

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 1203905SF / <i>Space System Support</i>
---	--

COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	37.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.000
646021: <i>Space Warfighting Analysis Center (SWAC)</i>	-	37.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.000
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note
 In FY 2023, this program, BA 4 PE 1203905SF, Space System Support, Project 646021 Space Warfighting Analysis Center efforts were transferred to PE 1203622SF, Space Warfighting Analysis Center.

A. Mission Description and Budget Item Justification

The United States Space Force (USSF) initiated and activated the Space Warfighting Analysis Center (SWAC) in mid-FY 2021, and programmed FY 2022 funding to enable the organization to begin conducting its specialized mission. In the absence of a newly-created, SWAC-specific Program Element (PE) at the time of the budget request (FY 2022 President's Budget), the SWAC conducted FY 2022 efforts from Program Element 1203905SF (Space System Support) in the 3620 Research, Development, Test, and Evaluation (RDT&E) appropriation. In FY 2023, SWAC will begin using the newly established PE 1203622SF for all activities, thus, no further funding in FY 2023 will be directed to PE 1203905SF.

It is important to note that PE 1206730SF, Space Security Defense Program (SSDP) mission is distinctly different and intentionally separate from the USSF's SWAC; SSDP focuses its reach across the National Security Space spectrum and Space Control mission area while the SWAC's mission is aligned with Service authorities and focuses on USSF-specific priorities.

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.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force	Date: March 2023
--	-------------------------

Appropriation/Budget Activity 3620F: Research, Development, Test & Evaluation, Space Force I BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 1203905SF / Space System Support
---	---

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	37.000	0.000	0.000	0.000	0.000
Current President's Budget	37.000	0.000	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

In FY 2022, PE 1203905SF, Space System Support, Project 646021 was used for Space Warfighting Analysis Center (SWAC) activities. SWAC activities continued efforts in FY 2023 from PE 1203622SF, Space Warfighting Analysis Center, 3620 Research, Development, Test, & Evaluation appropriation.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Title: Space Warfighting Analysis Center (SWAC)	37.000	0.000	-
Description: Space Warfighting Analysis Center (SWAC) will be resourced to inform operational concepts and Force Design guidance for United States Space Force (USSF) missions by conducting analysis, modeling, wargaming, and experimentation for Research, Development, Testing, and Evaluation (RDT&E) purposes.			
FY 2023 Plans: N/A			
FY 2023 to FY 2024 Increase/Decrease Statement: NA			
Accomplishments/Planned Programs Subtotals	37.000	0.000	-

D. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 1203905SF / <i>Space System Support</i>	

E. Acquisition Strategy
N/A

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force												Date: March 2023				
Appropriation/Budget Activity 3620F / 4					R-1 Program Element (Number/Name) PE 1203905SF / <i>Space System Support</i>					Project (Number/Name) 646021 / <i>Space Warfighting Analysis Center (SWAC)</i>						
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
Space Warfighting Analysis Center	Various	Various - TBD : TBD	-	37.000	Dec 2021	-		-		-		-	0.000	37.000	-	
Subtotal			-	37.000		-		-		-		-	0.000	37.000	N/A	
			Prior Years	FY 2022	FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals			-	37.000	-		-		-		-	0.000	37.000	N/A		
Remarks																

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3620F / 4	R-1 Program Element (Number/Name) PE 1203905SF / <i>Space System Support</i>	Project (Number/Name) 646021 / <i>Space Warfighting Analysis Center (SWAC)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Space Warfighting Analysis Center (SWAC)				
Multi-Domain Awareness (MDA) Force Design	3	2022	4	2022
MDA Missile Warning/Missile Tracking (MW.MT)	3	2022	4	2022
MDA-Tactical Intelligence, Surveillance, and Reconnaissance (T-ISR)	3	2022	4	2022
Spectrum Warfare (SW) Force Designs	3	2022	4	2022
SW-Space Data Transport (SDT)	3	2022	4	2022
SW-Navigation Warfare (NAVWAR) & Position, Navigation & Timing (PNT)	3	2022	4	2022
Force Design Integration (FDI)	3	2022	4	2022
FDI-Planning, Programming & Costing (P2C)	3	2022	4	2022
FDI- Annual Conferences; Capability Area Design(s), and Chief of Space Operations' Force Design Guidance	3	2022	4	2022