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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0401310F / <i>C-32 Executive Transport Recapitalization</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	5.989	9.930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
654019: <i>C-32 Executive Transport Recap</i>	-	5.989	9.930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Note: FY18 Prior Year Funding of \$2.918M was executed in PE 0401310F, BPAC 654019, BA05

The C-32A mission is to provide Executive Airlift transportation for the First Lady, Vice President, Cabinet, Congress, and foreign Heads of State. The C-32A also serves as the backup to the VC-25 Presidential support aircraft.

The C-32 Executive Transport Recapitalization program will replace the aging C-32A aircraft fleet. The Air Force and Navy are engaged in an effort to recapitalize the National Military Command System fixed-wing aircraft and large capacity Executive Airlift fleets. The aircraft consist of the Air Force E-4B National Airborne Operations Center (NAOC), Air Force C-32A Executive Airlift (EA), and the Navy E-6B Airborne Command Post (ABNCP) and Take Charge and Move Out (TACAMO) aircraft. These platforms are aging and increasingly difficult to support. The combined effort will explore the realignment of missions among platforms and examine the potential benefits of acquiring common airframes without sacrificing operational effectiveness or increasing overall costs. This is being conducted through the NEAT (N=NAOC, E=EA, A= ABNCP, T=TACAMO) Analysis of Alternatives (AoA).

This budget supports funding to complete a joint service AoA in collaboration with the E-4B and E-6B Recapitalization programs to explore commonality of the airframe and interoperability of the mission equipment. Funding continues establishment of the Program Office and matures the development of the acquisition strategy. Funding also supports cost/performance trade studies and risk reduction activities.

Funds may be used to address emerging and short-notice Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver C-32A weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

This program is currently programmed in Budget Activity (BA) 5. However, the program is in the Materiel Solution Analysis Phase conducting an AoA. Post AoA Materiel Development Decisions (MDD), to determine acquisition milestone entry point for one or more follow-on Acquisitions, is projected in 2Q FY20. The program is Pre-Milestone B and is not conducting Engineering and Manufacturing Development (EMD). [Note: The following statement is system generated due to being in BA5 and cannot be omitted at this time.]

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This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

B. Program Change Summary (\$ in Millions)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	7.943	9.930	9.926	0.000	9.926
Current President's Budget	5.989	9.930	0.000	0.000	0.000
Total Adjustments	-1.954	0.000	-9.926	0.000	-9.926
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-1.954	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-9.926	0.000	-9.926

Change Summary Explanation

FY 2019 funding reduced to account for the availability of prior year execution balances.

In FY 2021, PE 0401310F, C-32 Executive Transport Recapitalization, Project 654019, C-32 Executive Transport Recap efforts were transferred to PE 0401310F, C-32 Executive Transport Recapitalization, Project 640009, in order to reflect the appropriate budget activity for these funds.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
Title: C-32 Executive Transport Recapitalization Analysis of Alternatives	4.000	7.000	0.000
Description: Continue AoA activities to assess potential materiel solutions and inform the Material Development Decision (MDD) to mitigate current capability gaps.			
FY 2020 Plans: Funds in FY20 completed the AoA, supported the Material Development Decision (MDD) and began material solution analysis activities.			
FY 2021 Plans: N/A			
FY 2020 to FY 2021 Increase/Decrease Statement:			

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
Funding was transferred to BA04 within PE 0401310F.				
Title: C-32 Executive Transport Recapitalization Program Office Standup		1.989	2.930	0.000
Description: Continue standup of Program Office to support AoA closeout and early acquisition activities.				
FY 2020 Plans: Funds in FY20 supported the Material Development Decision (MDD), Program Office support tasks, A&AS costs, travel and PMA				
FY 2021 Plans: N/A				
FY 2020 to FY 2021 Increase/Decrease Statement: Funding was transferred to BA04 within PE 0401310F.				
Accomplishments/Planned Programs Subtotals		5.989	9.930	0.000
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy The C-32A Executive Transport Recapitalization effort acquisition strategy will be fully developed after the JROC mission realignment decision and the determination of a Material Development Decision (MDD).				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0401310F / C-32 Executive Transport Recapitalization	Project (Number/Name) 654019 / C-32 Executive Transport Recap
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Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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			
Product Development	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
C-32 Executive Transport Recapitalization Analysis of Alternatives	MIPR	ASC/XRX : WPAFB, OH	-	4.000	Mar 2019	7.000	Mar 2020	-		-		-	Continuing	Continuing	-
Subtotal			-	4.000		7.000		-		-		-	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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			
Management Services	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
C-32 Executive Transport Recapitalization: PMA Contractor Services and PMA Other Government Costs	Various	AFLCMC/WV : Dayton, OH	-	1.989	Jan 2019	2.930	Jan 2020	-		-		-	Continuing	Continuing	-
Subtotal			-	1.989		2.930		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		-	5.989	9.930	-	-	-	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0401310F / C-32 Executive Transport Recapitalization	Project (Number/Name) 654019 / C-32 Executive Transport Recap

	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
C-32 Recap																												
Program Office Standup	██████████																											
AoA Study Planning	██████																											
RFI Event #2	██████																											
Mission Realignment Review		██████████																										
AoA	██████████																											
Acquisition Strategy Development					██████████																							
Post AoA MDD							██████																					
Staff Report							██████																					
JROC Mission Realignment Report							██████																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Air Force		Date: February 2020
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0401310F / C-32 Executive Transport Recapitalization	Project (Number/Name) 654019 / C-32 Executive Transport Recap

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-32 Recap				
Program Office Standup	1	2019	4	2020
AoA Study Planning	1	2019	2	2019
RFI Event #2	1	2019	2	2019
Mission Realignment Review	2	2019	3	2020
AoA	1	2019	3	2020
Acquisition Strategy Development	2	2020	4	2020
Post AoA MDD	3	2020	4	2020
Staff Report	3	2020	4	2020
JROC Mission Realignment Report	3	2020	4	2020