							
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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	71.345	1.235	Nov 2022	0.000		0.000		-		0.000	0.000	72.580	72.580
SDB II Prime Contractor Support	SS/IDIQ	Raytheon Missile Systems : Tuscon, AZ	26.935	1.230	Feb 2023	0.000		0.000		-		0.000	0.000	28.165	28.165
SDB II Integration Support	WR	NAWC AD : Patuxent River, MD	11.143	0.322	Nov 2022	0.000		0.000		-		0.000	0.000	11.465	-
SDB II Software Support	WR	NAWC WD : China Lake, CA	51.762	0.261	Nov 2022	0.000		0.000		-		0.000	0.000	52.023	-
BRU-61 Prime Contractor Support	SS/IDIQ	Boeing : St. Charles, MO	0.739	0.000	Nov 2022	0.000		0.000		-		0.000	0.000	0.739	0.739
BRU-77 Prime Contractor Support	Various	Various : Various	11.172	0.000		0.000		0.000		-		0.000	0.000	11.172	11.172
<b>Subtotal</b>			173.096	3.048		0.000		0.000		-		0.000	0.000	176.144	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	MIPR	Various : Various	9.735	0.000		0.000		0.000		-		0.000	0.000	9.735	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	VX-23 : Patuxent River, MD	15.274	0.000		0.000		0.000		-		0.000	0.000	15.274	-
Operational Test & Evaluation (OT&E)	WR	VX-9 : China Lake, CA	6.922	0.114	Nov 2022	0.000		0.000		-		0.000	0.000	7.036	-
<b>Subtotal</b>			31.931	0.114		0.000		0.000		-		0.000	0.000	32.045	N/A



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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

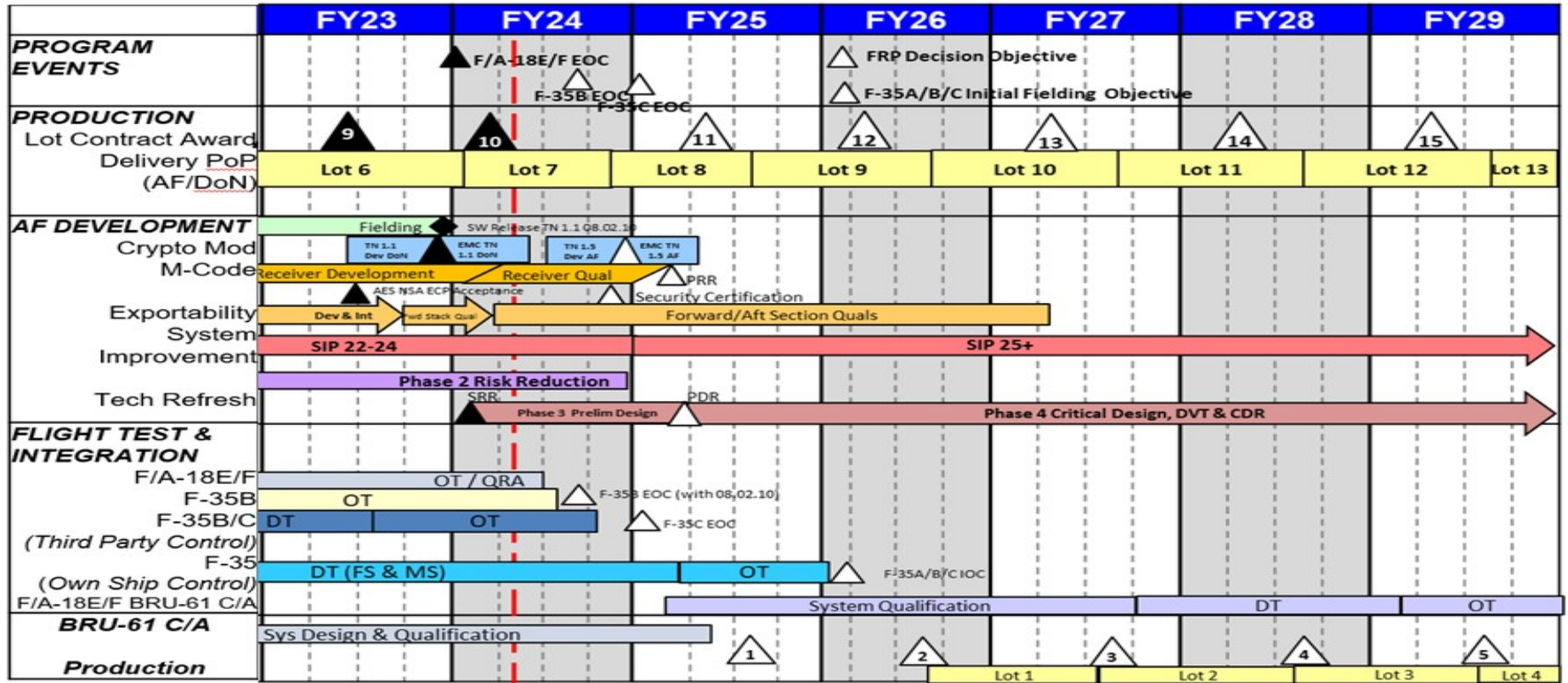
Date: March 2024

Appropriation/Budget Activity  
1319 / 5

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

Project (Number/Name)  
1663 / SDB II F-18 Integration

SDB II Schedule



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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 1663 / <i>SDB II F-18 Integration</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>F/A-18 E/F SDB II Integration</i></b>				
Acquisition Milestones: EOC	1	2024	1	2024
Test & Evaluation: Operational Test	1	2023	2	2024

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Navy **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
3072: <i>Small Diameter Bomb (SDB)</i>	423.909	38.429	52.211	19.744	-	19.744	12.032	10.607	9.943	10.152	0.000	577.027
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**Project MDAP/MAIS Code:** 439

**A. Mission Description and Budget Item Justification**

Small Diameter Bomb Increment II (SDB II) is an ACAT 1C joint Department of the Air Force (USAF) and Department of the Navy (DON) program, with the USAF as the lead service. The SDB II increases joint lethality in contested environments. The SDB can strike a diverse set of targets inside an adversary's air and missile defense networks to destroy mobile platforms through the weather. With increased loadout, range, and munitions effect the network enabled SDBII enhances close combat lethality in complex terrain and provides a net-centric operations capability. The BRU-61 is the Universal Armament Interface (UAI) rack used to carry four SDB II's at one time. The threshold aircraft for the USAF is the F-15E and for the DON are the F-35B and F-35C.

This Project Unit includes all funding associated with integration on the DoN threshold platforms, F-35B and F-35C. This includes the integration of the SDB II weapon with BRU-61 rack on the F-35B&C, modification to the USAF BRU-61 four-place bomb rack for F-35 and DoN shipboard environments, the integration of the Universal Armament Interface (UAI) software into the F-35 Operational Flight Program (OFP), test asset procurement, flight testing, logistics and associated software updates for the SDB II weapon system. Internal carriage is being integrated and tested to support F-35 Initial Operational Capability (IOC). External carriage will begin testing after internal carriage has been fielded.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> SDB II Weapon Support	28.429	35.717	13.979	0.000	13.979
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> Funding provides for SDB II Engineering, Manufacturing and Development (EMD) efforts including weapon vendor support (Raytheon Missile Systems - RMS), test assets, and government support. Test articles were procured in prior years as part of a joint buy with the Air Force for a better priced quantity buy.					
<b>FY 2024 Plans:</b> FY 2024 activities include completion of F-35B/C Post Launch control Mission Systems flight testing, additional Rate Capture flight testing, and Operational Test. Complete Developmental Testing of F-35 with Own-ship control. Continue development of the Navy variant BRU-61C/A four-place rack.					
<b>FY 2025 Base Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Conduct and complete Operational Test of F-35 with Own-ship control. Complete BRU-61 C/A System Qualification. Begin integration of SDB II and BRU-61C/A on F/A-18E/F. Begin external carriage of SDB II on F-35B/C.  <b>FY 2025 OCO Plans:</b> N/A  <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$21.738M from FY 2024 to FY 2025 is due to the completion of Operational Test of F-35 Internal Carriage Integration effort.					
<b>Title:</b> JSF Integration  <b>Description:</b> 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.  <b>FY 2024 Plans:</b> FY 2024 activities include completion of F-35B/C Post Launch control Mission Systems flight testing as well as completion of additional Rate Capture flight testing.  <b>FY 2025 Base Plans:</b> Conduct and complete Operational Test of F-35 with Own-ship control.  <b>FY 2025 OCO Plans:</b> N/A  <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$10.729M from FY 2024 to FY 2025 is a result of the completion of F-35 Developmental Test in FY 2024.	10.000	16.494	5.765	0.000	5.765
<b>Articles:</b>	-	-	-	-	-
<b>Accomplishments/Planned Programs Subtotals</b>	38.429	52.211	19.744	0.000	19.744

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• RDTE,AF/0207327F: <i>Small Diameter Bomb</i>	32.713	37.518	29.850	-	29.850	24.868	25.367	25.764	26.274	Continuing	Continuing

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2025</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• MPAF/0207327F: <i>Small Diameter Bomb</i>	279.006	291.553	327.676	-	327.676	181.558	165.943	132.917	134.470	Continuing	Continuing
• WPN/2238: <i>Small Diameter Bomb II</i>	100.684	65.863	76.108	-	76.108	86.740	86.517	93.261	95.233	811.498	1,738.883

**Remarks**

**D. Acquisition Strategy**

The SDB II acquisition strategy was 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 Engineering, Manufacturing and Development (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. Milestone C was approved 4 June 2015, with Lot 1 (Air Force only) awarded 12 June 2015.

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.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB )</i>	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>
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<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary Hardware Development - SDB II EMD	C/FPIF	Raytheon : Tucson, AZ	126.855	5.000	Mar 2023	9.394	Dec 2023	5.006	Dec 2024	-		5.006	18.211	164.466	164.885
Aircraft Integration - JSF	C/CPFF	Lockheed Martin : Fort Worth, TX	42.015	4.228	Jan 2023	8.837	Dec 2023	4.755	Dec 2024	-		4.755	2.675	62.510	62.510
Hardware Development - BRU-61	C/CPFF	Boeing : St. Charles, MO	26.297	14.385	Jan 2023	14.976	Oct 2023	5.184	Nov 2024	-		5.184	6.000	66.842	66.842
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	11.238	0.000		0.000		0.000		-		0.000	0.000	11.238	-
<b>Subtotal</b>			206.405	23.613		33.207		14.945		-		14.945	26.886	305.056	N/A

**Remarks**  
 Primary Hardware Development to Raytheon in Tucson, AZ reflects the SDB II prime contractor and includes test assets and contractor costs to support F-35 integration.  
 Funding for Lockheed Martin F-35 includes Associate Contractor Agreements (ACA), bay modifications, logistics efforts, and adapter hardware. It does not include Operational Flight Plan (OFF), Universal Armament Interface (UAI) software coding, nor test missions which are represented in Support and Test sections, respectively.  
 Funding to Boeing for BRU-61B/A modifications required to carry SDB II on Navy and Marine Corps aircraft and environments (resulting in a BRU-61C/A). Prior year efforts were to provide data and support to the BRU-77 contractor.

<b>Support (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Software Development - JSF	C/CPFF	Lockheed Martin : Ft. Worth, TX	49.226	1.215	Jan 2023	3.067	Dec 2023	0.000		-		0.000	0.000	53.508	53.508
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	17.410	0.000		0.000		0.000		-		0.000	0.000	17.410	-
<b>Subtotal</b>			66.636	1.215		3.067		0.000		-		0.000	0.000	70.918	N/A

**Remarks**  
 Software Development for F-35 is the UAI, OFF, and mission planning which supports the SDB II program. 30P07 will provide a limited release envelope on F-35B. 30P08 OFF will provide a full release envelope on both F-35B and F-35C.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>
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<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWC AD : Patuxent River, MD	25.150	1.950	Nov 2022	4.833	Nov 2023	0.000		-		0.000	5.400	37.333	-
Operational Test & Evaluation (OT&E)	WR	NAWC WD : China Lake, CA	4.557	1.040	Jul 2023	1.169	Nov 2023	2.000	Nov 2024	-		2.000	3.322	12.088	-
Developmental Test & Evaluation (DT&E)	WR	NAWC WD : China Lake, CA	8.412	1.603	Nov 2022	2.974	Nov 2023	0.000		-		0.000	1.800	14.789	-
Developmental Test & Evaluation (DT&E)	C/CPFF	Lockheed Martin : Ft. Worth, TX	12.148	2.755	Mar 2023	3.896	Dec 2023	0.000		-		0.000	0.000	18.799	18.799
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	8.049	0.000		0.000		0.000		-		0.000	0.000	8.049	-
<b>Subtotal</b>			58.316	7.348		12.872		2.000		-		2.000	10.522	91.058	N/A

**Remarks**  
 Developmental Test (DT) and Operational Test (OT) include all aspects of the weapon system - SDB II, BRU-61, and F-35B and F-35C aircraft OFP with third party post-launch control to include Joint Terminal Attack Controller (JTAC) or other Link 16 capable aircraft. BRU-61B/A is the current version being used in flight testing to support the F-35B and F-35C Early Operational Capabilities (EOC).  
  
 Operational test for F-35B in FY 2023 is to support FY 2024 F-35B EOC using BRU-61B/A. Funding in outyears is to support OT of SDB II and F-35B and F-35C with BRU-61B/A for F-35 post-launch control and to execute SDB II / BRU-61 C/A external carriage integration on F-35B and F-35C. Initial Operational Capability (IOC) for SDB II Internal carriage is currently scheduled for FY 2026.

<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Contractor Services	Various	Various : Various	6.401	3.822	Nov 2022	0.266	Nov 2023	1.521	Nov 2024	-		1.521	0.550	12.560	-
Government Support	WR	NAWC WD : China Lake, CA	53.173	1.643	Nov 2022	1.666	Nov 2023	0.748	Nov 2024	-		0.748	1.355	58.585	-
Government Support	WR	Various : Various	30.448	0.758	Nov 2022	1.103	Nov 2023	0.500	Nov 2024	-		0.500	3.331	36.140	-
Travel	WR	NAVAIR : Patuxent River, MD	2.530	0.030	Oct 2022	0.030	Oct 2023	0.030	Oct 2024	-		0.030	0.090	2.710	-
<b>Subtotal</b>			92.552	6.253		3.065		2.799		-		2.799	5.326	109.995	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>
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<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

**Remarks**  
FY 2025 Contractor Services growth required for engineering support of SDB II / BRU-61 C/A / F-18 E/F integration.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	423.909	38.429	52.211	19.744	-	19.744	42.734	577.027	N/A

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

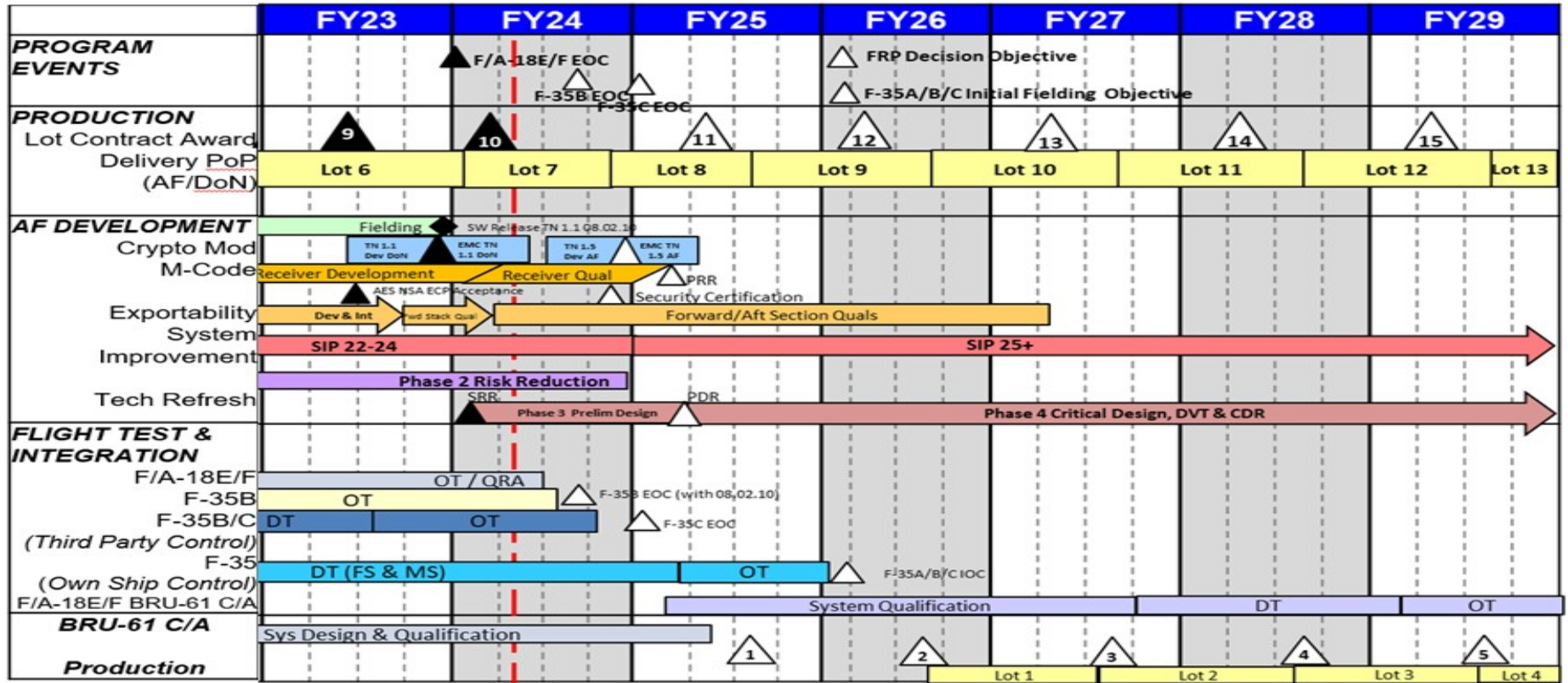
Date: March 2024

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)

SDB II Schedule



Time Now

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date: March 2024</b>
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>Small Diameter Bomb II</i></b>				
Acquisition Milestones: Milestones: F-35B EOC	3	2024	3	2024
Acquisition Milestones: Milestones: F-35C EOC	1	2025	1	2025
Acquisition Milestones: Milestones: F-35 B/C IOC	1	2026	1	2026
Test & Evaluation: Technical Evaluation: F-35B OT	1	2023	3	2024
Test & Evaluation: Technical Evaluation: F-35B/C DT (Third Party Control)	1	2023	3	2023
Test & Evaluation: Technical Evaluation: F-35B/C OT (Third Party Control)	3	2023	4	2024
Test & Evaluation: Technical Evaluation: F-35B/C DT (Own Ship Control)	1	2023	1	2025
Test & Evaluation: Technical Evaluation: F-35B/C OT (Own Ship Control)	1	2025	1	2026
Test & Evaluation: Technical Evaluation: F-18E/F BRU-61C/A System Qualification	1	2025	4	2027
Test & Evaluation: Technical Evaluation: F-18E/F BRU-61C/A DT	4	2027	1	2029
Test & Evaluation: Technical Evaluation: F-18E/F BRU-61C/A OT	1	2029	4	2029
BRU-61: System Design and Qualification: System Design and Qualification	1	2023	2	2025
BRU-61: BRU-61 Production: Lot 1 Award	3	2025	3	2025
BRU-61: BRU-61 Production: Lot 2 Award	3	2026	3	2026
BRU-61: BRU-61 Production: Lot 3 Award	3	2027	3	2027
BRU-61: BRU-61 Production: Lot 4 Award	3	2028	3	2028
BRU-61: BRU-61 Production: Lot 5 Award	3	2029	3	2029
BRU-61: BRU-61 Deliveries: Lot 1 Del	3	2026	3	2026
BRU-61: BRU-61 Deliveries: Lot 2 Del	3	2027	3	2027
BRU-61: BRU-61 Deliveries: Lot 3 Del	3	2028	3	2028
BRU-61: BRU-61 Deliveries: Lot 4 Del	3	2029	3	2029

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**Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604329N / <i>Small Diameter Bomb (SDB)</i> )	<b>Project (Number/Name)</b> 3072 / <i>Small Diameter Bomb (SDB)</i>
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<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
SDB II Production Milestones: SDB II Contract Awards: Lot 9 Award	2	2023	2	2023
SDB II Production Milestones: SDB II Contract Awards: Lot 10 Award	1	2024	1	2024
SDB II Production Milestones: SDB II Contract Awards: Lot 11 Award	2	2025	2	2025
SDB II Production Milestones: SDB II Contract Awards: Lot 12 Award	2	2026	2	2026
SDB II Production Milestones: SDB II Contract Awards: Lot 13 Award	2	2027	2	2027
SDB II Production Milestones: SDB II Contract Awards: Lot 14 Award	2	2028	2	2028
SDB II Production Milestones: SDB II Contract Awards: Lot 15 Award	2	2029	2	2029
SDB II Deliveries: Lot 6 Del	1	2023	1	2024
SDB II Deliveries: Lot 7 Del	1	2024	4	2024
SDB II Deliveries: Lot 8 Del	4	2024	3	2025
SDB II Deliveries: Lot 9 Del	3	2025	3	2026
SDB II Deliveries: Lot 10 Del	3	2026	3	2027
SDB II Deliveries: Lot 11 Del	3	2027	3	2028
SDB II Deliveries: Lot 12 Del	3	2028	3	2029
SDB II Deliveries: Lot 13 Del	3	2029	4	2029