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

<b>Appropriation/Budget Activity</b> 3620F: <i>Research, Development, Test &amp; Evaluation, Space Force I BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) 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
Total Program Element	-	18.361	73.501	134.487	0.000	134.487	137.519	75.823	78.320	80.767	0.000	598.778
650140: <i>COMSATCOM</i>	-	3.349	73.501	129.501	0.000	129.501	137.519	75.823	78.320	80.767	0.000	578.780
651126: <i>COMSATCOM Infrastructure</i>	-	15.012	0.000	4.986	0.000	4.986	0.000	0.000	0.000	0.000	0.000	19.998

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

Commercial Satellite Communication (COMSATCOM) Integration develops, prototypes and demonstrates the capabilities required to fully leverage COMSATCOM as part of the Department of Defense's (DoD) SATCOM enterprise. The United States Space Force (USSF) has determined that an enterprise approach to the procurement, delivery and management of its SATCOM capabilities is the best means to create an environment that is responsive to Combatant Commanders and other users across the spectrum of conflict. In addition, an enterprise approach will improve affordability, Department purchasing power and mission assurance. Project 650140, COMSATCOM Enterprise Integration of Fighting SATCOM, will rapidly prototype and deliver Enterprise Management and Control (EM&C) integration tools and mission applications enabling warfighters to operate responsive and resilient SATCOM as a single enterprise. Project 651126, COMSATCOM Infrastructure, will develop and stand up COMSATCOM business and customer management tools, finalizing the Congressionally directed migration from Defense Information Systems Agency (DISA) systems to USSF systems. Development of enhanced COMSATCOM acquisition capabilities leverage enterprise innovation activities focused on transforming how DoD acquires, accesses and deploys COMSATCOM capabilities.

The Luxembourg (LUX) Medium Earth Orbit (MEO) activity is an initial effort for the USSF to partner, explore, prototype, and integrate an international commercial SATCOM service into the DoD SATCOM enterprise. LUX MEO establishes the baseline satellite capability in partnership with the LUX Ministry of Defense (MoD), leveraging the commercial satellite communications system in MEO.

This funding will be used to demonstrate the onboarding of MEO commercial SATCOM services into the SATCOM architecture and Space Data Transport Force Design. Demonstrations will include utilizing Enterprise Management and Control (EM&C) for provisioning and planning, usage of Protected Tactical Waveform (PTW) over MEO Commercial SATCOM and integration of Protected Tactical Enterprise Services (PTES) hubs into commercial SATCOM capable gateways. Early adaption of capability will also be used to prototype and demonstrate fiber resiliency for large gateway backhaul via space. Capacity will further be used to demonstrate platforms use of multi-orbital terminals for Airborne Intelligence, Surveillance, and Reconnaissance (AISR), maritime communications and communications on the move. Luxembourg is also procuring commercial SATCOM services and will contribute to international demonstration and testing of integrated and interoperable ground and space architecture elements. This partnership will also enable additional international partners to join and demonstrate the ability to bulk buy future capacity together to drive cost savings.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 1206392SF and 1206398SF.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Air Force	<b>Date:</b> March 2024
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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>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	23.413	73.501	129.249	0.000	129.249
Current President's Budget	18.361	73.501	134.487	0.000	134.487
Total Adjustments	-5.052	0.000	5.238	0.000	5.238
• 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	-4.590	0.000			
• SBIR/STTR Transfer	-0.462	0.000			
• Other Adjustments	0.000	0.000	5.238	0.000	5.238

**Change Summary Explanation**

FY 2023: -4.590M Space C2 BTR

FY 2025: +5.000M Fund COMSATCOM Commercial Integration Cell (CIC) Tools

FY 2025: +0.238M Inflation Rate for Non-Pay and Non-Fuel Purchases

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

<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</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
650140: <i>COMSATCOM</i>	-	3.349	73.501	129.501	0.000	129.501	137.519	75.823	78.320	80.767	0.000	578.780
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The backbone of Fighting SATCOM is a SATCOM EM&C capability for an Integrated SATCOM Enterprise. This is the foundation for SATCOM integration into an operational level Command and Control (C2) system that enables the end-to-end sensor-to-shooter execution serving to protect and defend, as well as theatre support missions for United States Space Command (USSPACECOM) and the Theater Combatant Commands. SATCOM EM&C applications will provide critical services to our warfighters to facilitate timely, quality driven battlespace decisions for SATCOM allocation and use. The effort leverages a Development Security Operations (DevSecOps) platform to rapidly prototype and deliver EM&C mission applications enabling responsive, resilient SATCOM as prioritized by SpOC (Space Operations Command) Delta 8, SATCOM Integrated Operations Division (SIOD), and four CSSEs (Consolidated SATCOM Systems Experts). There are four CSSEs which covers Wideband, Narrowband, Protected, and Commercial SATCOM bands. SATCOM EM&C applications are delivered in capability categories identified in the DoD Chief Information Officer's (CIO) Enterprise SATCOM Management and Control (ESC-MC) Implementation Plan. All capability development in FY 2025 will be in direct support to the Implementation Plan. Capabilities are incrementally developed using agile methodology and delivered into subsets identified in the DoD CIO's Implementation Plan, which will support the three imperatives (integrate data management, automate resource allocation, fuse situational awareness) and seven core capabilities (mobility and continuous communications, management common operating environment, enterprise SATCOM situational awareness/common operating picture, automated resource allocation, electromagnetic interference mitigation, continuity of operations, element/enterprise network interface) across the four SATCOM bands.

In addition to USSF developed EM&C capabilities, USSF will demonstrate the onboarding of MEO commercial SATCOM services into the SATCOM architecture and Space Data Transport Force Design. The LUX MEO activity is an initial effort for the USSF to partner, explore, prototype, and integrate an international commercial SATCOM service into the DoD SATCOM enterprise. Demonstrations will include utilizing EM&C for provisioning and planning, usage of PTW over MEO Commercial SATCOM, and integration of PTES hubs into commercial satellite capable gateways. Early adoption of capability will also be used to prototype and demonstrate fiber resiliency for large gateway backhaul via space. Capacity will further be used to demonstrate platforms use of multi-orbital terminals for AISR, maritime communications and communications on the move. Luxembourg is also procuring commercial SATCOM services to contribute to international demonstration and testing of integrated and interoperable ground and space architecture elements. This international partnership intends to demonstrate the ability to jointly procure communication capacity services that will result in a higher return on US DoD SATCOM investment and potentially lead to future international partnering opportunities.

Activity priorities are subject to change based as determined by the operational user (Delta 8).

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Enterprise Integration of Fighting SATCOM	3.349	13.834	64.662
<b>Description:</b> SSC is developing the EM&C capability to support Chief of Space Operations' (CSO) Fighting SATCOM Vision. Leveraging the Capability Roadmap Architecture and Situational Awareness/Common Operating Picture previously developed,			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>prototyping efforts focus on improving the user interface/experience, integrating global spectrum usage, providing status of SATCOM systems (ground and space), Electro-Magnetic Interference (EMI) characterization, and development of SATCOM registries.</p> <p><b>FY 2024 Plans:</b> FY 2024 funding will be used to continue integration of data sources into the planning and mission management capability areas to include MILSATCOM, Commercial, and International Partner systems. The enterprise situational awareness will continue to include an integrated visualization of SATCOM related terminal and service providers with an addition to mission and threat profiles. Develop mobility and continuous communications through the use of automated resource allocation, and restoral for Enterprise Planning capabilities to facilitate uninterrupted operational roaming by leveraging machine-to-machine interfaces. Advance developed tools to support Electro-magnetic Interface / Radio-Frequency (EMI/RF) characterization and mitigation with EMI reporting, spectral monitoring, and EMI event evolution capabilities. Continue to leverage and mature the DevSecOps platform processes, and other contract vehicles as required, to rapidly deliver and enhance incremental mission applications, infrastructure, IT and cyber efforts. Support implementation of Flexible Network Interface and Flexible Terminal Interface standards, and facilitate data exchange between terminals, network operations centers, and EM&amp;C. All activities include, but are not limited to, program office support, studies, technical analysis, experimentation, prototyping, etc.</p> <p><b>FY 2025 Plans:</b> SATCOM EM&amp;C will continue to leverage the DevSecOps process to rapidly deliver minimal viable products as prioritized by SpOC Delta 8 for user feedback and adoption through a cloud based staging environment accessible at multiple classification levels. While specific priorities will be updated periodically as part of an agile software development methodology, SpOC Delta 8 will provide overall guidance through the Capability Needs Statement and regular meetings to enhance multiple capabilities across the four SATCOM bands (Wideband, Narrowband, Protected, and Commercial). The overarching set of capabilities targeted for FY 2025 will support and/or expand the automation of Delta 8's mission planning/execution processes or allow more efficient usage of Delta 8's manpower. This includes substantial investment in multiple situational awareness capabilities and automating resources, as well as data management. This may support an individual band, some of the four bands, or all four of the bands pending user/stakeholder feedback/prioritization.</p> <p>Rapidly respond to implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to program office support, studies, technical analysis, experimentation, prototyping, and activities that may leverage commercial and international opportunities.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY 2025 budget increased in response to a DoD CIO led increase in support of the recently signed (Dec 2022) ESC-MC Implementation Plan, which requires Data and ESC-MC Network Management Integration beginning in FY 2024 and completing</p>				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
in FY 2028 (Phase 2), and implementation of enterprise SATCOM management and control beginning in FY 2026 and concluding in FY 2030 (Phase 3). The budget increase enables SATCOM EM&C to enter the planning phase of the Software Acquisition Pathway in 2nd Quarter FY 2024 and accelerate capability deliveries in support of Phase 2 and 3 of the DoD CIO's Implementation Plan across FY 2025.				
<p><b>Title:</b> Fund COMSATCOM Commercial Integration Cell (CIC) Tools</p> <p><b>Description:</b> Enhances commercial integration cell; plus up belongs to Project 651126.</p> <p><b>FY 2024 Plans:</b> N/A</p> <p><b>FY 2025 Plans:</b> N/A</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> N/A</p>		-	0.000	5.000
<p><b>Title:</b> International MEO SATCOM</p> <p><b>Description:</b> US DoD and LUX MoD is pursuing a Global Commercially Contracted (GCC) SATCOM Support Partnership (SP) through the NATO Support and Procurement Agency (NSPA) to establish a contracting mechanism to procure commercially available SATCOM on behalf of both nations and leverage economies of scale. By partnering with the LUX MoD for mPOWER satellite access, the DoD can leverage a multi-year international arrangement to drive affordability, resiliency, and flexibility into military SATCOM architectures that align with USSF SATCOM vision to deploy multi-orbit, multi-frequency capabilities. This international partnership intends to demonstrate the ability to jointly procure communication capacity services that will result in a higher return on US DoD SATCOM investment and lead to future international partnering opportunities.</p> <p><b>FY 2024 Plans:</b> Procure and integrate with commercial SATCOM services to prototype and demonstrate the capabilities of International Commercial MEO SATCOM. Commercial SATCOM capacity and terminals will support Combatant Command requirements for SATCOM support services and other required commercial support services. Activities include, but are not limited to, program office support, studies, technical analysis, experimentation, prototyping, etc.</p> <p><b>FY 2025 Plans:</b> Continue to procure and integrate with commercial SATCOM services to prototype and demonstrate the capabilities of International Commercial MEO SATCOM. Commercial SATCOM capacity will support Combatant Command requirements for</p>		-	59.667	59.839

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p>SATCOM support services and other required commercial support services. Activities include, but are not limited to, program office support, studies, technical analysis, experimentation, prototyping, etc.</p> <p>Rapidly respond to implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to program office support, studies, technical analysis, experimentation, prototyping, and activities that may leverage commercial and international opportunities.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY 2025 increased due to inflation.</p>				
<b>Accomplishments/Planned Programs Subtotals</b>		3.349	73.501	129.501
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
<p>Fighting SATCOM Integration leverages Other Transaction Authority (OTA) agreement awards through the Space Enterprise Consortium to rapidly develop prototype capabilities in operationally relevant timelines. Early risk reduction and delivery of first operational prototypes began in FY 2021. Individual prototype efforts are competitively awarded fixed-price agreements leveraging non-traditional defense contractors. SATCOM EM&amp;C is pursuing entry into the Software Acquisition Pathway Planning Phase in 2nd Quarter FY 2024, and approval for entry to the Software Acquisition Execution Phase in FY 2025. As part of the software acquisition pathway, USSF is considering leveraging other acquisition options in addition to the current OTAs to incrementally deliver capability enhancements through multiple vendors, including options to adopt commercially available or open-source solutions instead of developing government unique products. SATCOM EM&amp;C also leverages an SE&amp;I contractor to facilitate a vendor agnostic and government-owned solution for the back end DevSecOps systems to integrate the various contractors into a consolidated EM&amp;C system, maximize competition, guarantee a modular open-ended systems architecture, and coordinate user feedback sessions. Prototyping efforts will work in concert with this strategy.</p> <p>EM&amp;C is expected to enter the planning phase of the Software Acquisition Pathway in 2nd Quarter FY 2024 and enter execution phase in 2nd Quarter FY 2025.</p> <p>The LUX MEO COMSATCOM capacity will be acquired by Space Systems Center/Commercial Satellite Communications Office in coordination with the PATS Program Office, SSC/IA, and the NATO Support Procurement Agency (NSPA). The DoD and LUX Minister of Defense activated the Global Commercially Contracted SATCOM Support Partnership with NSPA on 31 October 2022 to enable combined contracting for commercial SATCOM capabilities.</p>				

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

<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>
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<b>Product Development (\$ 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>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Enterprise Integration of Fighting SATCOM Fusing Situational Awareness, Automating Resource Allocation, and Data Management	Various	Various : TBD	-	1.406	Mar 2023	4.976	Dec 2023	42.656	Nov 2024	-		42.656	Continuing	Continuing	-
Technical Mission Analysis	RO	Aerospace : El Segundo, CA	-	0.987	Feb 2023	0.500	Jan 2024	0.467	Oct 2024	-		0.467	Continuing	Continuing	-
SE&I	C/CPIF	Linquest : El Segundo, CA	-	-		8.303	Feb 2024	17.697	Feb 2025	-		17.697	Continuing	Continuing	-
LUX MEO	TBD	Betzdorf : Luxembourg	-	-		54.895	Nov 2023	54.818	Jan 2025	-		54.818	Continuing	Continuing	-
SBIR/STTR	Allot	Not specified. : TBD	-	-		2.572	Mar 2024	4.662	Mar 2025	-		4.662	0.000	7.234	-
Passback - Fund COMSATCOM CIC Tools	TBD	TBD : TBD	-	-		-		5.000	Mar 2025	-		5.000	Continuing	Continuing	-
<b>Subtotal</b>			-	2.393		71.246		125.300		-		125.300	Continuing	Continuing	N/A

<b>Management Services (\$ 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>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
FFRDC	RO	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
A&AS	Various	Various : TBD	-	0.856	Nov 2022	2.205	Nov 2023	4.101	Nov 2024	-		4.101	0.000	7.162	-
Other Support	TBD	Various : TBD	-	0.100	Oct 2022	0.050	Oct 2023	0.100	Oct 2024	-		0.100	0.000	0.250	-
<b>Subtotal</b>			-	0.956		2.255		4.201		-		4.201	Continuing	Continuing	N/A

<b>Project Cost Totals</b>	<b>Prior Years</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>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
-	-	3.349	73.501	129.501	-	129.501	Continuing	Continuing	N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2025 Air Force							<b>Date:</b> March 2024			
<b>Appropriation/Budget Activity</b> 3620F / 5			<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>			<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>				
	<b>Prior Years</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>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	

**Remarks**  
 Due to the expected increase in FY 2025 budget, SE&I/A&AS support is expected to also increase.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
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

<b>Prototyping and Integration</b>	
Electromagnetic Interference Work Up	
Fusing Situational Awareness Capability 1	
Fusing Situational Awareness Capability 2	
Fusing Situational Awareness Capability 3	
Fusing Situational Awareness Capability 4	
Fusing Situational Awareness Capability 5	
Fusing Situational Awareness Capability 6	
Fusing Situational Awareness Capability 7	
SAA/SAR Mission Work Up (Automating Resource Allocation)	
Terminal Orchestration (Automating Resource Allocation)	
Automating Resource Allocation Capability 1	
Automating Resource Allocation Capability 2	
Terminal Registry Service (Data Management)	
Data Management Capability 1	
Data Management Capability 2	
<b>Emerging User Requirements</b>	
Requirements defined by USSF Delta 8	
<b>Prototype Transition</b>	
Transition to operational environment	
<b>Mission Support</b>	

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**Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>
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	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Maintain SATCOM EM&C application, environment, data sources, etc. Integrate new capabilities																												
<b>LUX MEO</b>																												
International MEO SATCOM																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Prototyping and Integration</i></b>				
Electromagnetic Interference Work Up	3	2023	1	2025
Fusing Situational Awareness Capability 1	2	2025	4	2025
Fusing Situational Awareness Capability 2	2	2025	1	2026
Fusing Situational Awareness Capability 3	2	2025	1	2026
Fusing Situational Awareness Capability 4	2	2025	2	2026
Fusing Situational Awareness Capability 5	2	2025	2	2026
Fusing Situational Awareness Capability 6	2	2025	2	2026
Fusing Situational Awareness Capability 7	2	2025	4	2026
SAA/SAR Mission Work Up (Automating Resource Allocation)	1	2023	1	2025
Terminal Orchestration (Automating Resource Allocation)	2	2023	2	2025
Automating Resource Allocation Capability 1	4	2023	4	2025
Automating Resource Allocation Capability 2	2	2025	2	2026
Terminal Registry Service (Data Management)	1	2023	4	2023
Data Management Capability 1	2	2025	3	2026
Data Management Capability 2	2	2025	2	2026
<b><i>Emerging User Requirements</i></b>				
Requirements defined by USSF Delta 8	1	2025	4	2029
<b><i>Prototype Transition</i></b>				
Transition to operational environment	1	2025	4	2029
<b><i>Mission Support</i></b>				

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

<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (COMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 650140 / <i>COMSATCOM</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>
Maintain SATCOM EM&C application, environment, data sources, etc. Integrate new capabilities	1	2023	4	2029
<b>LUX MEO</b>				
International MEO SATCOM	3	2024	3	2027

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3620F / 5					<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>				<b>Project (Number/Name)</b> 651126 / <i>COMSATCOM Infrastructure</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</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>
651126: <i>COMSATCOM Infrastructure</i>	-	15.012	0.000	4.986	0.000	4.986	0.000	0.000	0.000	0.000	0.000	19.998
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

In accordance with the FY 2018 National Defense Authorization Act 1601(a), as amended, and on behalf of the CSO and in consultation with the DoD CIO, the USSF Commercial Satellite Communications Office (CSCO), serves as the sole authority for the procurement of COMSATCOM services for the DoD; this responsibility was previously held by DISA. In order to provide the joint warfighter with modernized access to COMSATCOM services and ensure combat effectiveness across all domains, the CSCO requires a comprehensive COMSATCOM Enterprise Technology (COMET) Systems of Systems to provide required business suite financial management and customer and contract support systems. The COMET programs implementation of the COMSATCOM Business Suite (CBS) tool is also critical to complete the Congressionally mandated COMSATCOM mission transition from DISA to USSF. The CBS tool will have multiple components including: (1) Business Suite & Marketplace designed to automate and streamline requests for work and customer interaction, thereby replacing manual processes for over 100 different contracts valued at \$5 billion over the future year defense program; (2) Financial Management System required to operate a new and cutting-edge Enterprise Space Activity Group (ESAG) under the Air Force Working Capital Funds (AFWCF); (3) Integration with third party systems and capabilities, including cloud-based hosting and EM&C - the nexus of future USSF space-based SATCOM C2.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> COMSATCOM Enterprise Technology (COMET) System of Systems	15.012	0.000	4.986
<p><b>Description:</b> SSC establishment of mission critical COMSATCOM support systems to enable transformational change to the acquisition of COMSATCOM, increasing speed to service, improving quality of service, reducing costs, and laying the foundation to incorporate new industry innovations into the future. Development of the CBS tool will enable transition and enhance the existing COMSATCOM customer-facing tools and background financial management data systems from DISA to the USSF. The CBS tool is required to automate and securely distribute COMSATCOM services and capabilities to stakeholders in order to improve the ordering, billing, activation, provisioning, and other financial management tasks currently leveraging DISA capability.</p> <p><b>FY 2024 Plans:</b> No funding was requested in FY 2024. Activities in FY 2024 continue from the FY 2023 budget allocation.</p> <p><b>FY 2025 Plans:</b> Continue the development and standup of CBS tool and integration efforts, finalizing the Congressionally directed transition from DISA working capital to USSF. This includes completing development of financial/customer management systems required to transition COMSATCOM customer business processes from DISA to USSF, applications to manage inventory of commercial</p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force		<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 651126 / <i>COMSATCOM Infrastructure</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
services from industry and the user interfaces for customers to order/activate services, and processes and capabilities needed to interconnect sub-systems and to facilitate enterprise connectivity.				
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY 2025 increased to continue CBS tool development and integration efforts enabling the transition from DISA to USSF.				
<b>Accomplishments/Planned Programs Subtotals</b>		15.012	0.000	4.986
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
The acquisition strategy is to perform competitive awards to qualified contractors via multiple contracting authorities. Efforts will include required compliance tools and processes supporting existing business models, necessary operational readiness updates to existing equipment, and other services required to implement the transition from DISA to USSF. Contracts may be competitively awarded, utilizing a to-be-determined contract type.				



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Air Force</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 651126 / <i>COMSATCOM Infrastructure</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
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

<b>COMET System-of-Systems</b>	
CBS Financial Management System	[REDACTED]
CBS Marketplace/Enterprise	[REDACTED]
CSCO Integration	[REDACTED]

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3620F / 5	<b>R-1 Program Element (Number/Name)</b> PE 1206445SF / <i>Commercial SATCOM (C OMSATCOM) Integration</i>	<b>Project (Number/Name)</b> 651126 / <i>COMSATCOM Infrastructure</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>COMET System-of-Systems</b>				
CBS Financial Management System	3	2023	2	2025
CBS Marketplace/Enterprise	3	2023	4	2025
CSCO Integration	4	2023	4	2025

**Note**  
No funding was requested in FY 2024. Activities in FY 2024 continue from the FY 2023 budget allocation.