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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force **Date:** May 2021

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	0.000	6.197	0.000	0.000	0.000	-	-	-	-	-	-
640009: <i>C-32 Executive Transport Recap</i>	-	0.000	6.197	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

NOTE: FY18-20 Prior Years Funding of \$7.762M was executed in Program Element 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 was intended to replace the aging C-32A aircraft fleet. The Air Force and Navy were 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 explored the realignment of missions among platforms and examined the potential benefits of acquiring common airframes without sacrificing operational effectiveness or increasing overall costs. This effort was called the NEAT (NNAOC, EEA, A ABNCP, TTACAMO) Analysis of Alternatives (AoA) and it concluded in September 2020 with no impact or actions for the C-32 fleet. After 2020, remaining funding in Program Element 0401310F was applied to the evaluation and maturation of advanced high speed transport scale aircraft with potential to expand the defense industrial base and serve as C-32A replacements at the appropriate time.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver the C-32 Executive Transport Recap system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F. In FY20 \$0.000M was expended for civilian pay expenses in this program element, and in FY21 \$0.000M is forecasted for civilian pay expenses in this program element.

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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B. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	0.000	9.908	9.938	0.000	9.938
Current President's Budget	0.000	6.197	0.000	0.000	0.000
Total Adjustments	0.000	-3.711	-9.938	0.000	-9.938
• Congressional General Reductions	0.000	-3.711			
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	-9.938	0.000	-9.938

Change Summary Explanation

FY 2021 funding was reduced by \$3.7 million to account for the availability of prior year execution balances.

FY 2022 funding request was reduced by \$9.938 million due to completion of Analysis of Alternative with no impact or actions for the C-32 fleet.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: C-32A Executive Transport Recapitalization Analysis of Alternatives (AoA)	0.000	6.170	0.000	0.000	0.000
Description: Expand upon the AoA to study viability of advanced commercial derivative aircraft to mitigate capability gaps.					
FY 2021 Plans: Funds in FY21 will expand AoA analysis and studies to inform technical risk areas, evaluate and mature studies of advanced high speed transport scale aircraft, and conduct technology maturation risk reduction activities to inform a future acquisition strategy.					
FY 2022 Base Plans: N/A					
FY 2022 OCO Plans: N/A					
FY 2021 to FY 2022 Increase/Decrease Statement: Funding decreased due to AoA recommendation. No funding required in FY 2022.					
Title: C-32 Executive Transport Recapitalization Program Office Closeout	0.000	0.027	0.000	0.000	0.000

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
<p>Description: Support Directorate and Program Office efforts to closeout C-32 Recapitalization activities.</p> <p>FY 2021 Plans: Funds in FY2021 support AoA expansion and technology maturation for alternative aircraft replacements of the C-32A.</p> <p>FY 2022 Base Plans: N/A</p> <p>FY 2022 OCO Plans: N/A</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: Funding decreased due to no C32A Executive Transport Recap office support required in FY 2022.</p>					
Accomplishments/Planned Programs Subtotals	0.000	6.197	0.000	0.000	0.000

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	<u>FY 2022 OCO</u>	<u>FY 2022 Total</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 05 0401310F: C-32 Executive Transport Recapitalization	0.000	0.000	0.000	-	0.000	-	-	-	-	-	-

Remarks

E. Acquisition Strategy
AoA expansion will include technology maturation risk reduction activities to inform future C-32A replacement aircraft.

- Early focus on Technology Maturation Risk Reduction on critical performance capabilities identified during material solution analysis phase to support technical maturity of key capabilities and inform requirements for future CDD generation.
- Risk reduction activities and technology maturity assessments outcome will be used to further develop acquisition strategy for a Pre-milestone B entry and subsequent solicitation for a full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Air Force **Date:** May 2021

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0401310F / C-32 Executive Transport R ecapitalization	Project (Number/Name) 640009 / C-32 Executive Transport Recap
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Product Development (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	Various	TBD : TBD	-	0.000		-		-		-		-	-	-	-
C-32 Executive Transport Recapitalization: Analysis of Alternatives Expansion	Various	TBD : TBD	-	0.000		6.170	May 2021	-		-		-	-	-	-
Subtotal			-	0.000		6.170		-		-		-	-	-	N/A

Remarks
FY18-20 Prior Years Funding was executed in PE 0401310F, BPAC 654019, BA05

Management Services (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
C-32 Executive Transport Recapitalization: PMA Contractor Services and PMA Other Government Costs	Various	TBD : Dayton, OH	-	0.000		0.027	May 2021	-		-		-	-	-	-
Subtotal			-	0.000		0.027		-		-		-	-	-	N/A

Remarks
FY18-20 Prior Years Funding of was executed in PE 0401310F, BPAC 654019, BA05

Project Cost Totals	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
	-	0.000	6.197	-	-	-	-	-	N/A

Remarks
-FY2018-2020 RDT&E Funding (\$7.762M) was executed in PE 0401310F, BPAC 654019, BA05

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0401310F / C-32 Executive Transport R ecapitalization	Project (Number/Name) 640009 / C-32 Executive Transport Recap

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C-32 Recap				
Acquisition Strategy Development	1	2021	1	2021
AoA Expansion Studies	1	2021	1	2022