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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 United States Special Operations Command **Date:** March 2014

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 1160421BB / Special Operations CV-22 Development
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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	523.800	2.076	-	-	-	-	-	-	-	-	-	525.876
SF200: SO CV-22	523.800	2.076	-	-	-	-	-	-	-	-	-	525.876

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

Note

Beginning in FY2014, this Program Element has been consolidated into SOCOM Program Element 1160403BB, SO Aviation Systems.

A. Mission Description and Budget Item Justification

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical medium lift, multi-mission aircraft. The CV-22 provides long range, high speed, infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. This is a capability not currently provided by existing aircraft. The V-22 Joint Program Office is developing improved capabilities in block increments. The funding in this project supports these block increments as well as associated flight test support.

Block 20: Design, integrate, test, and validate enhancements required to meet SOF-unique mission requirements and correct deficiencies identified in previous testing. This incremental development will provide improved capabilities to include, but not limited to, more robust performance in situational awareness, weapons, avionics, survivability, maneuverability, mission deployment and improved reliability and maintainability of the CV platform.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	1.822	-	-	-	-
Current President's Budget	2.076	-	-	-	-
Total Adjustments	0.254	-	-	-	-
• Congressional General Reductions	-0.089	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-0.003	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.403	-			
• SBIR/STTR Transfer	-0.057	-			

Change Summary Explanation

Funding:

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<p>FY 2013: Net increase of \$0.254 million is due to sequestration reductions (-\$0.089 million), congressional rescission (-\$0.003 million), a reprogramming to support Specialized Automated Mission Suite-Enhanced Situational Awareness Non-recurring engineering (\$0.403 million), and a transfer of funds to Small Business Innovative Research (-\$0.057 million).</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2015 United States Special Operations Command										Date: March 2014		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160421BB / <i>Special Operations CV-22 Development</i>				Project (Number/Name) SF200 / SO CV-22			
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
SF200: SO CV-22	523.800	2.076	-	-	-	-	-	-	-	-	-	525.876
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification: The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical medium lift, multi-mission aircraft. The CV-22 will provide long range, high speed infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. This is a capability not currently provided by existing aircraft. The V-22 Joint Program Office is developing improved capabilities in block increments supported with rapid prototyping. The funding in this project supports these block increments as well as associated flight test support. The Block 10 increment completed in FY 2007, and the Block 20 increment started in FY 2008.

Block 20: Design, integrate, test, and validate enhancements required to meet SOF-unique mission requirements and correct deficiencies identified in previous testing. This incremental development will provide improved capabilities to include, but not limited to, robust performance in situational awareness, weapons, avionics, survivability, maneuverability, mission deployment, improved reliability and maintainability of the CV platform.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2013	FY 2014	FY 2015
Title: CV-22 Aircraft Block 20	2.076	-	-
FY 2013 Accomplishments: Continued Enhanced Situational Awareness development providing enhanced, correlated, fusion and display, threat response, training and simulation capabilities.			
Accomplishments/Planned Programs Subtotals	2.076	-	-

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
• PROC1: CV-22 SOF Modification	126.021	98.927	25.578	-	25.578	19.703	16.123	13.226	13.480	-	1,696.207
• PROC/V022A0: Aircraft Procurement CV-22 (MYP)	423.475	230.798	-	-	-	-	-	-	-	-	4,272.414
• RDT&E1/0401318F: RDT&E, USAF	28.027	30.438	25.596	-	25.596	16.524	14.308	14.566	-	131.500	613.166
• RDT&E/0604262N: V-22 RDT&E, N BA-05	54.436	30.350	60.421	-	60.421	54.720	52.202	53.063	-	273.513	9,363.505

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C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2015</u>	<u>FY 2015</u>	<u>FY 2015</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Complete</u>	<u>Total Cost</u>
Remarks											
D. Acquisition Strategy											
<p>The CV-22 program is managed by the Navy V-22 Joint Program Office (NAVAIRSYSCOM PMA-275). This ensures that the CV-22 changes are incorporated into the ongoing V-22 production line with minimum impact. Funding for the baseline CV-22 Engineering Manufacturing and Development, known as Block 0, is embedded in the Navy budget. Block 10 RDT&E funding was sent from USSOCOM to NAVAIRSYSCOM to be placed on contract with the V-22 prime contractor. Block 10 capability is required for compliance with the Joint Operational Requirements Document and associated Milestone III Capabilities Production Document. Block 20 and subsequent block upgrades are planned to follow the same acquisition strategy, with NAVAIRSYSCOM PMA-275 ensuring the integration of SOF-unique systems with the ongoing basic vehicle improvements supporting both the CV-22 and the Marine Corps MV-22.</p>											
E. Performance Metrics											
N/A											

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 United States Special Operations Command										Date: March 2014			
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	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
CV-22																												
CV-22 Block 20 Development/Test																												
CV-22 Aircraft Deliveries (PROC)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 United States Special Operations Command			Date: March 2014
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CV-22				
CV-22 Block 20 Development/Test	1	2013	4	2015
CV-22 Aircraft Deliveries (PROC)	1	2013	4	2016