Exhibit R-2, RDT&E Budget Item Justification: PB 2024 United States Special Operations Command	Date: March 2023
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*

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	645.994	30.399	90.136	86.737	-	86.737	81.282	76.780	79.277	81.825	Continuing	Continuing
S400: *SO Intelligence Systems*	645.994	30.399	90.136	86.737	-	86.737	81.282	76.780	79.277	81.825	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) is part of the Military Intelligence Program (MIP) that develops the identification, development, rapid prototyping and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. RDT&E project addresses: intelligence dissemination; sensor systems; tagging, tracking, and locating devices; integrated threat warning to SOF mission platforms; biometrics and forensic site exploitation; Tactical Exploitation of National Capabilities (TENCAP) system under National Systems Support to SOF (NSSS); space-based payload development; and tactical uncrewed systems. The United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems and tactical uncrewed systems continue to provide SOF with the required capabilities. The USSOCOM tactical uncrewed and C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture employ the latest standards and technology by transitioning from separate systems to full integration with the Global Information Grid (GIG). The GIG allows SOF elements to operate with any force combination in multiple environments. This PE received a Congressional Add in FY 2023 for Multi-Mission Tactical Unmanned Aerial Systems (MTUAS) for Artificial Intelligence for Small Unit Maneuver (AISUM) ($15.000 million).

B. Program Change Summary ($ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	30.399	75.136	77.607	-	77.607
Current President's Budget	30.399	90.136	86.737	-	86.737
Total Adjustments	0.000	15.000	9.130	-	9.130
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	15.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	9.130	-	9.130

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2022	FY 2023
Project: S400: *SO Intelligence Systems*		
Congressional Add: *MTUAS for Artificial Intelligence for Small Unit Maneuver (AISUM)*	-	15.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 United States Special Operations Command	Date: March 2023
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2022	FY 2023
Congressional Add Subtotals for Project: S400	-	15.000
Congressional Add Totals for all Projects	-	15.000

Change Summary Explanation

Funding:

FY 2022: None.

FY 2023: Increase for Multi-Mission Tactical Unmanned Aerial Systems (MTUAS) for Artificial Intelligence for Small Unit Maneuver (AISUM) to accelerate research, development, test and evaluation and integration of advanced artificial intelligence and machine learning technologies on V-BAT (not an acronym) to provide modular capabilities in support of Small Unit Maneuver ($15.000 million).

FY 2024: Net increase of $9.130 million to support autonomy enhancements to Multi-Mission Tactical Unmanned Aerial Systems (MTUAS) V-BAT platform ($2.500 million) and details to be provided under separate cover ($6.630 million).

Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command			Date: March 2023
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160405BB / *Intelligence Systems Development*	Project (Number/Name) S400 / *SO Intelligence Systems*	

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
S400: *SO Intelligence Systems*	645.994	30.399	90.136	86.737	-	86.737	81.282	76.780	79.277	81.825	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is part of the Military Intelligence Program (MIP). Provides for the identification, development, testing, and rapid prototyping of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Programs address the primary areas of intelligence dissemination, sensor systems, tagging, tracking, and locating devices, integrated threat warning to SOF mission platforms, SOF-peculiar (SOF-p) support from space systems including Tactical Exploitation of National Capabilities (TENCAP) system, space-based payload development, and tactical uncrewed systems. The systems developed and tested in this project are National Systems Support to SOF (NSSS); Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA); SOF Planning, Rehearsal and Execution Preparation (SOFPREP); Integrated Survey Program (ISP); Sensitive Site Exploitation (SSE); SOF Signals Intelligence (SIGINT) Processing, Exploitation, Dissemination (PED) Silent Dagger (SD); Small Unmanned Systems (SUMS) consolidating the Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS) program with other multi-domain robotic acquisitions]; and Multi-Mission Tactical Unmanned Aerial Systems (MTUAS). The intelligence programs funded in this project will meet annual emergent requirements.

The United States Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems and tactical uncrewed systems continue to provide SOF with the required capabilities throughout the 21st century. The USSOCOM's tactical uncrewed and C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture employ the latest standards and technology by transitioning from separate systems to full integration with the Global Information Grid (GIG). The GIG allows SOF elements to operate with any force combination in multiple environments.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
Title: National Systems Support to SOF (NSSS)	3.345	9.372	9.383
Description: NSSS provides research and development, and rapid prototyping to support the USSOCOM TENCAP program and supporting capabilities. NSSS improves the combat effectiveness of the USSOCOM, its components, and the Theater Special Operations Commands (TSOC) by providing innovative space-based Intelligence, Surveillance, and Reconnaissance (ISR) technologies and system enhancements, products, and special communications capabilities to tactical SOF units. NSSS leverages current and developmental national systems to augment, support, and integrate with the USSOCOM systems. Focus areas include Geospatial Intelligence (GEOINT), Signals Intelligence (SIGINT), Special Communications, and intelligence fusion, reporting, and dissemination. NSSS efforts are characterized by rapid prototype development to transition to the USSOCOM programs while leveraging existing national space-based assets and integration of SOF-peculiar satellite payloads via integration with the National Defense Space Architecture (NDSA) and aligns with the 2022 National Defense Strategy (NDS).			

Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
FY 2023 Plans: Continue development of SOF-peculiar prototype capabilities, leveraging current or developing technologies and assets, while coordinating with the USSOCOM operators and Program of Record (PoR) for production and operational fielding of successful capabilities. Emphasis areas include the Combined Intelligence Picture-All Source transceiver capability that leverages existing national space assets and integration of SOF-peculiar satellite payloads with the National Defense Space Architecture (NDSA). ***FY 2024 Plans:*** Continues development of SOF-peculiar prototype capabilities, leveraging current or developing technologies and assets, while coordinating with the USSOCOM operators and PoR for production and operational fielding of successful capabilities. Emphasis areas included the Combined Intelligence Picture-All Source transceiver capability that leverages existing national space assets and integration of SOF-peculiar satellite payloads integration with the NDSA. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Increase of $0.011 million supports TENCAP software improvements and integration of space-based payloads into national system architectures for SOF tactical targeting to advance integrated deterrence in alignment with the 2022 National Defense Strategy (NDS).			
Title: Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA), Program Number 833	2.955	8.720	8.699
Description: This program provides SOF with critical Special Reconnaissance (SR) equipment that directly supports the planning and execution of SOF missions. This capability allows the SOF warfighter to meet mission requirements to find, fix, finish, exploit, analyze, and disseminate information of an adversary's movement, construct, identification, location, and associated activities. TVS/RSTA provides Global Combatant Commanders and SOF operators with an immediate capability to visually and electronically acquire people, things, and activities and provides actionable intelligence for SOF planners and Commanders. The Family of Systems (FoS) consists of interoperable equipment to capture and transfer near-real-time ground-based, tactical day/night/reduced visibility, imagery, video, and electronic proximity and movement sensing, all capable of dissemination through SOF organic, global C4I, and commercial communications infrastructures. TVS/RSTA directly supports the 2022 National Defense Strategy priority of integrated deterrence with a focus on Preparation of the Environment (PE), Information Operations (IO) and Unconventional Warfare (UW).			
FY 2023 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
Continue specialized device modifications for Unattended Ground Sensors/Unattended Maritime Sensors, integration with small satellite receiver payloads, operational testing and evaluation, and begin development of advanced sensor emplacement capabilities. ***FY 2024 Plans:*** Continues planned spiral improvements for the unattended maritime system payloads and command & control capabilities to support Naval Special Warfare. Additional projects in the areas of advanced data exfil using ground & space techniques and advanced smart sensors will be pursued and undergo operational testing and evaluation. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Decrease of $0.021 million accounts for the reduced level of effort associated with sensor testing and evaluation events.			
Title: SOF Planning, Rehearsal and Execution Preparation (SOFPREP) ***Description:*** This effort serves as the intelligence focal point for production of SOF enhanced GEOINT (maps, imagery, and terrain data) and three-dimensional (3D) scene visualization databases. SOFPREP gathers, processes, exploits, disseminates, and manages classified high resolution 3D databases and GEOINT data in support of SOF training, mission rehearsal, and execution preparation systems. The program builds the SOF common geospatial environment and manages the authoritative database of SOF-peculiar GEOINT terrain data. SOFPREP is a National Geospatial-Intelligence Agency (NGA) certified co-producer in support of time-sensitive SOF-peculiar requirements.	0.281	-	-
Title: Integrated Survey Program (ISP), Program Number 842 ***Description:*** This program collects and produces current, detailed, tactical planning data to support military operations to counter threats against U.S. citizens, interests, and property located both domestically and overseas. ISP products are specifically tailored packages that provide operational information and intelligence data for use by the Department of Defense (DoD) and the U.S. Department of State to support operational planners for counter-terrorism operations, evacuations, and other rescue missions. ***FY 2023 Plans:*** Continue development and rapid fielding of ISP systems and products to integrate with enterprise architecture and support rapid and iterative delivery of digital products to meet emerging SOF requirements. ***FY 2024 Plans:*** Continues development and rapid fielding of ISP systems and products to integrate with enterprise architecture and supports rapid and iterative delivery of digital products to meet emerging SOF requirements. ***FY 2023 to FY 2024 Increase/Decrease Statement:***	0.797	0.869	0.908

Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
Increase of $0.039 million supports continued system development efforts.			
Title: Sensitive Site Exploitation (SSE) Program Number 834	1.752	1.955	1.974
Description: This program uses rapid test and evaluation of emerging biometric and forensic technology to provide state-of-the-art capabilities to the warfighter for the exploitation of documents, electronic data, materiel, and forensic evidence on sensitive sites/objectives. Biometric kits collect and transmit unique, measurable biometric signatures from personnel, including live/latent fingerprints, iris patterns, and facial features. It also provides a means to verify against and enroll subjects into the DoD authoritative database and to query that database to support hold or release decisions. Forensic kits enable on-objective linking of events to specific persons through chemical analysis, latent fingerprints, cell phones and computer data analysis, and deoxyribonucleic acid (DNA) collection. Exploitation Analysis Centers provide theater-level mobile forensic capabilities for more in-depth exploitation of collected exploitable material. Supports the 2022 NDS through the sharing of Collectible Exploitable Material (CEM) with foreign partners provides intelligence to advance regional security goals that implement the higher level aims of integrated deterrence. ***FY 2023 Plans:*** Continue touchless fingerprint and mobile biometric device objectives, as well as integration of a low visibility, small form factor, hazardous chemical detection capability with the ability to identify chemicals through containers and windows reducing risk to the operator. A handheld device will save time, improve on-site analysis, and prevent exposure to dangerous substances while reducing the risk of igniting explosive chemicals. Continue equipment modernization persistently required for hardware and software applications that support CEM on mobile computing devices. ***FY 2024 Plans:*** Continues touchless equipment modernization with smaller form factor and integration of converging technologies on operator handheld biometric devices. Continues touchless equipment innovation for Operator handheld chemical detection reducing risk to the operator by limiting or preventing exposure to dangerous combustible material while providing real time results. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Increase of $0.019 million continues equipment modernization persistently required for hardware and software applications that support CEM on mobile computing devices.			
Title: SOF Signals Intelligence (SIGINT) Processing, Exploitation, Dissemination (PED) Silent Dagger (SD) Program Number 835	0.565	1.120	1.113
Description: SOF SIGINT PED SD is family of products and services providing ISR, and analytical capabilities at the Joint Task Force level and below through a combination of reachback, forward support and collaboration. The program supports all Components and TSOCs with capability that interconnects warfighters, sensors, and analytic tools to find and fix enemy combatants and/or terrorists, as well as information sharing across the USSOCOM Enterprise and the DoD. The SIGINT PED SD			

Exhibit R-2A, RDT&E Project Justification: PB 2024 United States Special Operations Command		Date: March 2023
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
provides SIGINT exploitation in both garrison and deployed environments in support of multi-domain SOF operations in contested environments supporting integrated deterrence. ***FY 2023 Plans:*** Continue development and integration of emerging technologies and capability enhancements for requirements including: advanced analytics; User Interfaces, cloud computing; machine learning; and disconnected operations. Continue limited Objective Events and exercise participation in support of outside declared theater of active armed conflict preparation to include integration of advanced technologies and obtaining operational feedback of upgraded capabilities in development. ***FY 2024 Plans:*** Continues development and integration of emerging technologies and capability enhancements for requirements including: advanced analytics; User Interface; cloud computing; machine learning; and disconnected operations. Continues exercise participation in support of outside declared theater of active armed conflict preparation to include integration of advanced technologies and obtaining operational feedback of upgraded capabilities in development. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Decrease of $0.007 million reduces the level of effort for integration of advance technologies.			
Title: Small Unmanned Systems (SUMS); [(includes Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS)] ***Description:*** SUMS is categorized by platform domain, range, and endurance in capability sets meeting the ISR requirements of SOF individuals, teams, and units. SUMS platforms are battery or battery-hybrid powered, range up to 30 miles from the launch area, and can operate up to eight hours before having to recharge. SUMS include fixed-wing and Vertical Take-Off and Landing (VTOL) airborne platforms, wheeled, tracked, legged ground platforms, propeller, sail/water-jet propelled sea-surface, and undersea platforms. SUMS payloads and ancillary equipment are also included. Funding for this program was contained in Program Element (PE) 1160434BB Unmanned ISR; Project S855 Unmanned ISR for FY 2022 and prior. SUMS development is focused on addressing Special Operations Force's pacing challenge with multi-domain robotic ISR systems for enduring advantage throughout the spectrum of conflict. SUMS development includes efforts to decrease SOF operator cognitive load through the integration of computing resources and sensor payloads to advance autonomy, artificial intelligence (AI), and machine learning (ML) capabilities in uncrewed systems. ***FY 2023 Plans:*** Begin development, test, and integration of Artificial Intelligence/Machine Learning (AI/ML) advances into small Uncrewed Air Systems (UAS) toward collaborative autonomy, including autonomous navigation and obstacle avoidance, automated target	-	14.338	14.649

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
recognition, and multi-system operations by a single user (person-on-the-loop) while continuing test, prototyping and integration of ISR payloads and ancillary equipment. ***FY 2024 Plans:*** Continues development, test, and integration of AI/ML into multi-domain SUMS to improve collaborative autonomy, including autonomous navigation and obstacle avoidance, automated target recognition, and multi-system operations by a single user (person-on-the-loop) and continuing test, prototyping, and integration of multi-domain platforms, ISR payloads, and ancillary equipment. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Increase of $0.311 million supports increased algorithm and computing power development, integration and test.			
Title: Multi-Mission Tactical Unmanned Aerial Systems (MTUAS) Program Number 836 ***Description:*** MTUAS are multi-mission tactical uncrewed aircraft systems acquired, tested, trained, fielded, and supported for use by Naval Special Warfare units. The uncrewed aircraft systems comprise Group 2 and Group 3 light air vehicles between 21 and 1320 pounds, modular ground control stations, full motion video payloads, peripherals, and SOF-peculiar (SOF-p) mission kits, payloads, modifications and technology improvements. Funding for this program was contained in Program Element (PE) 1160434BB Unmanned ISR; Project S855 Unmanned ISR for FY 2022 and prior. ***FY 2023 Plans:*** Begin to develop, test, and integrate emerging technologies and performance enhancements for SOF-p requirements to include, but not limited to the following capabilities: maritime launch and recovery; tactical mobility; communications relay; target designation; common ground control stations; alternative navigation/assured position navigation and timing; beyond line of site operations; machine learning and edge computing; cooperative and collaborative autonomy; man/machine interface improvements; survivability improvements; alternative propulsion and power solutions; resilient communications and data links; battle network integration; and for V-BAT (not an acronym), the UAS material solution. ***FY 2024 Plans:*** Continues to develop technology insertion for maritime and autonomy applications, as well as integration testing with special payloads and other SOF assets. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Increase of $2.135 million will support autonomy enhancements to V-BAT platforms.	-	10.935	13.070
Title: Classified Program ***Description:*** Classified Programs (details provided under separate cover).	18.223	27.827	36.941

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
FY 2023 Plans: Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Increase of $9.114 million will be provided under separate cover.			
Title: Classified Program SAP ***Description:*** Classified Program (details provided under separate cover). This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.	2.481	-	-
Accomplishments/Planned Programs Subtotals	30.399	75.136	86.737

	FY 2022	FY 2023
Congressional Add: MTUAS for Artificial Intelligence for Small Unit Maneuver (AISUM)	-	15.000
FY 2023 Plans: Funds accelerate research, development, test and evaluation and integration of advanced artificial intelligence and machine learning technologies on V-BAT to provide Naval Special Warfare with Advance modular capabilities in support of Small Unit Maneuver.		
Congressional Adds Subtotals	-	15.000

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/020400INTL: *Intelligence Systems*	131.889	242.094	203.400	-	203.400	210.391	220.089	237.683	241.879	Continuing	Continuing

Remarks

D. Acquisition Strategy

• NSSS leverages internal/external contracts, Other Transaction Authorities (OTA) to introduce and integrate national systems capabilities into the SOF force structure and operations. This approach rapidly develops Technology Readiness Level (TRL) 3/4 to TRL 6/7 capabilities for SOF operational deficiencies identified by the national intelligence community competitive technology selection process. By partnering with existing Intelligence Community and the USSOCOM, NSSS incorporates SOF mission requirements into current and developing technologies and assets. This leveraging of funds increases national and commercial space-based systems

awareness, demonstrates the tactical utility of national systems and commercial data, test technologies and evaluates operational concepts and allows for the transition of promising concepts and technologies to other SOF program offices for execution.

• The TVS/RSTA program has been designated a Major Capability Acquisition (MCA) at Milestone C, in accordance with the authority in the Department of Defense (DoD) Directives 5135.02, the guidance in DoD Instruction 5000.85. The purpose of the MCA is to acquire sensors, cameras, and data exfil capabilities that provide and utilizes upgraded next- generation technology insertion of commercial off the shelf systems to address the changing threat environment. Commercial and government agency sources will be leveraged for required certifications, system level integration, functional, and operational testing and evaluations. TVS/RSTA directly supports the 2022 National Defense Strategy priority of integrated deterrence with a focus on Preparation of the Environment (PE), Information Operations (IO) and Unconventional Warfare (UW).

• SOFPREP uses a rapid acquisition strategy to facilitate rapid and iterative delivery of digital products to meet emerging SOF requirements. Commercial, open and government sources are leveraged for required certifications, system level integration, functional, and operational testing and evaluations.

• ISP uses a rapid acquisition strategy to facilitate rapid and iterative delivery of digital products to meet emerging SOF requirements. Commercial, open and government sources are leveraged for required certifications, system level integration, functional, and operational testing and evaluations.

• SSE utilizes the MCA (ACAT III) pathway that leverages rapid prototyping, test, and evaluation strategy to provide next-generation technologies for collection, processing, exploitation and dissemination capabilities supporting SOF exploitation mission requirements. Commercial and government agency sources are leveraged for required certifications, system level integration, functional, and operational testing and evaluations.

• SOF SIGINT PED SD is a MCA (ACAT III) program leveraging National services, controlled commercial hardware, and SOF specific capabilities, acquired through internal USSOCOM contracts, external contracts, and partnerships with other government agencies. The program represents SOF equities to Other Government Agencies (OGAs), programs, and National capabilities sponsors to innovate capability for SOF SIGINT PED. The acquisition strategy is a mixture of agency partnerships and government capability providers leveraging open competition with controlled supply chains.

• SUMS, formerly known as EOTACS, utilizes the MCA pathway that leverages evolutionary acquisition solutions to develop, integrate, test, and field SOF-p capabilities using multi-domain Commercial Off the Shelf, Government Off the Shelf, and OGA platforms, payloads, and ancillary equipment. Market research identifies advances in performance, including collaborative autonomy effects, Intelligence, Surveillance, Reconnaissance payload performance and modularity, improved ground control station user interface, and collaborative autonomy effects. Additional artificial intelligence/machine learning algorithms, sensors, and computing power are developed, integrated, and tested in SUMS for required SOF-p performance. Commercial and government sources are leveraged for required operation and cybersecurity certifications. Existing indefinite delivery/indefinite quantity contracts are utilized for procurement of systems and equipment.

• MTUAS utilizes the MCA pathway that leverages rapid prototyping and evolutionary acquisition solutions that deliver, integrate, and qualify SOF-p uncrewed aircraft systems and modular mission kits (that may include: payloads, air vehicle performance enhancements, training systems, and ground control station upgrades) to continuously strengthen the posture against the dynamic capabilities of strategic competitors and supports strategies for integrated deterrence. These technology

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insertions will be developed and obtained using available acquisition strategies that include thorough stakeholder analysis to provide well and broadly defined capabilities. Contracting methods depend on the type of development effort. Competitive source selection will be conducted as much as possible but may also leverage Other Transactional Authorities (OTAs) when sensible. Proprietary considerations may direct some effort to the original equipment manufacturer on a sole source basis.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command			Date: March 2023
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
National Systems Support to SOF (NSSS)	MIPR	Various : Various	45.777	3.345	Feb 2022	9.372	Feb 2023	-		-		-	0.000	58.494	-
NSSS Enhanced Situational Awareness (ESA) Increment 1	MIPR	Various : Various	-	-		-		4.277	Dec 2023	-		4.277	Continuing	Continuing	-
NSSS Tactical Target Acquisition (TTA)	MIPR	Various : Various	-	-		-		0.472	Jan 2024	-		0.472	Continuing	Continuing	-
NSSS Signals Intelligence (SIGINT)	MIPR	Various : Various	-	-		-		0.874	Jan 2024	-		0.874	Continuing	Continuing	-
NSSS Geospatial Intelligence (GEOINT)	MIPR	Various : Various	-	-		-		0.200	Dec 2023	-		0.200	Continuing	Continuing	-
NSSS Payload Development/ Integration	MIPR	Various : Various	-	-		-		2.900	Feb 2024	-		2.900	Continuing	Continuing	-
Tactical Video System/ Reconnaissance, Surveillance, & Target Acquisition (TVS/RSTA) Hardware Product Development	C/CPFF	Various : Various	2.210	2.517	Jul 2022	7.248	Mar 2023	7.248	May 2024	-		7.248	Continuing	Continuing	-
Integrated Survey Program (ISP) - Development, Test and Evaluation	C/FFP	Various : Various	3.518	0.748	Jan 2022	0.807	Jan 2023	0.800	Jan 2024	-		0.800	Continuing	Continuing	-
Sensitive Site Exploitation (SSE) Development Rapid Innovative Prototyping	C/FFP	DEFENSEWERX, INC : Niceville, FL	-	-		1.463	Jan 2023	1.527	Jan 2024	-		1.527	Continuing	Continuing	-
SOF Signals Intelligence (SIGINT), Processing, Exploitation, Dissemination (PED), Silent Dagger (SD) Technology Enhancements/Integration	C/FFP	United States Cyber Command (USCYBERCOM) : Fort George G. Meade, MD	-	0.565	Jun 2022	1.120	Apr 2023	1.113	Apr 2024	-		1.113	Continuing	Continuing	-
Small Unmanned Systems (SUMS)	MIPR	Defense Innovation Unit (DIU) : Various	-	-		10.500	May 2023	7.000	Dec 2023	-		7.000	Continuing	Continuing	-
SUMS	MIPR	SOFWERX : Various	-	-		-		2.000	Jan 2024	-		2.000	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command		Date: March 2023
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SUMS	MIPR	National Laboratories : Various	-	-		-		2.000	Jan 2024	-		2.000	Continuing	Continuing	-
Multi-Mission Tactical Unmanned Aerial System (MTUAS)	MIPR	Various : Various	-	-		1.327	Dec 2022	3.119	Nov 2023	-		3.119	Continuing	Continuing	-
MTUAS: Technology Insertion: Communication Navigation , Propulsion, Structures, Autonomy, and Cyber	MIPR	Various : Various	-	-		-		5.619	Nov 2023	-		5.619	Continuing	Continuing	-
MTUAS for Artificial Intelligence for Small Unit Maneuver (AISUM) Autonomy Development Congressional Add	MIPR	Naval Air Warfare Center Aircraft Division : Patuxent River, MD	-	-		5.675	Jul 2023	-		-		-	0.000	5.675	-
MTUAS for AISUM Autonomy Development Congressional Add	MIPR	Defense Logistics Agency Troop Support : Philadelphia, PA	-	-		7.000	Jul 2023	-		-		-	0.000	7.000	-
Classified Programs	TBD	TBD : TBD	87.688	18.457		25.469		30.902		-		30.902	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	176.442	-		-		-		-		-	0.000	176.442	-
Prior Year Funding - Congressional Add	Various	Various : Various	4.200	-		-		-		-		-	0.000	4.200	-
		Subtotal	319.835	25.632		69.981		70.051		-		70.051	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
NSSS - Support	Various	Various : Various	-	-		-		0.660	Aug 2024	-		0.660	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command			Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SUMS - Collaborative Autonomy on Small Unmanned Airborne Systems Artificial Intelligence / Machine Learning	MIPR	Various : Various	-	-		0.338	Feb 2023	0.250	Dec 2023	-		0.250	Continuing	Continuing	-
MTUAS Subject Matter Experts, Test & Evaluation Management, Safety/ Certifications, Ranges, and Test Equipment & Facilities	Various	Various : Various	-	-		3.154	Nov 2022	3.065	Nov 2023	-		3.065	Continuing	Continuing	-
MTUAS for AISUM Autonomy Engineering Project Management, Flight Team, Logistics Congressional Add	MIPR	Naval Air Warfare Center Aircraft Division Flight Support Team : Patuxent River, MD	-	-		0.325	Jul 2023	-		-		-	0.000	0.325	-
Classified Programs	TBD	TBD : TBD	111.380	0.800		1.001		3.067		-		3.067	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	116.844	-		-		-		-		-	0.000	116.844	-
		Subtotal	228.224	0.800		4.818		7.042		-		7.042	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TVS/RSTA - User Assessments Operational Test and Evaluation	MIPR	ATEC : FT Huachuca, AZ	7.398	0.438	Mar 2022	1.472	Feb 2023	1.451	Feb 2024	-		1.451	Continuing	Continuing	-
SOF Planning, Rehearsal and Execution Preparation (SOFPREP) - Prototype Systems (Developmental, Operational, or Live Fire?)	C/FFP	Various : Various	5.006	0.281	Mar 2022	-		-		-		-	0.000	5.287	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command			Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ISP - Test and Evalution	C/CPFF	Various : Various	-	0.049	Jan 2022	0.062	Jan 2023	0.108	Jan 2024	-		0.108	Continuing	Continuing	-
SSE Integrated Operational Test & Evaluation	MIPR	Various : Various	7.456	1.752	Jan 2022	0.492	Jan 2023	0.447	Jan 2024	-		0.447	Continuing	Continuing	-
SUMS Developmental Test and Evaluation Payload Integration	MIPR	John-Hopkins University Affiliated Research Center (UARC) : Laurel, MD	-	-		3.500	May 2023	2.000	Feb 2024	-		2.000	Continuing	Continuing	-
SUMS Developmental Test and Evaluation	MIPR	Various : Various	-	-		-		1.000	Apr 2024	-		1.000	Continuing	Continuing	-
SUMS Operational Test and Evaluation	MIPR	Various : Various	-	-		-		0.399	Apr 2024	-		0.399	Continuing	Continuing	-
MTUAS Developmental Test and Evaluation	Various	Various : Various	-	-		6.454	Nov 2022	-		-		-	0.000	6.454	-
MTUAS - Developmental Test and Evaluation: Modification Contractor Test/ Engineering Investigations (EIs)	MIPR	Various : Various	-	-		-		0.634	Nov 2023	-		0.634	Continuing	Continuing	-
MTUAS - Operational Test and Evaluation: Modifications Test and Improvements	MIPR	Various : Various	-	-		-		0.633	Nov 2023	-		0.633	Continuing	Continuing	-
MTUAS for AISUM Developmental Test and Evaluation for Advanced Sensors Congressional Add	MIPR	Naval Sea Systems Command : John Hopkins University, MD	-	-		1.500	Jul 2023	-		-		-	0.000	1.500	-
MTUAS for AISUM Developmental Test and Evaluation for Various Ranges Congressional Add	MIPR	Various : Various	-	-		0.500	Aug 2023	-		-		-	0.000	0.500	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 United States Special Operations Command			Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Funding - Completed Efforts	Various	Various : Various	50.511	-		-		-		-		-	0.000	50.511	-
Classified Programs	TBD	TBD : TBD	24.764	1.447		1.357		2.972		-		2.972	Continuing	Continuing	-
Prior Year Funding - Congressional Add	Various	Various : Various	2.800	-		-		-		-		-	0.000	2.800	-
		Subtotal	97.935	3.967		15.337		9.644		-		9.644	Continuing	Continuing	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	645.994	30.399		90.136		86.737		-		86.737	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

National Systems Support to SOF (NSSS) Schedule

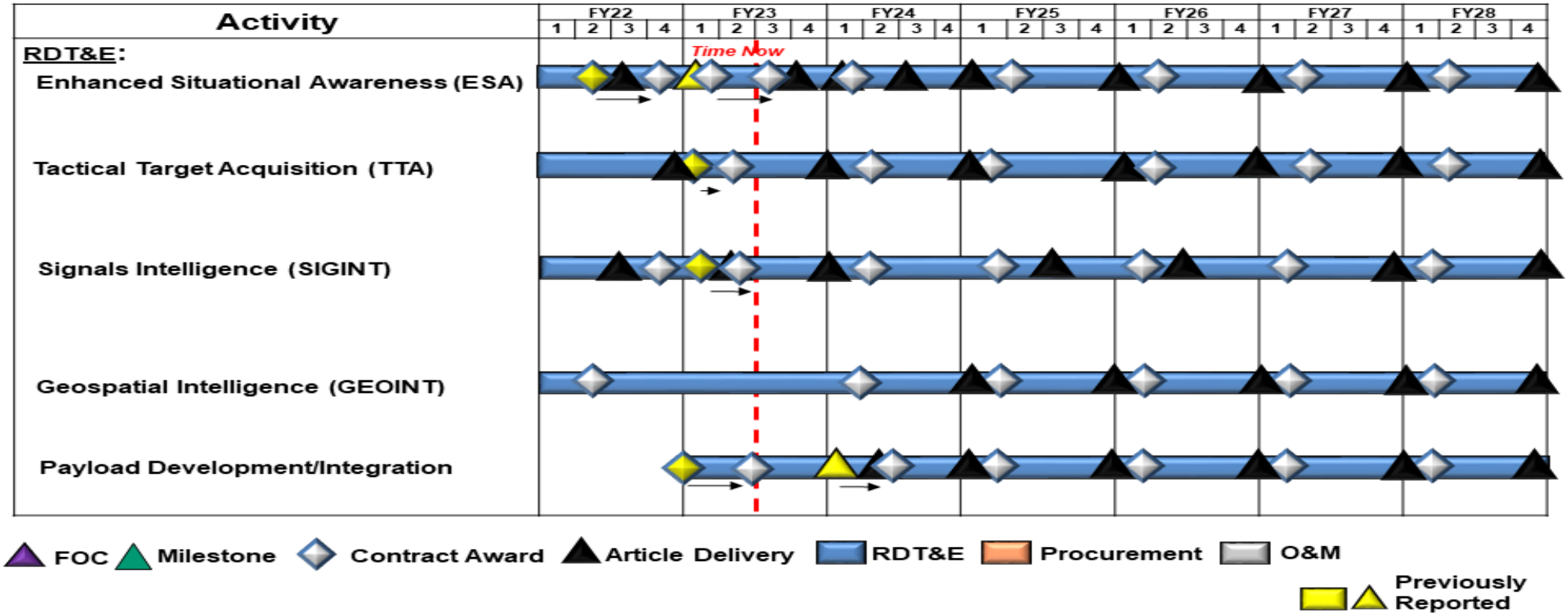


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Special Operations Tactical Video System / Reconnaissance, Surveillance, and Target (TVS/RSTA) Schedule

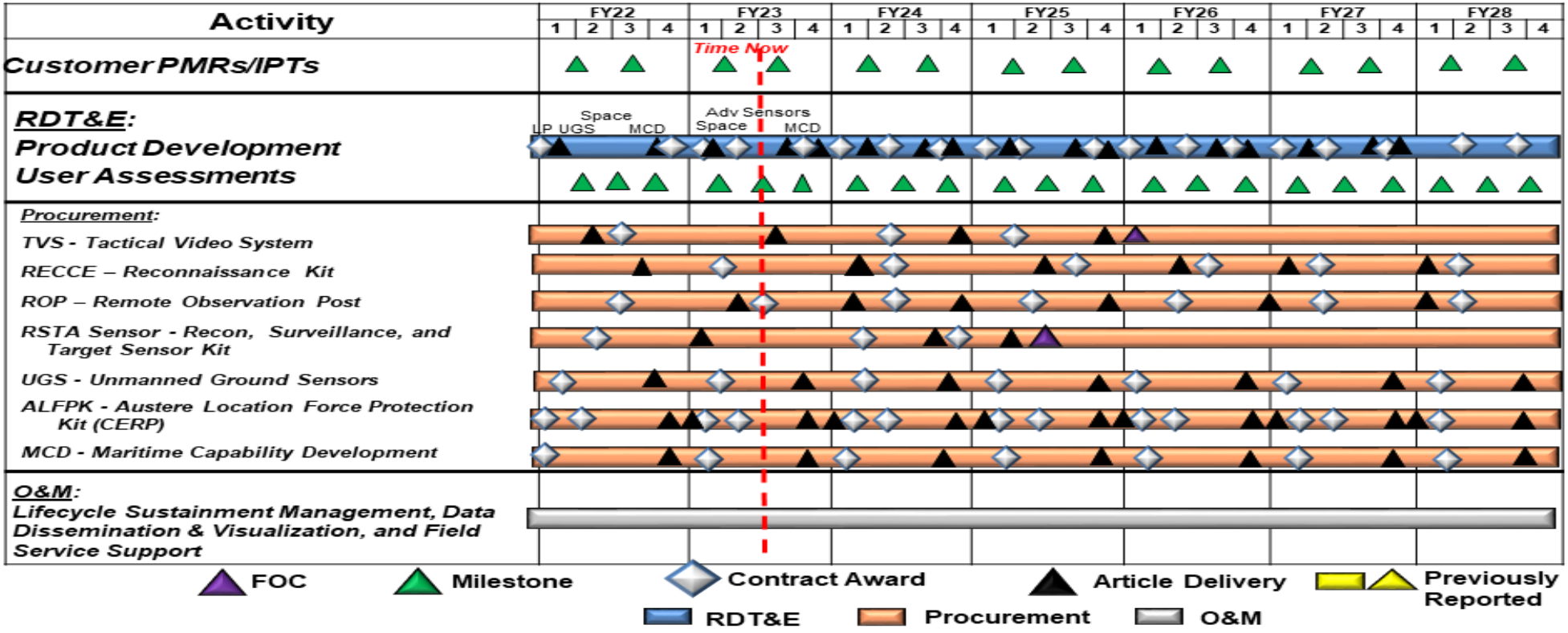


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

SOF Planning, Rehearsal and Execution Preparation (SOFPREP) Schedule

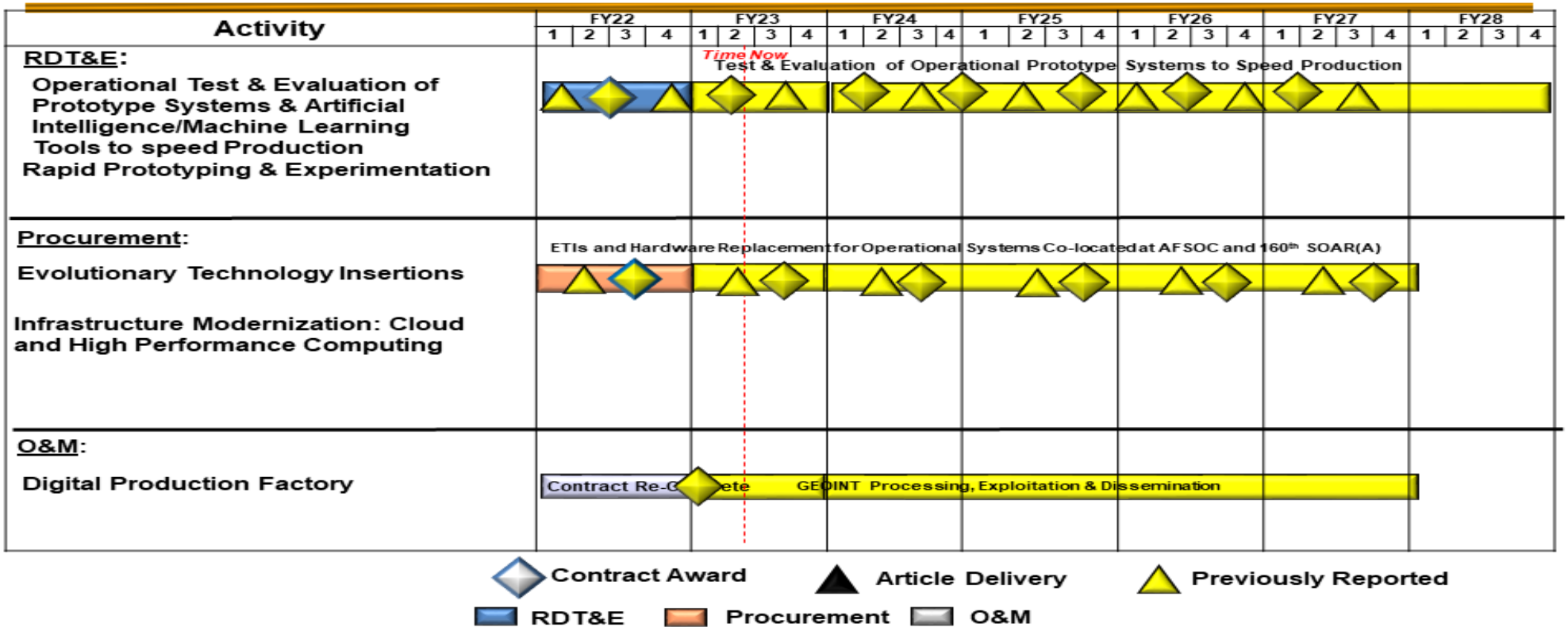


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Integrated Survey Program (ISP)

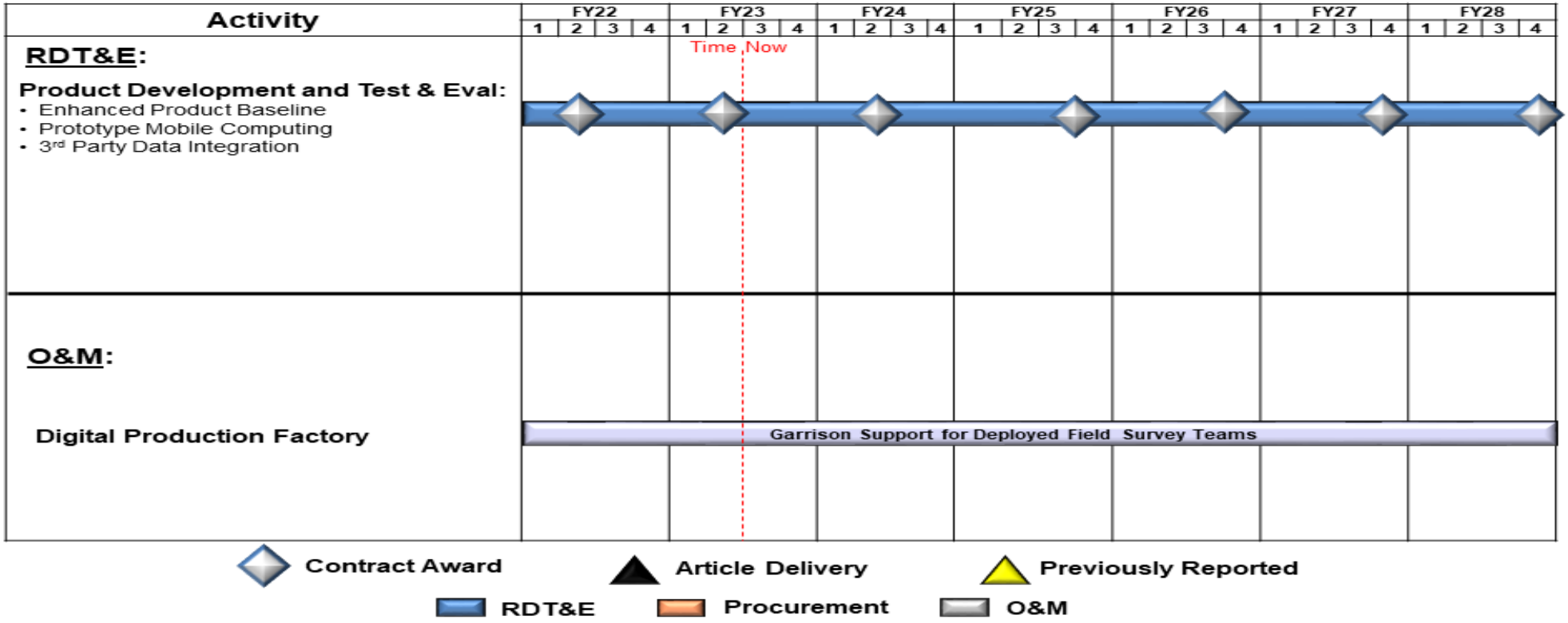


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Sensitive Site Exploitation (SSE) Schedule

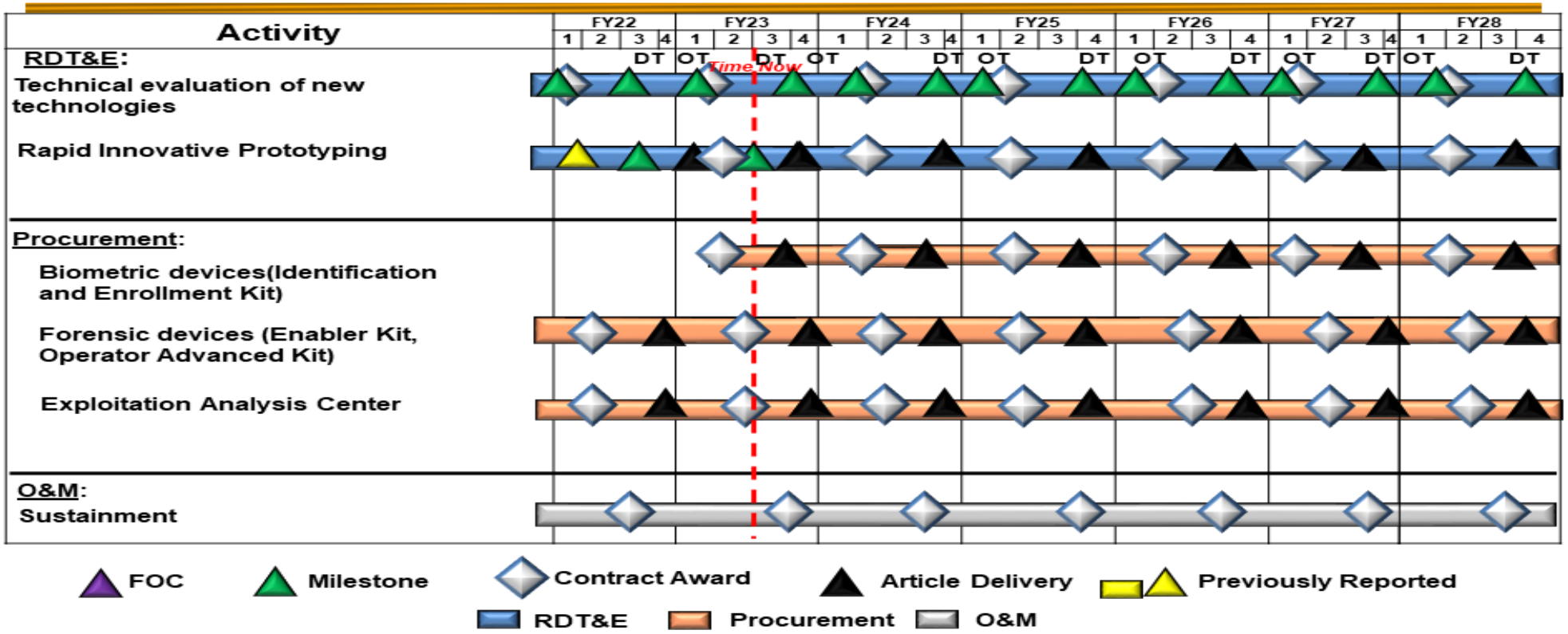
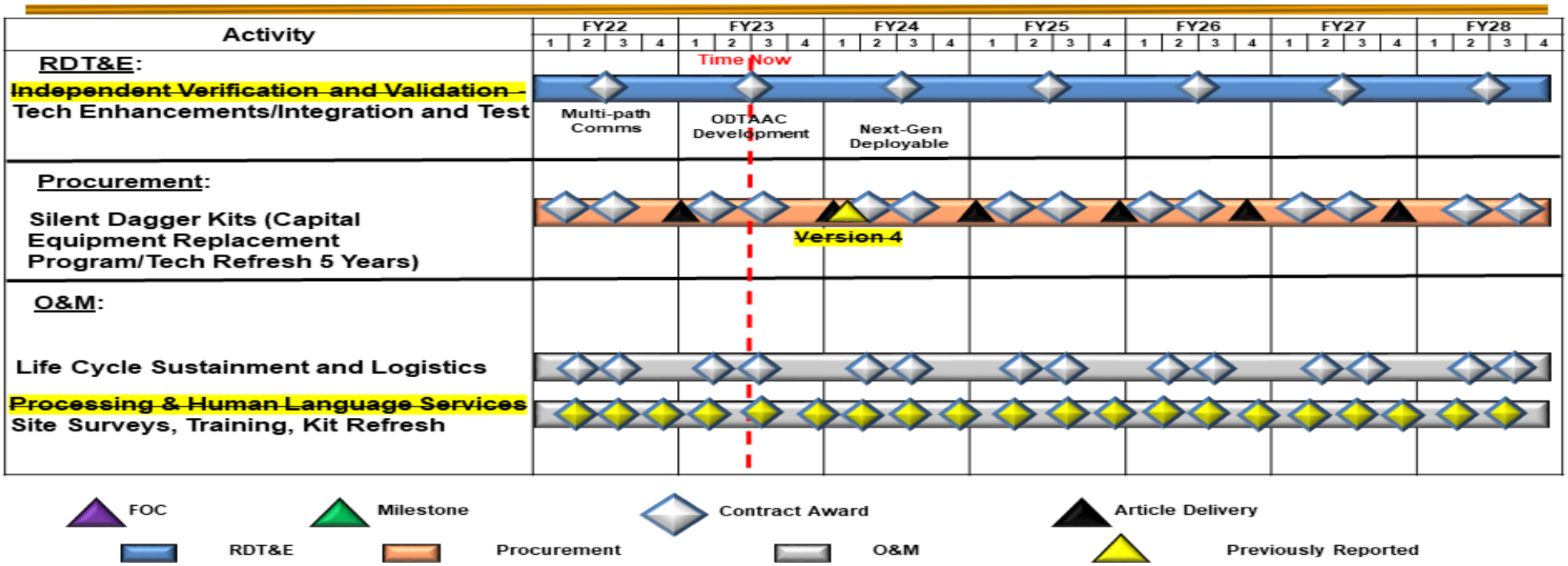


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

SOF Signals Intelligence (SIGINT) Processing Exploitation Dissemination (PED) Silent Dagger (SD) Schedule



SILENTDAGGER performs CERP and tech refresh of system components while tracking system status/system configuration of the components using rigorous configuration management not tracked to a SILENTDAGGER system version.

Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Small Unmanned Systems (SUMS) Schedule

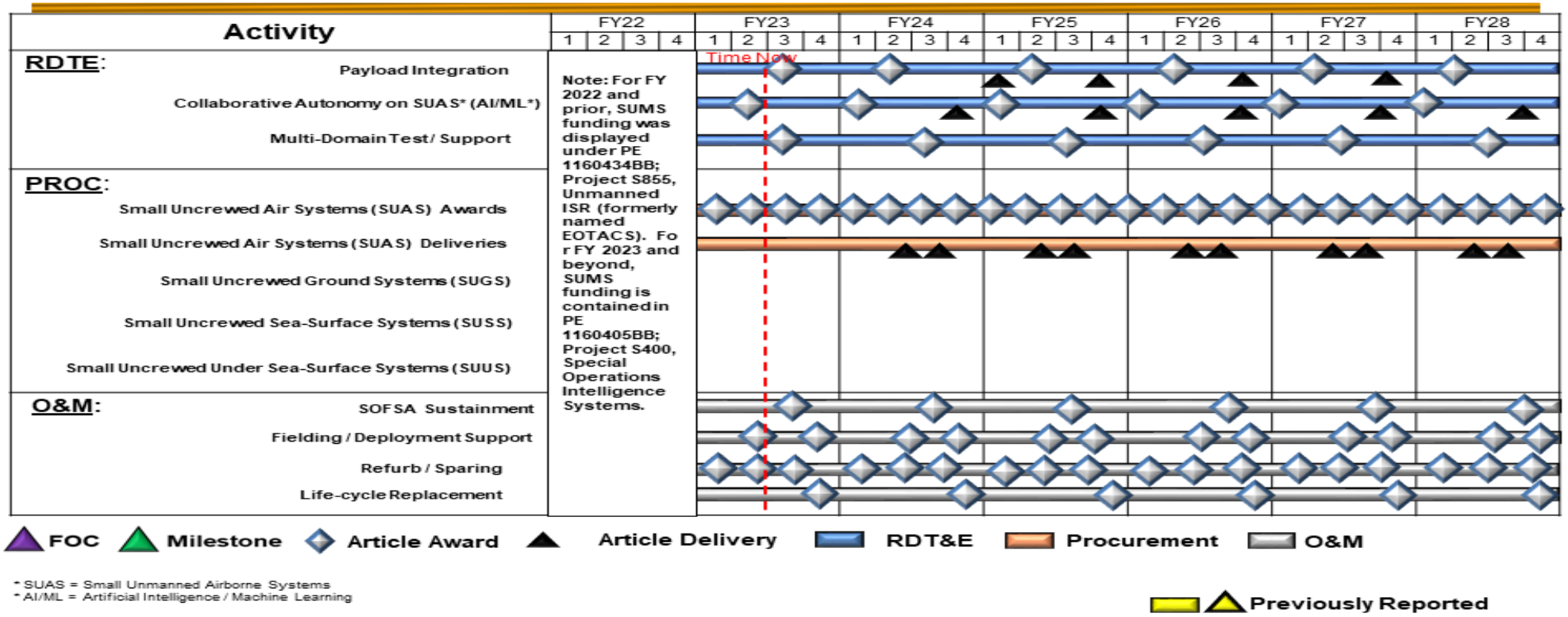


Exhibit R-4, RDT&E Schedule Profile: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Multi-Mission Tactical Unmanned Aerial System (MTUAS) Schedule

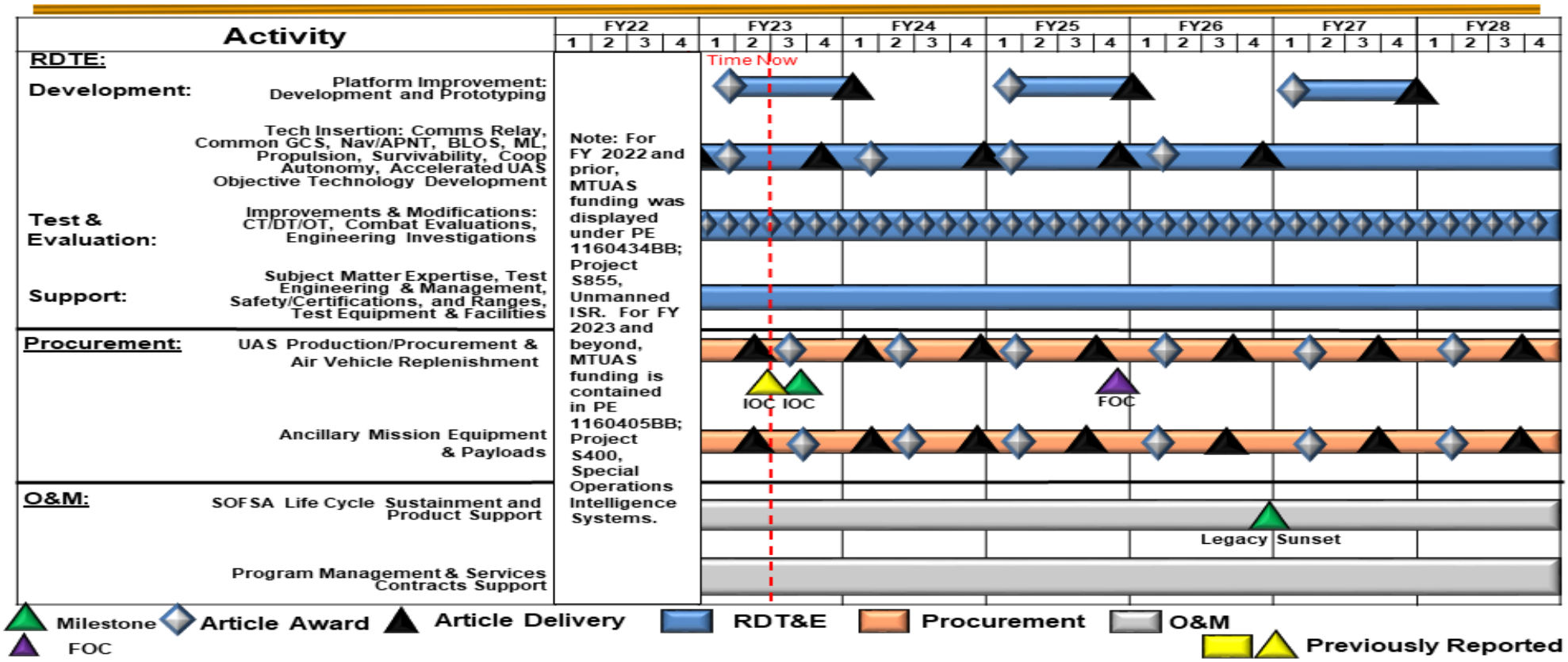


Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
National Systems Support to SOF (NSSS)				
Enhanced Situational Awareness (ESA)	1	2022	4	2028
Tactical Target Acquisition (TTA)	1	2022	4	2028
Signals Intelligence (SIGINT)	1	2022	4	2028
Geospatial Intelligence (GEOINT)	1	2022	4	2028
Payload Development / Integration	1	2023	4	2028
Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)				
Product Development	1	2022	4	2028
User Assessments	1	2022	4	2028
Special Operations Forces Planning, Rehearsal & Execution Preparation (SOFPREP)				
Operational Test and Evaluation of Prototype Systems and Artificial Intelligence/ Machine Learning to speed production	1	2022	4	2022
Rapid Prototyping and Experimentation	1	2022	4	2022
Integrated Survey Program (ISP)				
Product Development, Test and Evaluation	1	2022	4	2028
Sensitive Site Exploitation (SSE)				
Technical evaluation of new technologies	1	2022	4	2028
Rapid Innovative Prototyping	3	2022	3	2023
SOF Signals Intelligence (SIGINT), Processing, Exploitation, Dissemination (PED) Silent Dagger (SD)				
Technology Enhancements/Integration and Test	1	2022	4	2028

Exhibit R-4A, RDT&E Schedule Details: PB 2024 United States Special Operations Command		Date: March 2023
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Small Unmanned Systems (sUMS) {formerly Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS)}				
Payload Integration	1	2023	4	2028
Collaborative Autonomy on Small Unmanned Airborne Systems Artificial Intelligence / Machine Learning	1	2023	4	2028
Multi-Domain Test/Support	1	2023	4	2028
Multi-Mission Tactical Unmanned Aerial System (MTUAS)				
Platform Improvement Development and Prototyping	1	2023	4	2027
Technology Insertion	1	2023	4	2028
Test and Evaluation of Improvements and Modifications	1	2023	4	2028
Support- Subject Matter Expertise	1	2028	4	2028