Department of Defense
Fiscal Year (FY) 2025 Budget Estimates

March 2024

United States Special Operations Command

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Department of Defense
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

Appropriation	FY 2023 Actuals	FY 2024 PB Request with CR Adjustments*	FY 2025 Request
Research, Development, Test and Evaluation, Defense-Wide	1,008,177	1,224,777	1,355,366
Total Research, Development, Test, & Evaluation	**1,008,177**	**1,224,777**	**1,355,366**

*A full-year FY 2024 appropriation for this account was not enacted at the time the budget was prepared; account is operating under the Further Additional Continuing Appropriations and Other Extensions Act, 2024 (Public Law 118-35). The amounts included for FY 2024 reflect the annualized level provided by the continuing resolution.

Department of Defense
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

	FY 2023 Actuals	FY 2024 PB Request with CR Adjustments*	FY 2025 Request
Summary Recap of Budget Activities			
Applied Research	60,762	52,287	50,183
Advanced Technology Development	150,711	156,097	197,767
Operational Systems Development	796,704	1,016,393	1,107,416
Total Research, Development, Test, & Evaluation	**1,008,177**	**1,224,777**	**1,355,366**
Summary Recap of FYDP Programs			
Intelligence and Communications	6,095	6,214	5,854
Special Operations Forces	1,002,082	1,218,563	1,349,512
Total Research, Development, Test, & Evaluation	**1,008,177**	**1,224,777**	**1,355,366**

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Defense-Wide
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

	FY 2023 Actuals	FY 2024 PB Request with CR Adjustments*	FY 2025 Request
Summary Recap of Budget Activities			
Applied Research	60,762	52,287	50,183
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Defense-Wide
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

Appropriation	FY 2023 Actuals	FY 2024 PB Request with CR Adjustments*	FY 2025 Request
U.S., Special Operations Command	1,008,177	1,224,777	1,355,366
Total Research, Development, Test and Evaluation, Defense-Wide	**1,008,177**	**1,224,777**	**1,355,366**

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Defense-Wide
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

Line No	Program Element Number	Item	Act	Sec	FY 2023 Actuals	FY 2024 PB Request with CR Adjustments*	FY 2025 Request
28	1160401BB	SOF Technology Development	02	U	60,762	52,287	50,183
	Applied Research				**60,762**	**52,287**	**50,183**
74	1160402BB	SOF Advanced Technology Development	03	U	150,711	156,097	197,767
	Advanced Technology Development				**150,711**	**156,097**	**197,767**
255	0305208BB	Distributed Common Ground/Surface Systems	07	U	6,095	6,214	5,854
279	1105219BB	MQ-9 UAV	07	U	43,276	37,188	34,851
280	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	07	U	32,550		
281	1160403BB	Aviation Systems	07	U	176,998	216,174	263,712
282	1160405BB	Intelligence Systems Development	07	U	88,700	86,737	81,648
283	1160408BB	Operational Enhancements	07	U	160,274	216,135	206,307
284	1160431BB	Warrior Systems	07	U	151,860	263,374	245,882
285	1160432BB	Special Programs	07	U	499	529	539
286	1160434BB	Unmanned ISR	07	U	3,354	6,727	31,578
287	1160480BB	SOF Tactical Vehicles	07	U	10,542	9,335	9,025
288	1160483BB	Maritime Systems	07	U	109,973	158,231	210,787
289	1160490BB	Operational Enhancements Intelligence	07	U	12,583	15,749	17,233
	Operational Systems Development				**796,704**	**1,016,393**	**1,107,416**

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Defense-Wide
FY 2025 President's Budget
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(Dollars in Thousands)

Mar 2024

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U.S., Special Operations Command
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

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U.S., Special Operations Command
FY 2025 President's Budget
Exhibit R-1 FY 2025 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Mar 2024

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

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Program Element Table of Contents (by Budget Activity then Line Item Number)

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Program Element Table of Contents (Alphabetically by Program Element Title)

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Acronym	Full Naming Convention
A2/AD	Anti-Access/Area Denial
A2E	Adaptive Airborne Enterprise
AA	Air-to-Air
AbMN	Airborne Mission Networking
ACT	AFT Cabin Trainer
ADM	Acquisition Decision Memorandum
AEA	Aviation Engineering Analysis
AFRL	Air Force Research Laboratory
AFSOC	Air Force Special Operations Command
A&FC	Airworthiness and Flight Characteristics
AGMS	Armored Ground Mobility System
AI	Artificial Intelligence
AISR	Airborne Intelligence, Surveillance, Reconnaissance
ALFPK	Austere Location Force Protection Kits
APNT	Alternative Precision Navigation and Timing
AM	Amplitude Modulation
AMN	Airborne Mission Network
AMS	Aviation Management System
AO	Armed Overwatch
APAS	Active Parallel Actuator System
ARSOA	Army Special Operations Aviation
ASE	Aircraft Survivability Equipment
ASIF	All Source Information Fusion
ASR	Advanced Sniper Rifle
ATAC	Asymmetric Target Acquisition Center
ATD	Advanced Technology Demonstration
ATW	Advanced Threat Warning
AvFID	Aviation Foreign Internal Defense
AVS	Air Variant System
AWR	Air Worthiness Release

BAA	Broad Area Announcement
BDP	Broadcast Dissemination Platform
BFT	Blue Force Tracking
BLOS	Beyond Line of Site
BOA	Basic Ordering Agreement
C2	Command and Control
C3	Command, Control, and Communications
C4	Command, Control, Communications, and Computer
C4I	Command, Control, Communications, Computers, and Intelligence
C4IAS	Command, Control, Communications, and Computer Intelligence Automation Systems
CA	Civil Affairs
CAAS	Common Avionics Architecture Systems
CAR	Combat Assault Rifle
CAS	Close Air Support
CASEVAC	Casualty Evacuation
CBA	Cost Benefit Analysis
CBMS	Critical Battery Management System
CCFLIR	Combatant Craft Forward Looking Infrared Radar
CCA	Combatant Craft - Assault
CCH	Combatant Craft - Heavy
CCM	Combatant Craft - Medium
CCME	Combatant Craft Mission Equipment
CDR	Critical Design Review
CDU	Control Display Units
CEM	Collectible Exploitable Material
CERP	Capital Equipment Replacement Program
CFE	Contractor Furnished Equipment
CHMD	Color Helmet Mounted Display
CIO	Chief Information Officer
CIM	Civil Information Management
CIMDPS	Civil Information Management Data Processing System

CIRCM	Common Infrared Countermeasure
CLS	Contractor Logistics Support
CLT	Common Launch Tube
CMNS	Combat Mission Needs Statement
CMS	Combat Mission Simulator
CNVD	Clip-On Night Vision Device
COCO	Contractor Owned Contractor Operated
COCOM	Combatant Command
COD	Correction of Deficiencies
COM	Clip-On-Magnifier
CONUS	Continental United States
COP	Common Operational Picture
COSI	Clip-On Short Wave Infrared Imager
COTI	Clip-On Thermal Imager
COTM	Communications-on-the-Move
COTS	Commercial-Off-The-Shelf
CP	Counter-Proliferation
CPD	Capabilities Production Document
CQC	Close Quarter Combat
CQS	Close Quarter Sight
CT	Counter-Terrorism
CWMD	Countering Weapons of Mass Destruction
CUxS	Counter-Uncrewed Systems
CVEO	Counter Violent Extremist Organization
DACAS	Digital-Aided Close Air Support
DAMS	Distributed Audio Media System
DCGS-SOF	Distributed Common Ground/Surface System--Special Operations Forces
DCM	Defensive Countermeasures
DCS	Dry Combat Submersible
DCU	Data Concentrator Unit
DDS	Dry Deck Shelter

DEWDS	Dedicated Electronic Warfare Display
DI2E	Defense Intelligence Information Environment
DNA	Deoxyribonucleic Acid
DOD	Department of Defense
DRWG	Distributed Common Ground/Surface System Working Group
DT	Developmental Testing
DTU	Data Transfer Unit
DVE	Degraded Visual Environment
DVEPS	Degraded Visual Environment Pilotage System
DWR	Defense Wide Review
DWS	Defensive Weapon System
EAC	Exploitation Analysis Centers
ECM	Electronic Countermeasures
ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EEK	Environmental Enclosure Kits
EGI	Embedded Global Inertial
EGPWS	Enhanced Ground Proximity Warning
ELINT	Electronic Intelligence
EMD	Engineering and Manufacturing Development
ENT/ASIF	Enterprise All Source Information Fusion
EO/IR	Electro-Optical Infrared
EOSS	Electro-Optical Sensor System
EOTACS	Expeditionary Organic Tactical AISR Capability Set
ER	Extended Range
ESA	Enhanced Situational Awareness
ETI	Evolutionary Technology Insertion
EUD	End User Devices
EW	Electronic Warfare
EWFOS	Electronic Warfare Family of Systems

FAA	Federal Aviation Agency
FABS	Fly-Away Broadcast System
FAR	Federal Acquisition Regulation
FADE	Fusion Analysis and Development Effort
FCD	Field Computing Devices
FDWS	Forward Defensive Weapon System
FFRDC	Federally Funded Research Development Center
FFS	Full Flight Simulators
FM	Frequency Modulation
FMV	Full Motion Video
FOC	Full Operational Capability
FoS	Family of Systems
FQT	Functional Qualification Test
FRP	Full Rate Production
FSOV	Family of Special Operations Vehicles
FVL	Future Vertical Lift
FW	Fixed Wing
FY	Fiscal Year
FYDP	Fiscal Year Defense Plan
GATM	Global Air Traffic Management
GCC	Geographical Combatant Commander
GCS	Ground Control Station
GEOINT	Geospatial Intelligence
GFE	Government Furnished Equipment
GIG	Global Information Grid
GMV	Ground Mobility Vehicle
GOCO	Government Owned Contractor Operated
GOPSS	Ground Organic Precision Strike
GOTS	Government-Off-The-Shelf
GPPU	General Purpose Processing Units
GPS	Global Positioning System

GSK	Ground Signals Intelligence Kit
GTR	Gun Training Room
HAIL	Hydro Acoustic Information Link
HAL	Handgun Aiming Laser
HEL	High Energy Laser
HEO	Hyper Enabled Operator
HF	High Frequency
HFIS	Hostile Fire Indicator System
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HRTV	High Resolution Thermal Viewer
HSVTOL	High Speed Vertical Take Off & Landing
IC	Intelligence Community
IDIQ	Indefinite Delivery/Indefinite Quantity
ILS	Integrated Logistics Support
IM	Insensitive Munitions
INOD	Improved Night/Day Observation/Fire Control Device
IOC	Initial Operational Capability
IPN	Installation Processing Node
IR	Infrared
IRAD	Industrial Research and Development
IRCM	Infrared Countermeasures
IRES	Improved Rotary Wing Electro-Optical Sensor
IRSS	Infrared Suppression System
ISIS	Islamic State of Iraq and Syria
ISP	Integrated Survey Plan
ISR	Intelligence, Surveillance and Reconnaissance
ISR&T	Intelligence, Surveillance, Reconnaissance, and Targeting
ISV	Infantry Squad Vehicle
IT	Information Technology
ITMS	Integrated Tactical Mission Systems

JASS	Joint Avionics System Software
JIE	Joint Information Environment
JLTV	Joint Light Tactical Vehicle
JOS	Joint Operational Stocks
JTAC	Joint Terminal Attack Controller
JTWS	Joint Threat Warning System
LAM	Laser Aiming Marker
LCM	Low Cost Modification
LCS	Load Carriage System
LE	Long Endurance (Maritime terms)
LEA	Long Endurance Aircraft
LFT&E	Live Fire Test and Evaluation
LiDAR	Light Detection and Ranging
LMAMS	Lethal Miniature Aerial Munition Systems
LMG	Lightweight Machine Gun
LOS	Line of Sight
LPI/LPD	Low Probability of Intercept/Low Probably of Detection
LRBS	Long Range Broadcast System
LR/LE	Long Range Endurance
LRIP	Low Rate Initial Production
LRPF	Long-Range Precision Fires
LRS	Launch and Recovery System
LRSP	Long Range Sonic Projection
LRU	Line Replaceable Unit
LSDB	Laser--Small Diameter Bomb
LTATV	Lightweight Tactical All-Terrain Vehicle
LWIR	Long-Wave Infrared
MALET	Medium Altitude Long Endurance Tactical
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MANET	Mobile Ad-hoc Networking
MAS	Miniature Aiming Systems

MC/COP	Mission Command/Common Operational Picture
MCE	Military Construction Collateral Equipment
MDA	Milestone Decision Authority
MDO	Multi-domain Operations
MEDEVAC	Medical Evacuation
MELB	Mission Enhanced Little Bird
MEP	Maritime Environmental Protection
MERIT	Military Exploitation of Reconnaissance and Intelligence Technology
MEUAS	Medium Endurance Unmanned Aerial System
MFD	Multi-Function Display
MFP	Major Force Program
MG	Machine Gun
MGO	Machine Gun Optic
MGS	Modular Glove System
MICH	Modular Integrated Communications Helmet
MIP	Military Intelligence Program
MIPR	Military Interdepartmental Purchase Request
MISO	Military Information Support Operations
ML	Machine Learning
MLE	Military Liaison Element
MM-ECM	Multi-Mission Electronic Countermeasures
MMP	Multi-Mission Payload
MMR	Multi-Mode Radar
MOOTW	Military Operations Other than War
MPE	Maritime Precision Engagement
MPE-M	Maritime Precision Engagement-Munitions
MPU	Mission Processor Unit
MRAP	Mine Resistant Ambush Protected (Vehicle)
MRETS	Mission Rehearsal Exercise Training System
MR/ME	Medium Range/Medium Endurance
MS	Milestone

MSE	Maritime Scalable Effects
MSSEP	Mobile SOF Strategic Entry Points
MTA	Middle Tier Acquisition
MTD	Mission Training Devices
MTMN	Maritime Tactical Mission Network
MTPS	Mission Training and Preparation Systems
MTS-B	Multi-Spectral Targeting System--B
MTTE	Maritime Technology Transition and Exploitation
MTUAS	Multi-Mission Tactical Unmanned Aerial System
MWC	Mid-Water Column
MWIR	Mid-Wave Infrared
MWS	Missile Warning System
MYP	Multiyear Procurement
NDI	Non-Developmental Item
NDS	National Defense Strategy
NET	New Equipment Training
NGA	National Geospatial-Intelligence
NGFLIR	Next Generation Forward Looking Infrared Radar
NG CCFLIR	Next Generation Combatant Craft Forward Looking Infrared Radar
NGLS	Next Generation Loud Speakers
NLP	Natural Language Processing
NM	Nautical Mile
NRE	Non-Recurring Engineering
NSAV	Non-Standard Aviation
NSCV	Non-Standard Commercial Vehicle
NSSS	National Systems Support to SOF
NSWC	Naval Surface Warfare Center
NTM	National Technical Means
NVD	Night Vision Devices
OA	Operational Assessment
OAS	Obstacle Avoidance Sonar

OCO	Overseas Contingency Operations
OEM	Original Equipment Manufacturer
OFP	Operational Flight Program
OGA	Other Government Agency
OOC	Overseas Operations Costs
OSA	Operator Situational Awareness
OT	Operational Test
OTA	Other Transaction Authority
OT&E	Operational Test and Evaluation
P3I	Pre-Planned Product Improvement
PAL	Precision Aiming Laser
PCAS	Persistent Close Air Support
PCU	Protective Combat Uniform
PDAS	Power and Data Accessory Suite
PDR	Preliminary Design Review
PE	Program Element
PED	Processing, Exploitation, and Dissemination
PGL	Precision Geo Location
PGM	Precision Guided Munitions
PISA	Predator Integrated Signals Intelligence Architecture
PME	Prime Mission Equipment
POR	Program of Record
PSM	Personal Signature Management
PSP	Precision Strike Package
PTT	Part Task Trainer
P-VPS	Precision-Variable Scope
QL-CBA	Quick-Look Capabilities-Based Assessment
RAA/VAK	Remote Advise and Assist Virtual Accompany Kit
RAL	Ranging Aiming Laser
RAMS	Removable Airborne Military Information Support Operations System
RCI	Rapid Capability Insertion

R&D	Research and Development
RDT&E	Research, Development, Test, and Evaluation
RECCE	Tactical Reconnaissance Kit
RF	Radio Frequency
RFCM	Radio Frequency Countermeasures
RIS	Radio Integration System
ROP	Remote Observation Post
RPA	Remotely Operated Aircraft
RSTA	Reconnaissance, Surveillance, and Targeting Acquisition
R-VPS	Ranging-Variable Scope
RWR	Radar Warning Receiver
RWS	Remote Weapon Station
SA	Surface-to-Air
SAFC	Special Applications for Contingencies
SAPNET	Special Access Program Network
SATCOM	Satellite Communications
SBIR	Small Business Innovative Research
SBUD	Simulator Block Updates
SCE	Special Communications Enterprise
SCO	SOF Cryptologic Operator
SDB	Small Diameter Bomb
SDN	SOF Deployable Node
SDN-EP	SOF Deployable Node--Extension Packages
SDN-H	SOF Deployable Node-Heavy
SDN-L	SOF Deployable Node-Light
SDN-M	SOF Deployable Node-Medium
SDV	Sea, Air, Land (SEAL) Delivery Vehicle
SE	Short Endurance (Maritime terms)
SE	Scalable Effects
SEAL	Sea, Air, Land
SEALION	Sea, Air, Land, Insertion Observation Neutralization

SFAC	Security Forces Assistance Craft
SGIP	SOF Geospatial Intelligence Processing Exploitation and Dissemination
SGM	Small Glide Munition
SIE	Special Operations Forces Information Environment
SIGINT	Signals Intelligence
SIL	System Integration Lab
SIM	Sensor Integration Module
SIP	System Integration Partner
SIRFC	Suite of Integrated Radio Frequency Countermeasures
SKR	Silent Knight Radar
SLAP	Speed Loader Agile Pod
SMRTS	Specialize Multi-Band Radio Transit System
SMS	Special Mission System
SOCOM	Special Operations Command
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOF	Special Operations Forces
SOF CBDIV	Special Operations Forces Combat Diving
SO-p	Special Operations - peculiar
SOFNET	Special Operations Forces Network
SOFPREP	Special Operations Forces Planning, Rehearsal, and Execution Preparation
SOFSA	Special Operations Forces Support Activity
SOI	Signals of Interest
SOMPE	Special Operations Mission Planning and Execution
SOPGM	Standoff Precision Guided Munitions
SoS	System of Systems
SOTF	Special Operations Task Force
SPCOM	Special Communications Field Segment - Enterprise
SPEAR	SOF Personal Equipment Advanced Requirements
SPPN	Special Purpose Processing Node
SM	Scatterable Media
SMU	Special Mission Units

SR	Special Reconnaissance
SR/SE	Short Range/Short Endurance
SRS	Short Range Sensor
SRSP	Short Range Sonic Projection
SRTV	Secure Real-Time Video
SSE	Sensitive Site Exploitation
STAMP	SOCOM Tactical Airborne Multi-Sensor Platform
STC	SOF Tactical Communications
STLD	Small Target Location Devices
STTR	Small Business Technology Transfer
STUAS	Small Tactical Unmanned Aerial Systems
SUAS	Small Unmanned Airborne Systems
SURG	Suppressed Upper Receiver Group
SUSV	SOF Unmanned Surface Vehicle
SUUV	Small Unmanned Underwater Vehicle
S-VPS	Squad-Variable Power Scope
SWAP	Size, Weight and Power
SWCS	Shallow Water Combat Submersible
SWIR	Shortwave Infrared
TACLAN	Tactical Local Area Network
TAK	Tactical Assault Kit
TALOS	Tactical Assault Lightweight Operator Suit
TAS	Threat Awareness System
TCCC	Tactical Combat Casualty Care
TDL	Tactical Data Link
TENCAP	Tactical Exploitation of National Capabilities
TF/TA	Terrain Following/Terrain Avoidance
T&H	Transportation and Handling
TOCNET	Tactical Operations Center
TMN	Tactical (Airborne) Mission Network
TMS	Tactical Mission Systems

TMMR	Technology Maturation and Risk Reduction
TPAN	Tactical Personal Area Networks
TPE	Theater Provided Equipment
TRL	Technology Readiness Level
TSOC	Theater Special Operations Command
TTA	Tactical Target Acquisition
TTV	Team Transportable Variant
TTL	Tagging, Tracking and Locating
TV	Television
TVS/RSTA	Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition
UARC	University Affiliated Research Agreement
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UBA	Underwater Breathing Apparatus
UCME	Undersea Craft Mission Equipment
UDIF	Ultra-Digital Interface
UGS/UMS	Unattended Ground Sensors/Unattended Maritime Sensors
UHF	Ultra-High Frequency
UI	User Interface
URG	Upper Receiver Groups
URG-I	Upper Receiver Groups-Improved
USS	Unmanned Surface Systems
USSOCOM	United States Special Operations Command
UUV	Unmanned Underwater Vehicle
VAK	Virtual Accompany Kits
VAS	Visual Augmentation Systems
VBIED	Vehicle-Borne Improvised Explosive Device
VBL	Visible Bright Light
VBSS	Visit, Board, Search, and Seizure
VHF	Very High Frequency
VTC	Video Teleconferencing

VTOL	Vertical Take Off and Landing
WAN	Wide Area Network
WPAN	Wireless Personal Area Networks

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 2: *Applied Research*	**R-1 Program Element (Number/Name)** PE 1160401BB / *SOF Technology Development*

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	722.278	60.762	52.287	50.183	-	50.183	50.427	53.274	54.269	55.284	Continuing	Continuing
S100: *SOF Technology Development*	722.278	60.762	52.287	50.183	-	50.183	50.427	53.274	54.269	55.284	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element enables the United States Special Operations Command (USSOCOM) to conduct studies and develop laboratory prototypes for applied research and advanced technology development, as well as leverage other organizations' technology projects. Applying small incremental amounts of investments to the Department of Defense (DoD), other government agencies, and commercial organizations allows the USSOCOM to influence the direction of technology development or the schedule against which it is being pursued, and to acquire disruptive solutions and emerging technologies for Special Operations Forces (SOF). This project provides an investment strategy for the USSOCOM to link technology opportunities with capability deficiencies, capability objectives, technology thrust areas, human endurance and sensory performance, and technology development objectives. This investment strategy is aligned to establish future SOF capabilities in support of Joint Warfighting Concepts. This PE received Congressional Adds in FY 2023 for signature management improvements ($4.500 million) and assessment of commercial system ($5.235 million), and Congressional Add funding reprogrammed from Defense Health Agency for Special Operations Traumatic Brain Injury Pilot Program ($4.000 million).

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	58.909	52.287	49.101	-	49.101
Current President's Budget	60.762	52.287	50.183	-	50.183
Total Adjustments	1.853	0.000	1.082	-	1.082
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	4.000	-			
• SBIR/STTR Transfer	-2.147	-			
• Adjustments to Budget Year	-	-	1.082	-	1.082

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S100: *SOF Technology Development*		
Congressional Add: *Signature Management Improvements*	4.336	-
Congressional Add: *Assessment of Commercial Systems*	5.043	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 2: *Applied Research*	**R-1 Program Element (Number/Name)** PE 1160401BB / *SOF Technology Development*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Congressional Add: *Traumatic Brain Injury Pilot Program*	4.000	-
Congressional Add Subtotals for Project: S100	13.379	-
Congressional Add Totals for all Projects	13.379	-

Change Summary Explanation

Funding:

FY 2023: Net increase of $1.853 million. $4.000 million increase, reprogrammed from Defense Health Agency for Special Operations Traumatic Brain Injury Pilot Program. $2.147 million decrease, SBIR/STTR.

FY 2024: None.

FY 2025: Increase of $1.082 million is in line with the USSOCOM's modernization efforts and guidance to increase funding in Applied Research in the areas of collaborative processes, edge computing, data experimentation, and data fusion, as well as continued advancements in information operations and electronic warfare technologies. Funding enables four to five additional analytically focused efforts with small and or non-traditional businesses who are exploring truly disruptive technologies.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 1160401BB / *SOF Technology Development*	Project (Number/Name) S100 / *SOF Technology Development*	

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
S100: *SOF Technology Development*	722.278	60.762	52.287	50.183	-	50.183	50.427	53.274	54.269	55.284	Continuing	Continuing

A. Mission Description and Budget Item Justification

This project conducts studies and develops laboratory prototypes for applied research and advanced technology developments and leverages other organizations' technology projects. Small incremental co-investments with the Department of Defense (DoD), other government agencies, and commercial organizations allow the United States Special Operations Command (USSOCOM) to influence the schedule and direction of technology developments, emerging technologies, and capabilities for Special Operations Forces (SOF), with significant economies of investment. This USSOCOM investment strategy is used to link technology opportunities with capability deficiencies, capability objectives, technology thrust areas, and technology objectives through key stakeholder relationships with the DoD and government technology developers. Technology development needs in these areas may be advertised to industry and government research and development agencies via agency announcements and calls for white papers.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: SOF Technology Development	43.372	48.027	45.838
Description: This project conducts studies and develops laboratory prototypes for applied research and advanced technology developments and leverages other organizations' technology projects. This project will continue to exploit and integrate emerging technologies to enable SOF to conduct assigned military responsibilities and expand in support of integrated deterrence. Increases focus on scalable and precision effects, particularly effects that are non-kinetic; capitalizes on commercial and government discoveries in data and analytics; explores future emplacement and access opportunities, sensor and sensor fusion technology, and biotechnologies and human performance capabilities. This project also funds experimentation and concept development to equip the future SOF warfighter. Based upon agreed technology maturity metrics, transfer successful projects into advanced technology development and/or programs of record.			
FY 2024 Plans: Continue ongoing technology development projects in areas such as, but not limited to: enabling power technologies; electromagnetic spectrum; data analytics; signature reduction technologies; high data-rate throughput; and advances in lightweight materials. Advance technologies for combat medical equipment, biotechnologies, tactics, human performance, sensors, information sources, and processing improvements, improve human-machine interfaces and displays, identify SO-peculiar (SO-p) specific machine learning/artificial intelligence, and secure communications. Based upon agreed technology			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 2	**R-1 Program Element (Number/Name)** PE 1160401BB / *SOF Technology Development*	**Project (Number/Name)** S100 / *SOF Technology Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
maturity metrics, transfer successful projects into programs of record. Continue the integration of critical technologies focused on providing the dismounted special operator leap-ahead capabilities via innovative collaborative processes. ***FY 2025 Plans:*** Continues ongoing technology development projects in areas such as, but not limited to: advances in lightweight materials, technologies for combat medical equipment, human performance, sensors, information to create effects, improved human-machine interfaces and displays, capability specific machine learning/artificial intelligence algorithms, and secure communications. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $2.189 million is due to funding made available to support critical emergent command requirements.			
Title: Classified Project ***Description:*** Classified Project (provided under separate cover). ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:*** Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details for increase of $0.085 million will be provided under separate cover. This project is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.	4.011	4.260	4.345
Accomplishments/Planned Programs Subtotals	47.383	52.287	50.183

	FY 2023	FY 2024
Congressional Add: Signature Management Improvements ***FY 2023 Accomplishments:*** This effort funded the fabrication of initial small uncrewed aerial systems (sUAS) prototypes based on design work completed under an FY 2022 Congressional Add. The sUAS will be a purpose-built, government-owned uncrewed platform with the payload, range, speed and survivability required by the USSOCOM operators to complete their mission.	4.336	-
Congressional Add: Assessment of Commercial Systems ***FY 2023 Accomplishments:*** Identified and characterized capability enablers such as digital twins, synthetic virtual and constructive simulations, range and operator sensor instrumentation, secure network and “quantum-	5.043	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 2	**R-1 Program Element (Number/Name)** PE 1160401BB / *SOF Technology Development*	**Project (Number/Name)** S100 / *SOF Technology Development*

	FY 2023	FY 2024
safe" protocols and Internet of Things device integration and tracking for potential inclusion and incorporation into Counter Access Systems and Platform Evaluation Range (CASPER).		
Congressional Add: Traumatic Brain Injury Pilot Program ***FY 2023 Accomplishments:*** This effort funded a study which will evaluate short-term and long-term clinical outcomes in Special Operations Forces in an intensive one-week holistic evaluation program that offers a comprehensive assessment and world class treatment of post-traumatic stress, traumatic brain injury, and other brain injuries.	4.000	-
Congressional Adds Subtotals	13.379	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 3: *Advanced Technology Development (ATD)*	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*

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	1,718.232	150.711	156.097	197.767	-	197.767	156.925	173.447	138.960	157.267	Continuing	Continuing
S200: *Advanced Technology Development*	1,606.266	127.317	129.741	178.011	-	178.011	136.664	152.669	117.456	135.192	Continuing	Continuing
SF101: *Engineering Analysis*	111.966	23.394	26.356	19.756	-	19.756	20.261	20.778	21.504	22.075	Continuing	Continuing

A. Mission Description and Budget Item Justification

Advanced Technology Development (Project S200) conducts rapid prototyping and Advanced Technology Demonstrations (ATDs). ATDs provide a means for evaluating the utility of emerging/advanced technologies in operationally relevant environments with Special Operations forces (SOF) users. Evaluation results are included in a transition package, which assists in the initiation of or insertion into an acquisition program. ATDs also address projects that are a result of unique joint special mission or area-specific needs for which a few-of-a-kind prototypes must be developed on a rapid response basis, or of sufficient time sensitivity to accelerate the prototyping effort of a normal acquisition program in any phase. The ATD investment strategy is aligned to establish future SOF capability in support of Joint Warfighting Concepts. This project received Congressional Adds in FY 2023: identity threat mitigation and force protection initiative ($17.000 million); C-130J autonomous capabilities ($7.000 million); gesture control integration project ($5.000 million); uncrewed aerial systems electronic deception ($1.500 million); global data analytics and visualization ($8.000 million); and Next Gen ISR SOF Enhancement ($7.000 million).

Engineering Analysis (Project SF101) provides rapid response capability for the investigation, evaluation, and demonstration of technologies for SOF platform (ground, air, and maritime) and soldier system-unique requirements. Timely application of SO-peculiar technology is critical and necessary to meet requirements in such areas as: sensor integration; enhanced situational awareness; near-real-time intelligence to include data fusion; threat detection and avoidance; electronic support measures for threat geo-location and specific emitter identification; navigation; target detection; weapon performance integration; and future SOF platform and soldier system requirements. This project provides additional engineering analysis and testing required to transition items from national forces to theater forces.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	148.062	156.097	155.005	-	155.005
Current President's Budget	150.711	156.097	197.767	-	197.767
Total Adjustments	2.649	0.000	42.762	-	42.762
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	8.309	-			
• SBIR/STTR Transfer	-5.660	-			
• Adjustments to Budget Year	-	-	42.762	-	42.762

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 3: *Advanced Technology Development (ATD)*	**R-1 Program Element (Number/Name)** PE 1160402BB *I SOF Advanced Technology Development*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S200: *Advanced Technology Development*		
Congressional Add: *Identity Threat Mitigation and Force Protection Initiative*	15.593	-
Congressional Add: *C-130J Autonomous Capabilities*	7.000	-
Congressional Add: *Gesture Control Integration Project*	5.000	-
Congressional Add: *Unmanned Aerial Systems Electronic Deception*	1.500	-
Congressional Add: *Global Data Analytics and Visualization*	8.000	-
Congressional Add: *Next Gen ISR SOF Enhancement*	6.744	-
Congressional Add Subtotals for Project: S200	43.837	-
Congressional Add Totals for all Projects	43.837	-

Change Summary Explanation

Funding:

FY 2023: Net increase of $2.649 million. Increase due to Congressional Add for funding for Next Generation ISR SOF enhancements reprogrammed from Warrior System, PE 1160431BB ($7.000 million); increase for emerging Command requirements of ($1.309 million). Decrease of $5.660 million is due to a reprogramming of funds to the congressionally mandated Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) programs.

FY 2024: None.

FY 2025: Increase of $42.762 million is due to Command driven modernization efforts to provide the Department of Defense with capabilities to win in future conflicts, including additional funds for the High Speed Vertical Takeoff and Landing (HSVTOL) engineering development effort initiated in FY 2024.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 1160402BB / *SOF Advanced Technology Development*	Project (Number/Name) S200 / *Advanced Technology Development*	

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
S200: *Advanced Technology Development*	1,606.266	127.317	129.741	178.011	-	178.011	136.664	152.669	117.456	135.192	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for rapid prototyping, Advanced Technology Demonstrations (ATDs) and Joint Capability Technology Demonstrations. It is a means for demonstrating and evaluating the utility of emerging/advanced technologies in operationally relevant environments with Special Operations Forces (SOF) users. This project integrates disruptive solutions and emerging technologies and then presents them in technology demonstrations, in conjunction with joint experiments and other assessment events. Evaluation results often facilitate the initiation of new programs and the insertion of appropriate technologies to acquisition programs. This project leverages key stakeholder relationships with the Department of Defense and government technology developers to address unique, joint special mission or area-specific needs for which a few rapid prototypes must be developed on a responsive basis, or of sufficient time sensitivity to accelerate prototyping efforts of a normal acquisition program in any phase.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: SOF Special Technology Project	76.223	86.924	78.918
Description: This project integrates emerging technologies and presents them in technology demonstrations, in conjunction with joint experiments and other assessment events. This project will continue to exploit and integrate emerging technologies to enable SOF to conduct assigned military responsibilities and expand in support of integrated deterrence. Also funds technical field experimentation to equip the future SOF warfighter. Based upon agreed technology maturity metrics, transfers successful projects into programs of record, and conducts field experimentations at various venues to facilitate technology insertion.			
FY 2024 Plans: Continue the development and insertion of technology into existing programs. Technologies include but are not limited to: reduced signature profiles; next generation effects; assured communications; command and control systems; machine learning / artificial intelligence (ML/AI); sensors; information sources; emplacement and access; situational awareness tools; revolutionary materials; power and energy enablers; and technologies that reduce the load of the operator. Continue development of technologies supporting undersea, ground and air mobility. Evaluate and develop opportunities to leverage the electromagnetic spectrum to meet operational requirements. Continue the integration of critical technologies focused on providing the dismounted special operator with leap-ahead capabilities via innovative collaborative processes. Continue to develop sensors, surveillance, network and data management technology to provide tactically relevant situational awareness at the point of need. Continue effort for field prototype system incorporating technologies likely to transition to fielded systems. Based upon agreed technology maturity metrics, transfer successful projects into programs of record, and conduct field experimentations at various venues to facilitate			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** S200 / *Advanced Technology Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
technology insertion. Continue the United States Special Operations Command (USSOCOM) focus on modernization supporting advanced technology development. ***FY 2025 Plans:*** Continues the development and insertion of technology into existing programs. Technologies include but are not limited to: scalable and precision effects; command and control systems; capability specific machine learning/artificial intelligence algorithms; sensors; multi-domain emplacement and access; situational awareness tools; and technologies that reduce the load of the operator. Continues development of field prototypes incorporating technologies likely to transition to fielded systems, supporting the United States Special Operations Command focus on modernization. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $8.006 million is due to funding made available to support critical emergent command requirements.			
Title: USSOCOM Rapid Defense Experimentation Reserve (RDER) Projects ***Description:*** Funds USSOCOM RDER projects via SecDef process. USSOCOM RDER projects accelerate technology from prototypes to validated joint SOF and SOF/Conventional Forces military capabilities to support operations in highly contested environments. USSOCOM RDER projects are 12-24 month efforts focused on fast iterations of prototyping between technologists and warfighters through experimentation. ***FY 2024 Plans:*** Begin the USSOCOM Rapid Defense Experimentation Reserve development and experimentation efforts. Initiate SOF Targeting to prototype and experiment with Hostile Forces Tagging, Tracking, and Locating (HF-TTL) in this mission space for potential transition to the HF-TTL Program of Record ($10 million). ***FY 2025 Plans:*** Continue USSOCOM Rapid Defense Experimentation Reserved development and experimentation efforts. Initiate Open Sensor Hub to demonstrate an open source, open standards framework for US/Partner Nation interoperability of sensors, platforms, control systems in an operationally relevant environment for potential transition to Mission Command Systems/Common Operational Picture (MCS/COP) Program of Record ($10 million). Open Sensor Hub leverages commercial software developed through a USSOCOM Small Business Innovation Research project for intelligence surveillance and reconnaissance applications. Initiate Unmanned Maritime Deployment to demonstrate use of small, unmanned surface/undersea platforms with common/ open architectures and flexible payloads to deliver disruptive capabilities and effects in near-term/future operations with a focus on littoral environments ($9 million). Project will be US Navy led and transitioned but will prototype and experiment with joint warfighting capabilities among USSOCOM, US Navy and US Marine Corps. Funds will support the SOF-unique aspects of	-	10.000	19.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** S200 / *Advanced Technology Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
prototyping and experimentation. Open Sensor Hub and Unmanned Maritime Deployment projects were approved and budgeted as FY 2025 RDER projects in 1QFY24. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $9.000 million is due to USSOCOM Rapid Defense Experimentation Reserve development efforts as stated in the RDER FY 2025 Base Plans.			
Title: High Speed Vertical Takeoff and Landing (HSVTOL) ***Description:*** In conjunction with Defense Advanced Research Projects Agency, the HSVTOL supports the development and demonstration of agile and responsive air mobility capabilities to support runway independent operations, increased speed of maneuverability, and to provide the ability to penetrate anti-access (A2)/anti-denial (AD) environments. ***FY 2024 Plans:*** Begin efforts focused on early engineering activities for a HSVTOL demonstration platform and risk reduction of critical technologies such as materials, propulsion and flight controls. ***FY 2025 Plans:*** Continues efforts focused on engineering activities geared towards design activities for the HSVTOL demonstration platform. This includes preliminary and detailed design, development, analysis, modeling and simulation, and system / subsystem verification of various engineering disciplines such as avionics, electrical, structural, propulsion, aerodynamics, and survivability, amongst other engineering disciplines. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $47.150 million funds competitive down-selected vendors to mature their conceptual designs, accelerate preliminary design activities and develop enabling HSVTOL technologies. Supports another down-select in FY25 for advancing to detailed design. Supports planned initial demonstration of next-generation VTOL capabilities required to close requirement gaps in an A2AD penetration and contested logistics.	-	25.000	72.150
Title: Classified Sub-Project ***Description:*** Classified Sub-Project (provided under separate cover). ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:***	7.257	7.817	7.943

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** S200 / *Advanced Technology Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details for increase of $0.126 million provided under separate cover. Sub-project is reported in accordance with Title 10, United States Code, Section 119(a)(1), in the Special Access Program Annual Report to Congress.			
Accomplishments/Planned Programs Subtotals	83.480	129.741	178.011

	FY 2023	FY 2024
Congressional Add: Identity Threat Mitigation and Force Protection Initiative	15.593	-
FY 2023 Accomplishments: This effort funded the continued development of Identity Threat Mitigation Systems for integration into the SOF Digital Ecosystem. Capabilities developed under this effort provided enhanced identity protection and monitoring capabilities, incorporated new data sources, and enhanced data fusion and display methods. Software-intensive Identity Threat Mitigation systems managed in accordance with agile methodologies and best practices.		
Congressional Add: C-130J Autonomous Capabilities	7.000	-
FY 2023 Accomplishments: This effort funded the development, integration and demonstration of automation and reduced flight deck crew workload on a C-130J platform. Capabilities developed under this effort provided elevated mission capabilities, extended operational time of the aircraft, increased safety for flight crews, and significantly cut down on costs by reducing aircrew.		
Congressional Add: Gesture Control Integration Project	5.000	-
FY 2023 Accomplishments: This effort funded the development of wearable gesture control technology that is agnostic to drone hardware, enhanced interoperability, and compressed the sensor-to-shooter workflow in a “mosaic warfare” environment.		
Congressional Add: Unmanned Aerial Systems Electronic Deception	1.500	-
FY 2023 Accomplishments: This effort funded the fabrication of initial small unmanned aerial systems (sUAS) prototypes based on design work completed under an FY 2022 plus-up. The sUAS is a purpose-built, Government-owned uncrewed platform with the payload, range, speed and survivability required by the USSOCOM operators to complete their mission.		
Congressional Add: Global Data Analytics and Visualization	8.000	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** S200 / *Advanced Technology Development*

	FY 2023	FY 2024
FY 2023 Accomplishments: This effort funded the integration of university-led supply chain analytics with open source, commercial, government and local contributor data to provide a supply-chain decision support capability at the tactical and operational level.		
Congressional Add: Next Gen ISR SOF Enhancement ***FY 2023 Accomplishments:*** This effort funded the development for an ability to utilize gesture control for much of the situational awareness and robotic programs for SOF. The effort will introduce the potential to integrate humans and machines and the interoperability of the systems, human-machine, and supports increased speed in command, control, communications, and information throughput with systems/networks of platforms, payloads, sensors, and data.	6.744	-
Congressional Adds Subtotals	43.837	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 1160402BB / *SOF Advanced Technology Development*	Project (Number/Name) SF101 / *Engineering Analysis*	

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
SF101: *Engineering Analysis*	111.966	23.394	26.356	19.756	-	19.756	20.261	20.778	21.504	22.075	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides a rapid response capability to support Special Operations Forces (SOF) programs and capabilities across the enterprise. The purpose is to correct system deficiencies, improve asset life, and enhance mission capability through the means of feasibility studies, analysis of alternatives, pre-developmental risk reduction studies, and engineering analyses. This project provides the engineering required to improve the design and performance integrity of the SOF equipment and software and to integrate disruptive “off-the-shelf” technologies to meet current and emergent capability gaps. This project also conducts risk reduction studies, analyses, and demonstrations to support emerging, time-critical equipment, weapons, and sensor enhancements.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: National to Theater Engineering Analysis	2.280	2.431	2.480
Description: Provides additional engineering analysis and testing required to transition items from national forces to theater forces. ***FY 2024 Plans:*** Continue additional testing and evaluation required on various equipment items such as communications, intelligence, weapons, and operator protection planned for transition to SOF Theater Forces. ***FY 2025 Plans:*** Continues additional testing and evaluation required on various equipment items such as communications, intelligence, weapons, and operator protection planned for transition to SOF Theater Forces. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.049 million supports additional testing and evaluation required on various equipment items.			
Title: Engineering Analysis	17.400	19.925	13.276
Description: Funding supports the development of rapid response capabilities to support SOF platform and soldier systems. Supports technology development to correct system deficiencies, improve platform asset life, and enhance mission capabilities. Supports engineering assessments and evaluation of technology feasibility, producibility, and integration into SOF specific equipment. Supports engineering analysis activities to address platform survivability such as signature management, situational awareness, and versatile mission equipment (payloads, communications, and weapons) to achieve SOF mission objectives. Prioritizes insertion of emergent technology into programs of record in a timely manner.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** SF101 / *Engineering Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Continue to assess concepts and prototypes that provide increased capability of SOF mobility platforms to include improvements to meet emerging threats. Assess and evaluate advanced methods to deliver next generation effects. Identify, assess, and evaluate improved network and data management systems that incorporate significant improvements to operate in contested environments, systems that improve situational awareness on the battlefield, and disruptive technologies to enable Intelligence, Surveillance, and Reconnaissance (ISR) in future environments. Continue to assess materials, concepts, and prototypes to increase operator effectiveness and situational awareness in all environments. Continue engineering analysis activities to improve SOF platform mission survivability. Activities include signature management (acoustic, infrared, radio frequency), situational awareness with full spectrum threat warning and countermeasures, and versatile mission equipment (payloads, communications, and weapons) to improve SOF survivability in less than permissive operating environments. ***FY 2025 Plans:*** Continue to assess concepts and prototypes that provide increased capability of SOF mobility platforms to include improvements to meet emerging threats. Assesses and evaluates advanced methods to deliver scalable and precision effects. Identifies, assess, and evaluates improved network and data management systems that incorporate significant improvements to operate in contested environments, systems that improve situational awareness on the battlefield, and disruptive technologies to enable ISR in future environments. Continues to assess materials, concepts, and prototypes to increase operator effectiveness and situational awareness in all environments. Continues engineering analysis activities to improve SOF platform mission survivability. Activities include signature management (acoustic, infrared, radio frequency), situational awareness with full spectrum threat warning and countermeasures, and versatile mission equipment (payloads, communications, and weapons) to improve SOF survivability in less than permissive operating environments. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $6.649 million is due to funding made available to support critical emergent command requirements.			
Title: Experimentation Force ***Description:*** Funding supports the integration of technology with operational vignette-based experiments designed to stimulate innovative applications across all domains addressing SOF specific modernization needs. ***FY 2024 Plans:*** Continue the development of innovative concepts, conducts experimentation to develop hyper-enabled teams capable of conducting globally integrated special operations across all domains. ***FY 2025 Plans:*** Continue the development of innovative concepts, conducts experimentation to develop hyper-enabled teams capable of	3.714	4.000	4.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 3	**R-1 Program Element (Number/Name)** PE 1160402BB / *SOF Advanced Technology Development*	**Project (Number/Name)** SF101 / *Engineering Analysis*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
conducting globally integrated special operations across all domains and identifies opportunities to insert technology to mitigate SOF specific operational capability gaps.			
Accomplishments/Planned Programs Subtotals	23.394	26.356	19.756

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305208BB / *Distributed Common Ground/Surface Systems*

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	73.345	6.095	6.214	5.854	-	5.854	6.066	6.187	6.311	6.437	Continuing	Continuing
S400A: *Distributed Common Ground/Surface Systems*	73.345	6.095	6.214	5.854	-	5.854	6.066	6.187	6.311	6.437	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element is part of the Military Intelligence Program (MIP). The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) is part of a family of systems providing rapid fielding of Intelligence, Surveillance, and Reconnaissance (ISR) Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Combatant Commands (COCOM), Component/Theater Special Operations Commands (TSOC) level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighters, analysts, and sensors to find and fix high value targets and provides a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with SOF and between the services, national intelligence agencies, COCOMs, and multi-national partners. The DCGS-SOF connects SOF warfighters and analysts with essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The two components of DCGS-SOF are Enterprise/All Source Information Fusion (ENT/ASIF) and SOF Geospatial Intelligence Processing, Exploitation, and Dissemination (SGIP). The ENT/ASIF provides infrastructure, processing, and intelligence analytical tools for worldwide SOF intelligence information sharing via a globally connected cloud based architecture as well as a forward disconnected capability. The SGIP provides capabilities in garrison and deployed environments for the PED of crewed and uncrewed sensors.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	6.095	6.214	5.854	-	5.854
Current President's Budget	6.095	6.214	5.854	-	5.854
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

Funding:

FY 2023: None.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305208BB *I Distributed Common Ground/Surface Systems*

FY 2024: None.

FY 2025: None

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305208BB / *Distributed Common Gro und/Surface Systems*	Project (Number/Name) S400A / *Distributed Common Ground/ Surface Systems*	

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
S400A: *Distributed Common Ground/Surface Systems*	73.345	6.095	6.214	5.854	-	5.854	6.066	6.187	6.311	6.437	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is part of the Military Intelligence Program (MIP). The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) is part of a family of systems providing rapid fielding of Intelligence, Surveillance, and Reconnaissance (ISR) Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Combatant Commands (COCOM), Component/Theater Special Operations Commands (TSOC) level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighters, analysts, and sensors to find and fix high value targets and provides a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with SOF and between the Services, national intelligence agencies, COCOMs and multi-national partners. The DCGS-SOF connects SOF warfighters and analysts with the essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The two components of DCGS-SOF are Enterprise/All Source Information Fusion (ENT/ASIF) and SOF Geospatial Intelligence Processing, Exploitation, and Dissemination (SGIP). The ENT/ASIF provides infrastructure, processing, and intelligence analytical tools for worldwide SOF intelligence information sharing via a globally connected cloud based architecture as well as a forward disconnected capability. The SGIP provides capabilities in garrison and deployed environments for the PED of crewed and uncrewed sensors.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: DCGS-SOF, Program Number 837	6.095	6.214	5.854
Description: The DCGS-SOF is composed of two major components: Enterprise/ASIF and SGIP. The DCGS-SOF develops and integrates SOF hardware and software networks that provide the United States Special Operations Command (USSOCOM) with unique decision capabilities to include: measurement and signature data; sensor exploitation; data compressions and man-portable workstations. The DCGS-SOF provides the supporting architecture to link the Global Sensor Network to those who will interpret the data for rapid transmission to collaborative partners via the SOF Information Environment (SIE).			
FY 2024 Plans: Provide technical integration of software tools and interoperability for data ingress/egress within the software acquisition pathway's agile practice for ASIF analysts. Continue technology development, integration of emerging technologies, software solutions and capabilities enhancements for DCGS-SOF ENT/ASIF requirements including but not limited to: advanced analytics; User Interfaces (UI); cloud computing; machine learning; and disconnected operations capability. Continue technology development, testing and integration of emerging technologies for SGIP. Continue DCGS-SOF support training, Limited Objective Events, and exercise participation to test integration of emerging technologies and obtain user feedback of items in development.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305208BB / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** S400A / *Distributed Common Ground/ Surface Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continues to provide capability releases, value assessments within the software acquisition pathway's agile practice for Intel analysts. Continues technology enhancements and integration of emerging technologies, for DCGS-SOF requirements including but not limited to: machine learning, artificial intelligence advancements. Continues exercise and limited objective test events and obtaining user feedback of items in development. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.360 million to support critical emergent Command requirements, reducing ENT/ASIF technology enhancements and integration.			
Accomplishments/Planned Programs Subtotals	6.095	6.214	5.854

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/020401INTL: *Distributed Common Ground/Surface System*	2.214	5.718	3.918	-	3.918	3.037	3.952	4.031	4.112	Continuing	Continuing

Remarks

D. Acquisition Strategy

The DCGS-SOF ENT/ASIF employs the software acquisition pathway to facilitate rapid and iterative delivery of operational software to meet dynamic SOF requirements. DCGS-SOF leverages SOF programs, Department of Defense (DoD) and Intelligence Community partners, national labs, and other government agencies to integrate Commercial Off The Shelf/Government Off The Shelf, hardware and software solutions, and other mature technologies into the Program of Record which will reside partially within the SOF Information Enterprise combined with Web-Client tools in a global cloud. These alliances enable more agile access to (searchable, discoverable) and sharing of larger data domains and services to meet SO-peculiar, documented requirements. The technology allows for seamless integration and federation with DoD, Interagency, and Coalition tactical Intelligence, Surveillance, and Reconnaissance (ISR) PED systems. The USSOCOM employs an agile software development process with capability insertions into the development baseline for assessment and future deployment into the operational baseline. All development requirements are prioritized through the DCGS-SOF USER Group chaired by the USSOCOM. Once approved, the requirements are evaluated and scheduled by engineering development teams. Using this methodology allows capabilities to be inserted in a fast and agile manner based on user requirements and priorities. All Technology Insertions (TIs) contained in the subsequent Exhibit R-4, RDT&E Schedule Profile, are based on current projections. As requirements evolve, based on the DCGS-SOF Working Group decisions, the TI and version capabilities identified are subject to change.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305208BB / *Distributed Common Gro und/Surface Systems*	**Project (Number/Name)** S400A / *Distributed Common Ground/ Surface Systems*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Enterprise / All Source Information Fusion (ENT/ ASIF) - Technology Enhancements and Integration	Various	Various : Various	21.139	4.015	Jan 2023	3.453	Mar 2024	3.093	Mar 2025	-		3.093	Continuing	Continuing	-
SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP) - Machine Learning and Artificial Intelligence Advancements	Various	Various : Various	21.090	1.070	Jan 2023	1.000	Apr 2024	1.000	Apr 2025	-		1.000	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	5.553	-		-		-		-		-	0.000	5.553	-
		Subtotal	47.782	5.085		4.453		4.093		-		4.093	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
(ENT/ASIF) Program Support	C/FFP	Various : Various	9.307	0.750	Jul 2023	1.500	Jun 2024	1.500	Jun 2025	-		1.500	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	0.576	-		-		-		-		-	0.000	0.576	-
		Subtotal	9.883	0.750		1.500		1.500		-		1.500	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ENT/ASIF/SGIP Exercise & Limited Objective	MIPR	Various : Various	2.878	0.260	Oct 2022	0.261	Feb 2024	0.261	Feb 2025	-		0.261	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305208BB / *Distributed Common Ground/Surface Systems*	Project (Number/Name) S400A / *Distributed Common Ground/ Surface Systems*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test Events															
Prior Year Funding - Completed Efforts	Various	Various : Various	12.802	-		-		-		-		-	0.000	12.802	-
		Subtotal	15.680	0.260		0.261		0.261		-		0.261	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	73.345	6.095		6.214		5.854		-		5.854	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305208BB / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** S400A / *Distributed Common Ground/Surface Systems*

Distributed Common Ground/Surface System-Special Operations Forces (DCGS-SOF) Schedule

*DCGS-SOF schedule is a consolidation of Special Operations Forces Enterprise/All Source Information Fusion (ENT/ASIF) and Special Operations Forces Geospatial Intelligence Imagery Processing, Exploitation and Dissemination (SGIP) schedules.

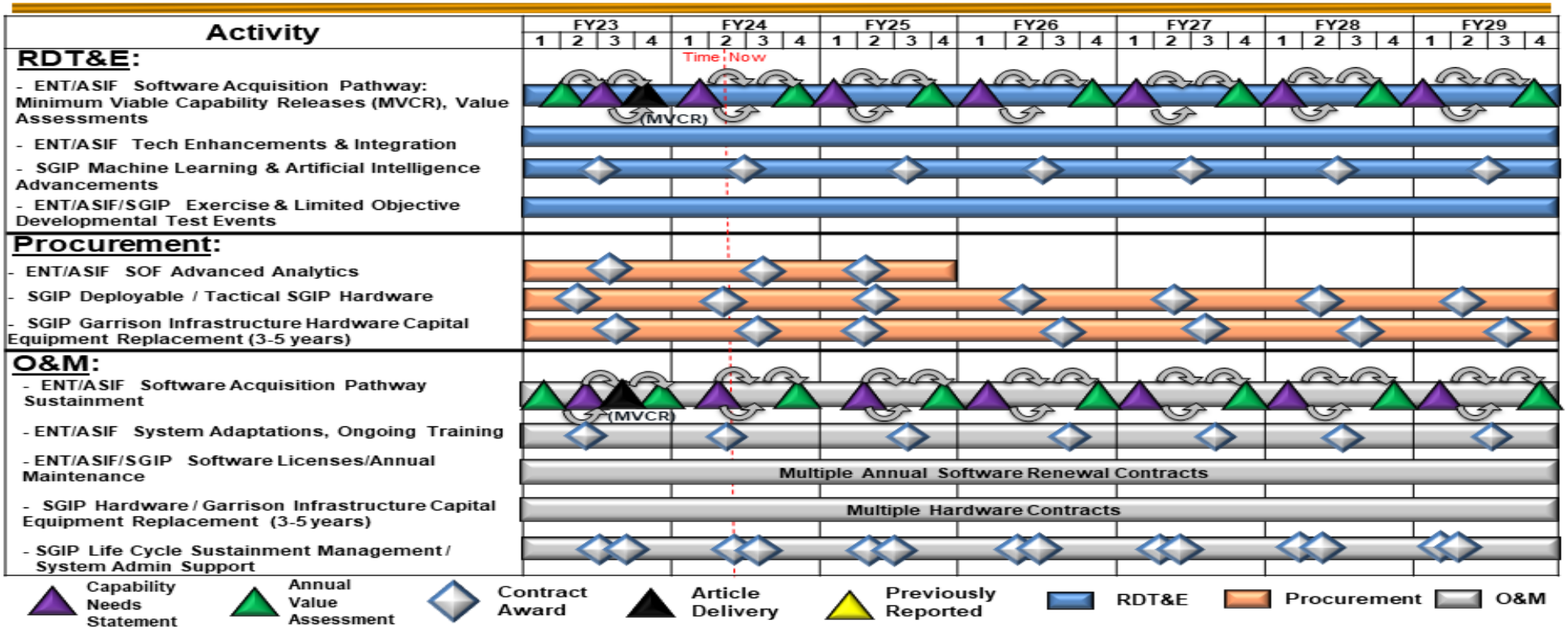


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305208BB / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** S400A / *Distributed Common Ground/ Surface Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Distributed Common Ground/Surface System-Special Operations Forces (DCGS-SOF)				
Enterprise / All Source Information Fusion (ENT/ASIF) Software Acquisition Pathway: Minimum Viable Capability Releases (MVCR) , Value Assessments	1	2023	4	2029
ENT/ASIF Technology Enhancements & Integration	1	2023	4	2029
SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP) Machine Learning and Artificial Intelligence Advancements	1	2023	4	2029
ENT/ASIF/SGIP Exercise & Limited Objective Developmental Test Events	1	2023	4	2029

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*

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	232.287	43.276	37.188	34.851	-	34.851	-	-	-	-	Continuing	Continuing
S851: *MQ-9 Unmanned Aerial Vehicle (UAV)*	232.287	43.276	37.188	34.851	-	34.851	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) identifies, develops, rapidly prototypes, integrates, and tests Special Operations (SO)-peculiar mission kits, mission payloads, weapons, and modifications on MQ-9 Unmanned Aerial Vehicles (UAVs), Ground Control Stations (GCSs), and training systems as a component of the Medium Altitude Long Endurance Tactical (MALET) program. The United States Special Operations Command (USSOCOM) is designated as the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks. The USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This program element addresses the primary areas of Intelligence, Surveillance, Reconnaissance, and Target Acquisition and Strike. This PE received Congressional Adds in FY 2023 for lightweight open architecture pod ($7.500 million) and to support Adaptive Airborne Enterprise ($5.840 million).

Beginning in FY 2026, MQ-9 RDT&E funding has transitioned to PE 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development, to support the acceleration of the A2E concept.

The total cost of the MQ-9 Middle Tier of Acquisition effort is $310.606 million, including RDT&E and procurement of prototype units. The MQ-9 is fully funded across the Future Years Defense Program.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	27.340	37.188	44.851	-	44.851
Current President's Budget	43.276	37.188	34.851	-	34.851
Total Adjustments	15.936	0.000	-10.000	-	-10.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	16.934	-			
• SBIR/STTR Transfer	-0.998	-			
• Adjustments to Budget Year	-	-	-10.000	-	-10.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1105219BB *I MQ-9 Unmanned Aerial Vehicle (UAV)*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S851: *MQ-9 Unmanned Aerial Vehicle (UAV)*		
Congressional Add: *Lightweight Open Architecture Pod*	7.226	-
Congressional Add Subtotals for Project: S851	7.226	-
Congressional Add Totals for all Projects	7.226	-

Change Summary Explanation

Funding:

FY 2023: Net increase of $15.936 million is due to reprogramming of funds to the congressionally mandated Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) programs (-$0.998 million) and an Adaptive Airborne Enterprise (A2E) increase to establish the System Integration Lab and the Modular Open-system Architecture capability ($16.934 million).

FY 2024: None.

FY 2025: Net decrease of $10.000 million is due to transition of Adaptive Airborne Enterprise (A2E) funds to PE 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development. This supports the development of the Modular Open-system Architecture, collaborative environments that facilitate integration and fielding of Special Operation peculiar capabilities and enhance long-range strike.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	Project (Number/Name) S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*	

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
S851: *MQ-9 Unmanned Aerial Vehicle (UAV)*	232.287	43.276	37.188	34.851	-	34.851	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

As the supported Combatant Command in global operations, the United States Special Operations Command (USSOCOM) requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This project addresses the primary areas of Intelligence, Surveillance, Reconnaissance, and Target Acquisition and Strike. The majority of the developmental funds provides for the Operational Flight Program (OFP) Software for the aircraft, Ground Control Station (GCS), and turret. Special Operations-peculiar (SO-p) modifications to the OFP allow for a rapid integration of emerging capabilities in order to maintain relevance and dominance of the MQ-9 in support of the 2022 National Defense Strategy (NDS).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: MQ-9 Unmanned Aerial Vehicles (UAVs), Program Number 839	36.050	37.188	34.851
Description: Identifies, develops, integrates, and tests SO-p mission kits, mission payloads, weapons, and modifications on MQ-9 UAS, GCSs, and training systems. ***FY 2024 Plans:*** Develop, test, and integrate SO-p emerging technology mission kits, mission payloads, weapons and modifications onto the MQ-9 aircraft. This includes Adaptive Airborne Enterprise (A2E), GCSs, turrets, and training systems; additionally, facilitate integration of SO-p weapons and sensors. ***FY 2025 Plans:*** Continues to develop, test, and integrate SO-p emerging technology mission kits, mission payloads, weapons and modifications onto the MQ-9 aircraft for UAS, GSCs, and training systems. The MQ-9 platform is a key airborne enabler and provides a pathway for A2E capabilities. Enhanced capabilities (i.e., Pods and software) are being developed to continue to evolve the MQ-9 and meet current operation requirements and while also providing foundational capabilities to meet initial A2E needs. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Net decrease of $2.337 million; $10.000 million decrease is due to transition of A2E capability funds to PE 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development and $7.663 million increase supports further development of modifications on MQ-9 UAS, GCSs, and training systems.			
Accomplishments/Planned Programs Subtotals	36.050	37.188	34.851

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	**Project (Number/Name)** S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*

	FY 2023	FY 2024
Congressional Add: Lightweight Open Architecture Pod	7.226	-
FY 2023 Accomplishments: Supported development of the Adaptive Airborne Enterprise (A2E) concept, which includes the MQ-9 Weapon System. These efforts will include integration of a Modular Open-System Architecture (MOSA) and collaboration environments that facilitate a more efficient and expeditious integration and fielding of SO-p capabilities.		
Congressional Adds Subtotals	7.226	-

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/1108MQ9: *MQ-9 Unmanned Aerial Vehicle*	14.000	17.684	19.583	-	19.583	25.990	48.439	46.500	47.430	Continuing	Continuing

Remarks

D. Acquisition Strategy

MQ-9 UAV implements an agile acquisition approach for the MQ-9 aircraft, GCS and Electro-Optical/Infrared (EO/IR) turret sensor and OFP software development. The MQ-9 UAV provides rapid prototyping activities and technology maturation events in order to increase first pass lethality. Contract types include a mix of cost type and fixed priced. Proprietary issues with the aircraft, GCS and sensor software as well as aircraft modification may require sole source contracting to the original equipment manufacturer. MQ-9 UAV leverages service common Contractor Logistics Support (CLS) contracts for aircraft and ancillary equipment sustainment. The MQ-9 program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in Department of Defense (DoD) Directive 5143.01, and guidance in DoD instruction 5000.80.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	**Project (Number/Name)** S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 Unmanned Aerial Vehicles (UAVs), Ground Control Stations (GCS), and Training Systems	SS/ Various	General Atomics Aeronautical Services : San Diego, CA	125.631	12.116	Feb 2023	18.340	Nov 2023	25.851	Nov 2024	-		25.851	Continuing	Continuing	-
MQ-9 UAVs, GCS, and Training Systems	SS/ Various	Raytheon : McKinney, TX	15.550	1.000	Feb 2023	6.000	Nov 2023	7.000	Nov 2024	-		7.000	Continuing	Continuing	-
Adaptive Airborne Enterprise (A2E)	SS/ Various	General Atomics Aeronautical Services : San Diego, CA	-	16.934	Apr 2024	9.848	Nov 2023	-		-		-	Continuing	Continuing	-
Lightweight Open Architecture Pod (Congressional Add)	SS/CPFF	General Atomics : Poway, CA	-	4.363	Jul 2023	-		-		-		-	Continuing	Continuing	-
Prior Years Completed Projects - Base	Various	Various : Various	15.671	-		-		-		-		-	0.000	15.671	-
Prior Years Completed Projects - Congressional Adds	Various	Various : Various	32.009	-		-		-		-		-	0.000	32.009	-
		Subtotal	188.861	34.413		34.188		32.851		-		32.851	Continuing	Continuing	N/A

Remarks

Indefinite Delivery, Indefinite Quantity (IDIQ) contract awards every two years for MQ-9 UAVs, Ground Control Stations, and Training Systems.
FY 2023: $16.934 million increase to establish A2E system Integration laboratory (SIL) and further maturation of the A2E Modular Open-System Architecture (MOSA) capability.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 UAVs, GCS, and Training Systems Developmental Test and Evaluation (T&E)	SS/ Various	General Atomics Aeronautical Services : San Diego, CA	27.741	3.000	Feb 2023	1.500	Feb 2024	-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	Project (Number/Name) S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*	

Test and Evaluation ($ in Millions)

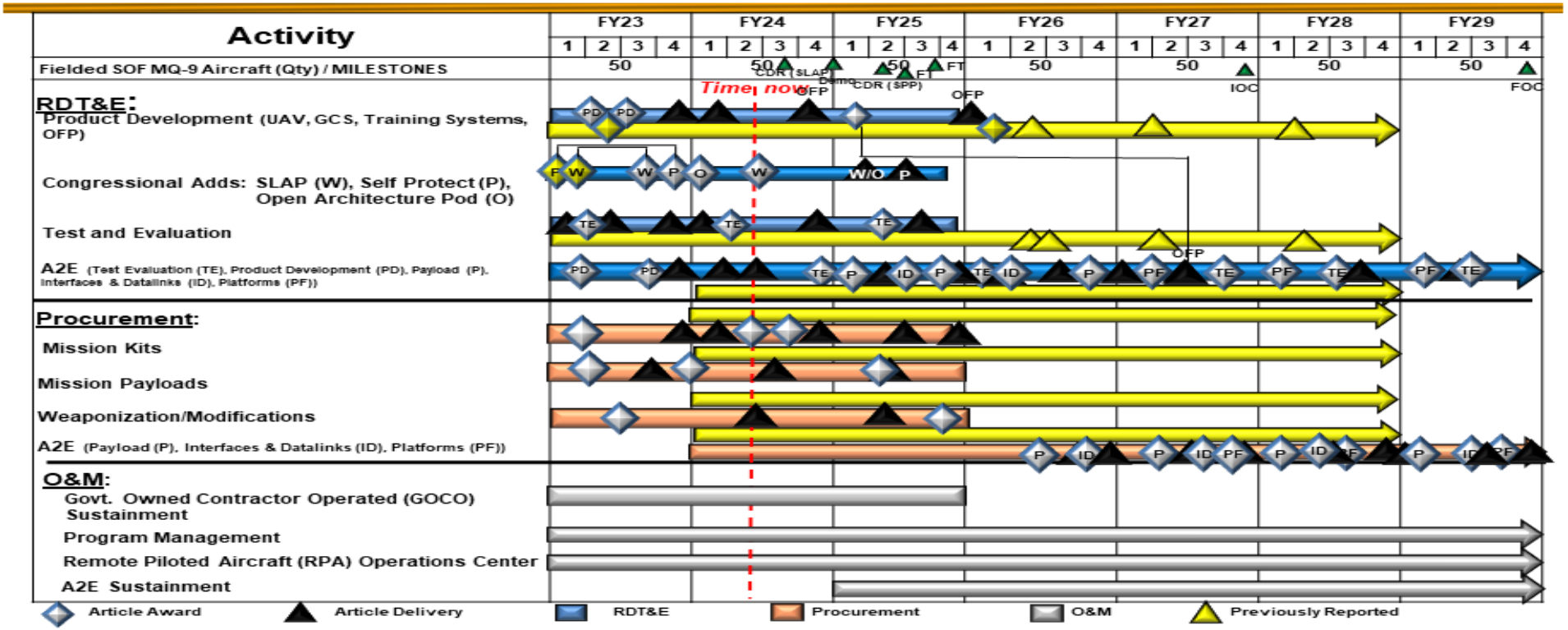
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MQ-9 UAVs, GCS, and Training Systems Live Fire T&E	SS/ Various	General Atomics Aeronautical Services : San Diego, CA	-	3.000	Sep 2023	1.500	Feb 2024	2.000	Feb 2025	-		2.000	Continuing	Continuing	-
Lightweight Open Architecture Pod Developmental T&E (Congressional Add)	SS/TBD	General Atomics : Poway, CA	-	2.863	Jul 2023	-		-		-		-	Continuing	Continuing	-
Prior Years Completed Projects - Base	Various	Various : Various	5.300	-		-		-		-		-	0.000	5.300	-
Prior Years Completed Projects - Congressional Adds	Various	Various : Various	10.385	-		-		-		-		-	0.000	10.385	-
		Subtotal	43.426	8.863		3.000		2.000		-		2.000	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	232.287	43.276		37.188		34.851		-		34.851	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	**Project (Number/Name)** S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*

MALET – MQ9 & A2E Schedule



The RDT&E and Procurement A2E schedule activities are identified in both MQ-9 UAV program schedule as well as the A2E Congressional brief program schedule.

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1105219BB / *MQ-9 Unmanned Aerial Vehicle (UAV)*	**Project (Number/Name)** S851 / *MQ-9 Unmanned Aerial Vehicle (UAV)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
MQ-9 Unmanned Aerial Vehicles (UAVs)				
Operational Flight Program (OFP) Software (SW)	1	2023	4	2025
Electro-optical/Infrared (EO/IR) SW	1	2023	4	2025
Special Operations Forces-peculiar (SOF-p) Mission Kits/Payloads/Mods	1	2023	4	2025
Speed Loader Agile Pods (Congressional Adds)	1	2023	3	2025
Self Protection Pods (Congressional Adds)	1	2023	3	2025
Lightweight Open Architecture Pod (Congressional Adds)	1	2023	3	2025
Test and Evaluation	1	2023	4	2025
Adaptive Airborne Enterprise	1	2023	4	2024

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*

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	345.085	32.550	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing
S050: *Small Business Innovation Research*	322.477	28.537	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing
S051: *Small Business Technology Transfer*	22.608	4.013	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) implements 15 U.S.C Section 638 to maximize the creative innovative, entrepreneurial spirit of small businesses to solve technological problems. The goals of the Small Business Innovation Research (SBIR) program are to stimulate technological innovation, increase private sector commercialization of federal research and development (R&D), increase small business participation in federally funded R&D, and foster participation by minority and disadvantaged firms in technological innovation. Leveraging the innovation of small business concerns is an important contributor to the development of the cutting-edge technologies that will generate decisive and sustained U.S. military advantages by increasing the readiness, modernization, and lethality of the United States Special Operations Command (USSOCOM). This program supports high priority projects within the USSOCOM Components, their missions, and the Warfighter. The goal of the Small Business Technology Transfer (STTR) program is to stimulate a partnership of ideas between small business concerns (SBCs) and research institutions through the USSOCOM funded research or research and development (R/R&D). By providing awards to SBCs or cooperative R/R&D efforts with research institutions, the USSOCOM supports innovation and economic growth to generate decisive and sustained U.S. military advantages. This program supports high priority projects within the USSOCOM Components, their missions, and the Warfighter.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	32.550	0.000	0.000	-	0.000
Total Adjustments	32.550	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	32.550	-			

Change Summary Explanation

Funding:

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160279BB *I Small Business Innovation Research/Small Bus Tech Transfer*

FY 2023: Net increase of $32.550 million is due to reprogrammings from various program elements for the congressionally mandated SBIR ($28.537 million) and STTR ($4.013 million) programs.

FY 2024: None.

FY 2025: None.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	Project (Number/Name) S050 / *Small Business Innovation Research*	

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
S050: *Small Business Innovation Research*	322.477	28.537	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The goals of the Small Business Innovation Research (SBIR) program are to stimulate technological innovation, increase private sector commercialization of federal research and development (R&D), increase small business participation in federally funded R&D, and foster participation by minority and disadvantaged firms in technological innovation. Leveraging the innovation of small business concerns is an important contributor to the development of the cutting-edge technologies that will generate decisive and sustained U.S. military advantages by increasing the readiness, modernization, and lethality of the United States Special Operations Command (USSOCOM). This program supports high priority projects within the USSOCOM Components, their missions, and the Warfighter.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Small Business Innovation Research (SBIR)	28.537	0.000	0.000
FY 2024 Plans: • Multi-Domain Communications and Computing (estimated funding, $9.600 million): Family of Special Operations Vehicles system and automation modernization; High performance multi-platform sensor computing; Hokkien Low Density Language Capability. • Scalable and Precision Effects (estimated funding, $10.600 million): Out of band tracker, multi-function beacon; Automated Target Recognition for rapid multi-target grouping; Electronic Embedded Glass; Precision guided cruise missile. • Battle Space Awareness (estimated funding, $8.332 million): Analyzing Narrative evolution across social media; radio location tracker, waveform development.			
FY 2025 Plans: • Multi-Domain Communications and Computing (estimated funding, $9.600 million): Family of Special Operations Vehicles system and automation modernization. • Scalable and Precision Effects (estimated funding, $22.500 million): Visual Augmentation Systems; High energy batteries; contested and out of band tracker; Slim Form Cargo loader; Thermal Reflex Sight; Small Unmanned Ground Robotic System; Advanced manufacturing of Common launch container; Handheld kinetic Defeat for UAS. • Human Performance (estimated funding $3.300 million): Water Tester at Point of Need.			
FY 2024 to FY 2025 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	28.537	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S050 / *Small Business Innovation Research*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

SBIR is a three-phase program that provides early-stage R&D to small companies. Eligible projects must fulfill an R&D need identified by the Department of Defense and have the potential to be developed into a product or service for commercial or defense markets. SBIR is designed to stimulate technological innovation, increase private sector commercialization of federal R&D, increase small business participation in federally funded R&D, and foster participation by minority and disadvantaged firms in technological innovation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	Project (Number/Name) S050 / *Small Business Innovation Research*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Small Business Innovation Research (SBIR) Phase I < $150K	C/Various	Various : Various	51.322	3.500	Oct 2023	-		-		-		-	Continuing	Continuing	-
SBIR Phase II >$750K	C/Various	Various : Various	72.644	25.037	Oct 2023	-		-		-		-	Continuing	Continuing	-
Prior Year Funding	C/Various	Various : Various	198.511	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	322.477	28.537		-		-		-		-	Continuing	Continuing	N/A

Remarks

Due to multiple awards, the dates listed above reflect the first Phase I and II efforts awarded.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	322.477	28.537		-		-		-		-	Continuing	Continuing	N/A

Remarks

Due to multiple awards, the dates listed above reflect the first Phase I and II efforts awarded.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S050 / *Small Business Innovation Research*

	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
Small Business Innovative Research (SBIR)																												
Phase I Efforts	[redacted]																											
Phase II Efforts	[redacted]																											

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S050 / *Small Business Innovation Research*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Small Business Innovative Research (SBIR)				
Phase I Efforts	1	2023	4	2023
Phase II Efforts	1	2023	4	2023

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	Project (Number/Name) S051 / *Small Business Technology Transfer*	

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
S051: *Small Business Technology Transfer*	22.608	4.013	0.000	0.000	-	0.000	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The goals of the Small Business Technology Transfer (STTR) program is to stimulate a partnership of ideas between small business concerns (SBCs) and research institutions through the United States Special Operations Command (USSOCOM) funded research or research and development (R/R&D). By providing awards to SBCs or cooperative R/R&D efforts with research institutions, USSOCOM supports innovation and economic growth to generate decisive and sustained U.S. military advantages. This program supports high priority projects within the USSOCOM Components, their missions, and the Warfighter.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Small Business Technology Transfer (STTR)	4.013	0.000	0.000
FY 2024 Plans: • A series of feasibility and initial research into the following focus areas (estimated funding, $4.620 million): Scalability and Precision Effects; Multi-Domain Communications and Computing; Human Performance; Emplacement and Access; Battle Space Awareness; and HEO.			
FY 2025 Plans: • A series of feasibility and initial research into the following focus areas (estimated funding, $5.082 million): Precision and Scalable Effects; Multi-Domain Communications and Computing; Human Performance; Emplacement and Access; Battle Space Awareness; and HEO.			
FY 2024 to FY 2025 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	4.013	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S051 / *Small Business Technology Transfer*

D. Acquisition Strategy

The STTR program provides early-stage R&D funding directly to small companies working cooperatively with researchers at universities and other research institutions. The STTR is also a three-phased program designed to stimulate technological innovation, increase private sector commercialization of federal R&D, increase small business participation in federally funded R&D, and foster participation by minority and disadvantaged firms in technological innovation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	Project (Number/Name) S051 / *Small Business Technology Transfer*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Small Business Technology Transfer (STTR) Phase I <$150K	C/FFP	Various Vendors : Various Locations	8.400	0.630	Oct 2023	-		-		-		-	Continuing	Continuing	-
STTR Phase II >$750K	C/Various	Various Vendors : Various Locations	9.085	3.383	Oct 2023	-		-		-		-	Continuing	Continuing	-
Prior Year Funding	C/Various	Various : Various	5.123	-		-		-		-		-	0.000	5.123	-
		Subtotal	22.608	4.013		-		-		-		-	Continuing	Continuing	N/A

Remarks

Due to multiple awards, the dates listed above reflect the last Phase I and II awarded.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	22.608	4.013		-		-		-		-	Continuing	Continuing	N/A

Remarks

Due to multiple awards, the dates listed above reflect the first Phase I and II efforts awarded.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S051 / *Small Business Technology Transfer*

	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
Small Business Technology Transfer (STTR)																												
Phase I Efforts	[redacted]																											
Phase II Efforts	[redacted]																											

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160279BB / *Small Business Innovation Research/Small Bus Tech Transfer*	**Project (Number/Name)** S051 / *Small Business Technology Transfer*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Small Business Technology Transfer (STTR)				
Phase I Efforts	1	2023	4	2023
Phase II Efforts	1	2023	4	2023

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*

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	2,370.416	176.998	216.174	263.712	-	263.712	273.602	225.493	181.645	181.367	Continuing	Continuing
SF100: *Aviation Systems Advanced Development*	1,605.123	53.039	56.295	106.356	-	106.356	138.207	113.069	66.383	67.710	Continuing	Continuing
SF200: *CV-22*	83.227	11.757	21.619	15.727	-	15.727	19.064	19.445	19.834	20.231	Continuing	Continuing
SF300: *Armed Overwatch/ Targeting*	45.388	1.156	2.000	2.000	-	2.000	2.000	4.000	5.000	5.100	Continuing	Continuing
S750: *Mission Training and Preparation Systems*	70.394	13.343	3.453	5.361	-	5.361	8.650	7.114	7.213	3.840	Continuing	Continuing
S875: *AC/MC-130J*	186.820	40.038	65.496	74.616	-	74.616	44.757	23.934	24.217	24.341	Continuing	Continuing
D615: *Rotary Wing Aviation*	379.464	57.665	67.311	59.652	-	59.652	60.924	57.931	58.998	60.145	Continuing	Continuing

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 212

A. Mission Description and Budget Item Justification

SF100 Aviation Systems Advanced Development:

This project provides for the development, rapid prototyping, demonstration, and integration of current and maturing technologies for Special Operations-peculiar (SO-p) aviation and training requirements to transform the foundation of future SOF aviation for the Joint Force in order to support the 2022 National Defense Strategy (NDS). Timely application of SO-p technology is critical and necessary to meet requirements in areas such as: Aviation Engineering Analysis (AEA); Electronic Warfare (EW)-Radio Frequency Countermeasures (RFCM); High Speed Vertical Takeoff and Landing (HSVTOL); High Energy Laser (HEL); MC-130J Amphibious Capability (MAC); MH-47G and MH-60M SOF Common Terrain Following (TF)/Terrain Avoidance (TA) Silent Knight Radar (SKR); Precision Strike Package (PSP) and the Adaptive Airborne Enterprise (A2E). The AEA provides engineering analysis, market research, and designs to address aircraft survivability needs such as signature management, situational awareness, and versatile mission platform/equipment (payloads, communication, and weapons) to achieve SOF objectives. The EW-RFCM supports development, integration, and test activities to provide EW capability against Radio Frequency (RF) threats for SO-p AC/MC-130J aircraft. HSVTOL supports development and demonstration of agile and responsive air mobility capabilities to support runway independent operations, increased speed of maneuverability, and provide the ability to penetrate anti-access (A2)/anti-denial (AD) environments. The HEL supports development of an AC-130J laser weapons system for Low Probability of Detection (LPD) use in complex environments to enable joint/coalition SOF operations against targets such as communication nodes, light-to-medium duty vehicles, and power infrastructures. The MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments. MH-47G and MH-60M SOF Common TF/TA SKR supports development, integration, and testing of SOF Common TF/TA Multi-Mode Radar (MMR) that provides Low Probability of Intercept (LPI) and LPD capabilities for MH-47G and MH-60M aircraft. The PSP supports systems engineering, analysis, development, and enhancement of the baseline PSP for integration, installation, and test for the SOF AC-130J aircraft and other

SOF aviation platforms. A2E will operationalize the Air Force's Uncrewed Aircraft Systems (UAS) strategy to present exquisite, attributable, and expendable UAS for collaborative operations within permissive, contested, and denied environments.

The total cost of the RFCM Middle Tier of Acquisition (MTA) effort is $69.205 million (FY 2022 - FY 2026), including RDT&E and procurement of prototype units. The RFCM effort is fully funded through FY 2026.

SF200 CV-22 Development/Test and Evaluation:
This project supports integration, design, development, rapid prototyping, and test to provide improved capabilities to include: more robust performance in Situational Awareness (SA); intelligence, surveillance, and reconnaissance (ISR); weapons; avionics; SOF communications; defensive/survivability systems; interoperability; speed and maneuverability; mission deployment and improved reliability and maintainability of the CV-22 platform. The CV-22 Osprey is a SOF variant of the V-22 vertical medium lift, multi-mission aircraft. The CV-22 provides long-range, high speed, all weather, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive as stated in the 2022 NDS. These capabilities are not currently provided by other existing SOF vertical lift aircraft. Funding supports the following CV-22 requirements: CV-22 SOF Common TF/TA SKR, Block 20 Development, Reliability Improvements, and test aircraft flying hours and maintenance. SOF Common TF/TA SKR supports development of the CV-22 SOF Common TF/TA SKR Operational Flight Program (OFP) software and development of CV-22 platform software and hardware to support integration and testing. Block 20 Development supports design, integration, and testing of CV-22 avionics upgrades and correction of deficiencies to include, but not limited to electronic warfare upgrades; improved crew interface functionality; weapon systems; and Airborne Mission Networking (AbMN). Reliability Improvements supports design, integration, test and validation of system, and sub-system, reliability enhancements to meet required aircraft availability and operational requirements. Realibility Improvements accelerate fielding and retrofitting system design improvements directly increasing CV-22 fleet readiness. Test aircraft flying hours and maintenance supports developmental flight testing and maintenance of the test CV-22 aircraft in performance of SOF capability development programs.

SF300 Armed Overwatch:
This project supports integration and testing of SO-p capabilities and aircraft certification efforts for the Armed Overwatch program. Armed Overwatch provides SOF with deployable, affordable, and sustainable crewed aircraft systems capable of executing Close Air Support (CAS), precision strike, and armed ISR requirements in austere and permissive environments for use in irregular warfare operations in support of the 2022 NDS. Armed Overwatch was initially designated a MTA program which utilized a rapid prototype user assessment for a SO-p, fixed wing aircraft with specific sensors to detect ground assets. The USSOCOM Acquisition Executive approved the program's transition to the Major Capability Acquisition pathway at Milestone C in 4th QTR of FY 2022.

S750 Mission Training and Preparation Systems (MTPS):
The MTPS project funds the definition, design, development, rapid prototyping, integration, and testing of Special Operations Mission Planning and Execution (SOMPE) systems to support mission planning, rehearsal, and execution requirements to meet SO-p mission requirements and correct deficiencies in current mission planning, rehearsal, and execution capabilities. The MTPS project also includes program management, systems engineering, configuration management, architecture development, risk reduction, and trade study initiatives, as well as initiatives to assure interoperability and commonality between diverse mission planning, rehearsal, and execution systems. Additionally, this project funds the Extended Reality (XR) Training Transformation Simulator Block Upgrade Fixed Wing (SBUDF) program that

develops and integrates training innovation and transformation solutions across the fixed-wing and special tactics augmented and virtual reality mission training device portfolio, to include AC-130J, MC-130J, CV-22, Armed Overwatch and C-146.

S875 AC/MC-130J:
This project supports the development, rapid prototyping, integration, automation, and testing of the AC-130J and MC-130J aircraft. The AC-130J Ghostrider provides CAS, air interdiction, and armed reconnaissance in support of special operations and conventional forces in contested and degraded environments. The MC-130J Commando II provides clandestine, or low visibility, single or multi-ship, low-level infil, exfil, and resupply of SOF, by airdrop or airland resupply of SOF helicopters and tiltrotor aircraft, intruding politically sensitive or hostile territories. Incremental upgrade and agile software delivery approaches will be used to rapidly prototype, integrate, mature, and continuously improve SOF capabilities for AC-130J and MC 130J aircraft. Efforts like Integrated Tactical Mission Systems (ITMS) provide critical automation and integration of SOF Tactical Mission Systems (TMS), including navigation, communication, precision fire control and aircraft defensive systems required to operate AC-130J and MC-130J aircraft in near-peer conflicts. Requirements include upgrades to integrate and automate SOF TMS's to provide systems interoperability, data fusion and improved situational awareness (SA), improved threat detection and avoidance, integrated TF/TA and SKR improvements, integrated defensive countermeasure (DCM) effects, PSP interoperability, integrated EW, and embedded training. Integrating and automating SOF mission systems that deliver these capabilities is critical to fielding SO-p AC-130J and MC-130J aircraft to be more lethal, resilient, survivable, agile, and responsive in support of the 2022 NDS. The MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments. MC-130J aircraft that receive AbMN, TF/TA, and RFCM SO-p modifications are designated with the popular name "Combat Talon III".

The ITMS was designated a Middle Tier of Acquisition (MTA) program in FY 2022. The ITMS MTA effort spans FY 2022-FY 2026 and the total cost is $228.796 million. The ITMS effort is fully funded through FY 2026.

D615 Rotary Wing Aviation:
This project provides for the development, rapid prototyping, demonstration, and integration of current and maturing technologies for SO-p rotary wing aviation and training requirements, as well as next generation mobility to allow SO-p helicopters to operate in denied environments in support of the 2022 NDS. This project includes modifications to systems to counter rapidly emerging threats, address cyber security, improve lethality and enhance aircraft self-protection in contested environments. Rotary wing aircraft supported by this project include: MH-60M; MH-47G; A/MH-6; and Future Vertical Lift (FVL). These aircraft provide aviation support to SOF in worldwide contingency operations and low-intensity conflicts. These aircraft must be capable of rapidly deploying, penetrating hostile areas undetected, and operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. The anti-access/area denial (A2/AD) threat is characterized by an extensive and sophisticated ground-based air defense system and an upgraded air-to-air capability targeted against helicopters. Mission Processor Upgrade (MPU) provides for non-recurring engineering, systems engineering/testing, and future aircraft architecture studies that support replacement and upgrade of the current mission and video processors for all Army Special Operations Aviation (ARSOA) rotary wing aircraft. Tactical Mission Networking (TMN) focuses on technology development of platform software and hardware systems with capabilities to enable aircraft to effectively adapt and overcome the challenges of a highly contested environment.

These technologies will be pursued via rapid prototyping efforts when appropriate.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	183.152	216.174	219.497	-	219.497
Current President's Budget	176.998	216.174	263.712	-	263.712
Total Adjustments	-6.154	0.000	44.215	-	44.215
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.529	-			
• SBIR/STTR Transfer	-6.683	-			
• Adjustments to Budget Year	-	-	44.215	-	44.215

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: SF100: *Aviation Systems Advanced Development*		
Congressional Add: *Development of cyber security and continuous monitoring of serial bus systems*	9.635	-
Congressional Add Subtotals for Project: SF100	9.635	-
Congressional Add Totals for all Projects	9.635	-

Change Summary Explanation

Funding:

FY 2023: Net Decrease of $6.154 million is due to a reprogramming for emergent command requirements (-$0.529 million) and a decrease of (-$6.975 million) reprogrammed to congressionally mandated Small Business Innovative Research/Small Business Technology (SBIR/STTR) programs.

FY 2024: None.

FY 2025: Net increase of $44.215 million is due to the following:

SF100

Aviation Engineering Analysis: Aviation Engineering Analysis net decrease of $29.088 million is due to funding transfer from PE 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development to PE 1160402BB, SOF Advanced Technology Development, Project S200: Advanced Technology Development for High Speed Vertical Takeoff and Landing (HSVTOL) which conducts in-depth engineering development to support detailed design activities for the HSVTOL demonstration platform (-$36.946 million) and an increase to transition MAC capabilities from PE 1160403BB, Aviation Systems, Project SF100:

Aviation Systems Development to PE 1160403BB, Aviation Systems, Project S875: AC/MC-130J, to support MAC development to include aircraft performance modeling and full scale manufacturing and fabrication of beam and truss assembly and the flotation system ($7.858 million).
MQ-9: Net Increase of $52.500 million is due to the transition of MQ-9 funds from PE 1105219BB, MQ-9 Unmanned Aerial Vehicle, Project S851: Unmanned Aerial Vehicle ($10.000 million) which supports the A2E concept and includes development of a Modular Open-System Architecture (MOSA) and collaboration environments that facilitate a more efficient and expeditious integration and fielding of Special Operations Forces-peculiar (SO-p) capabilities ($42.500 million).

Precision Strike Package: Increase of $14.400 million begins systems engineering, integration analysis, and enhancement of the baseline PSP on AC-130J with an Active Electronically Scanned Array (AESA) Radar improving battlespace awareness and identification, tracking and targeting sophisticated threats for Integrated Deterrence of peer adversaries in support of the National Defense Strategy

SF200
CV-22: Decrease of -$5.562 million is due to a change in acquisition strategy from a forced retro fit to an attrition-based approach and executing reliability improvements via other V-22 Joint Program Office funding sources.

S750
SBUD: Increase of $0.765 million supports development efforts which focuses on increasing realism in graphics and functionality within virtual reality training devices for AC/MC-130J, initiation of development of integrated, augmented reality (AR) aircraft training for use in live MC-130J flights.

S875
FWAEA MAC: Increase of $11.500 million transitions MAC capabilities from Project SF100: Aviation Systems Advanced Development to Project S875: AC/MC-130J beginning in FY 2025, which begins aircraft performance modeling and full-scale manufacturing and fabrication of beam assembly, truss assembly, and the flotation system.

D615
MH-47: Decrease of $0.300 million reprogrammed for emergent command requirements.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF100 / *Aviation Systems Advanced Development*	

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
SF100: *Aviation Systems Advanced Development*	1,605.123	53.039	56.295	106.356	-	106.356	138.207	113.069	66.383	67.710	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the development, rapid prototyping, demonstration, and integration of current and maturing technologies for Special Operations (SO)-peculiar (SO-p) aviation and training requirements to transform the foundation of future SOF aviation for the Joint Force in order to support the 2022 National Defense Strategy (NDS). Timely application of SO-p technology is critical and necessary to meet requirements in areas such as: Aviation Engineering Analysis (AEA), Electronic Warfare (EW)-Radio Frequency Countermeasures (RFCM), High Speed Vertical Takeoff and Landing (HSVTOL), High Energy Laser (HEL), MC-130J Amphibious Capability (MAC), Adaptive Airborne Enterprise (A2E), MH-47G and MH-60M SOF Common Terrain Following (TF)/Terrain Avoidance (TA) Silent Knight Radar (SKR), and Precision Strike Package (PSP). The AEA provides engineering analysis, market research, and designs to address aircraft survivability needs such as signature management, situational awareness (SA), and versatile mission platform/equipment (payloads, communication, and weapons) to achieve SOF objectives. The EW-RFCM supports development, integration, and test activities to provide EW capability against Radio Frequency (RF) threats for SO-peculiar AC/MC-130J aircraft. The HSVTOL supports development and demonstration of agile and responsive air mobility capabilities to support runway independent operations, increased speed of maneuverability, and provide the ability to penetrate anti-access (A2)/anti-denial (AD) environments. The HEL supports development of an AC-130J laser weapons system for Low Probability of Detection (LPD) use in complex environments to enable joint/coalition SOF operations against targets such as communication nodes, light-to-medium duty vehicles, and power infrastructures. The MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments. MH-47G and MH-60M SOF Common TF/TA SKR supports development, integration, and testing of SOF Common TF/TA Multi-Mode Radar (MMR) that provides Low Probability of Intercept (LPI) and LPD capabilities for MH-47G and MH-60M aircraft. The PSP supports systems engineering, analysis, development, and enhancement of the baseline PSP for integration, installation, and test on SOF AC-130J aircraft and other SOF aviation platforms.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: EW-RFCM, Program Number 768	9.708	20.220	9.180
Description: The EW-RFCM program supports development, integration, and test activities to provide EW capability against RF threats for SO-p AC/MC-130J aircraft. The RFCM system is part of the Defensive Countermeasures (DCM) suite that provides situational awareness and threat response processing required for SOF missions.			
FY 2024 Plans: Continue spiral design, development and operational test activities, to include; complete software program increment qualification test, complete hardware in the loop test, and begin software release.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continues spiral design, development and test activities, to include: begins technical refresh of system hardware architecture to increase system capacity, begins software integration to updated hardware architecture, and begins hardware integration testing. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $11.040 million is due to completion of initial software-only spiral update, decreasing from two concurrent development efforts in FY 2024 to one in FY 2025.			
Title: Precision Strike Package (PSP) for SOF, Program Number 843 ***Description:*** The PSP for SOF supports systems engineering, analysis, development, and enhancement of the baseline PSP and integration, installation, and test on SOF AC-130Js and other SOF platforms. The PSP is modular, scalable, and platform agnostic. Missions for the AC-130 aircraft include, but are not limited to: close air support; air interdiction; and armed reconnaissance. ***FY 2024 Plans:*** Initiate engineering analysis and development to remove the aft weapon system (105mm Gun), refit the aft section, and optimize crew workload in support of the United States Special Operations Command (USSOCOM) crew reduction initiatives. ***FY 2025 Plans:*** Continues to refit the aft section. Continues engineering analysis and development to optimize defensive systems and automate mission planning and crew functions to support the USSOCOM crew reduction initiatives. Initiate systems engineering, analysis, and integration of an Active Electronic Scanned Array (AESA) Radar on AC-130J. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $27.025 million is to initiate engineering analysis, integration, and developmental testing of AESA Radar capability on AC-130J, allowing the platform to detect, target, identify, and engage across a spectrum of threats at longer ranges and react with greater precision. Additionally, supports increased engineering analysis and initiates developmental test of optimized defensive systems, mission planning, and automated crew functions to improve AC-130J effectiveness in contested environments. Supports the refit of the aft section to reduce AC-130J crew complement commensurate with USSOCOM manpower reductions.	0.000	1.224	28.249
Title: High Energy Laser (HEL) ***Description:*** The HEL supports development of an AC-130J laser weapons system for LPD use in complex environments to enable joint/coalition SOF operations against targets such as communication nodes, light-to-medium duty vehicles, and power infrastructures. Utilizing a best of breed approach, it integrates laser, beam control, power, and thermal subsystems via a Government lead system integrator. This provides additional flexibility for rapid prototyping and future modifications. ***FY 2024 Plans:***	15.387	3.000	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Complete flight test activities and demonstration of the HEL system on the AC-130J. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $3.000 million is due to completion of project activities in FY 2024.			
Title: MH-47/MH-60 SOF Common TF/TA SKR, Program Number 778 ***Description:*** The MH-47G and MH-60M SOF Common TF/TA SKR supports development, integration, and testing of SOF Common TF/TA multi-mode radar that provides LPI and LPD capabilities to defeat advanced passive detection threats while maintaining safe TF capabilities for MH-47G and MH-60M aircraft. ***FY 2024 Plans:*** Continue software spiral efforts to reduce TF/TA SKR signature, support data fusions initiatives, and increase reliability. ***FY 2025 Plans:*** Continues software spiral efforts to reduce TF/TA SKR signature, support data fusions initiatives, and increase reliability. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.044 million is due to increased SKR developmental test and evaluation costs.	2.060	2.189	2.233
Title: Aviation Engineering Analysis (AEA) ***Description:*** The AEA provides engineering analysis, market research, and develops solutions to address aircraft survivability needs such as signature management, situational awareness (SA), and versatile mission platform/equipment (payloads, communication, and weapons) to achieve SOF objectives. ***FY 2024 Plans:*** Continue to perform engineering analysis and demonstrations to improve aviation mission survivability, aircraft and sensor anatomy, sensor fusion, targeting enhancement, cyber hardening, navigation in denied environments, and data link enhancements to support Fixed Wing next generation ISR, Mobility and Strike platforms. Activities include: signature management; SA with full spectrum threat warning and countermeasures; and versatile mission equipment (payloads, communications and weapons) to improve SOF survivability in less than permissive operating environments. Other technology advancements for Fixed Wing platforms include improvements for increased range, speed with reduced time to target, improving ability to insert and recover forces in contested environments and technology analysis on advanced mobility platforms (deep penetrating and aquatic landing). Strike enhancements include targeting/engagement automation, weapons effects and stand-off capability. ***FY 2025 Plans:***	5.801	14.662	14.194

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continue to perform engineering analysis and demonstrations to improve aviation mission survivability, aircraft and sensor anatomy, sensor fusion, targeting enhancement, cyber hardening, navigation in denied environments, and data link enhancements to support Fixed Wing next generation ISR, Mobility and Strike platforms. Activities include: signature management; SA with full spectrum threat warning and countermeasures; and versatile mission equipment (payloads, communications and weapons) to improve SOF survivability in less than permissive operating environments. Other technology advancements for Fixed Wing platforms include improvements for increased range, speed with reduced time to target, improving ability to insert and recover forces in contested environments and technology analysis on advanced mobility platforms (deep penetrating and aquatic landing). Strike enhancements include targeting/engagement automation, weapons effects and stand-off capability. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.468 million is due to reduction in planned aviation mission autonomy efforts in FY 2025.			
Title: High Speed Vertical Take-off and Landing (HSVTOL) ***Description:*** The HSVTOL supports development and demonstration of HSVTOL capabilities to support runway independent operations, increased speed of maneuverability, and provide ability to operate in contested environments.	1.044	-	-
Title: MC-130J Amphibious Capability (MAC) ***Description:*** The MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments. ***FY 2024 Plans:*** Continue engineering analysis and design activities for incorporating amphibious capabilities on a C-130J. This includes float design optimization for hydrodynamic and aerodynamic performance, aircraft truss design and loads analysis, and continued aircraft performance modeling. In addition, plans include contract award for fabrication of floats and truss assemblies. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $15.000 million is due to transition of MAC capabilities from Project SF100: Aviation Systems Advanced Development to Project S875: AC/MC-130J.	9.404	15.000	-
Title: Adaptive Airborne Enterprise (A2E) ***Description:*** Adaptative Airborne Enterprise (A2E) architecture and systems are being developed to ensure interoperability of air platforms to space, sea vessels and ground units. Supports the use of collaboration environments to facilitate a more efficient and expeditious intel integration and close long-range kill chains in highly congested and contested operating environments defined by the 2022 NDS. The USSOCOM will advance crewed and uncrewed systems from a single operational domain and hierarchical	-	-	52.500

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
command and control system to a multi-domain, agile, small footprint, mesh-network command and control ecosystem. Some foundational capabilities will leverage evolved MQ-9 platforms and infrastructure. Multiple program offices collaborative domain efforts will enhance long range strike, take advantage of diverse Joint Command, Control, Communications (C4) ISR networks/ architectures, increase survivability and improve decision making speed to critical decision makers at all echelons of command. Key capabilities will include preparation of the environment, illuminating threats, and link targets with desired effects for SOF and Joint Forces. ***FY 2025 Plans:*** Begins development of a foundational open system architecture that will enable multi-platform control. Initiates integration of Vigilant Spirit (VS) as the primary Command and Control (C2) interface, as it has already been demonstrated to manage multiple semi-autonomous and autonomous UASs simultaneously. VS integration will enable distributed operations by expanding beyond the traditional Ground Control Station to a simplified, software-based "operator station" that can be tailored to various hardware and network requirements for mission command and management of multiple UAS and payloads simultaneously. Begins efforts with the Golden Horde Autonomy Architecture to enable small UASs (sUAS) to be commanded from multiple large crewed and uncrewed platforms, allowing crews to control masses of air vehicles through the VS interface. Begins efforts to develop modular payloads for two future large UASs which will enable sUAS/payloads to be configured as mission requirements and operating environment demand. Air launched payloads include loitering munitions and sUAS to provide the mass required to locate and action targets in contested and denied environments. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Net Increase of $52.500 million. $10.000 million increase is due to transition of MQ-9 funds from PE 1105219BB, MQ-9 Unmanned Aerial Vehicle, Project S851: Unmanned Aerial Vehicle which supports the acceleration of the A2E concept. $42.500 million increase will develop a Modular Open-System Architecture (MOSA), collaborative environments that facilitate a more efficient and expeditious integration and fielding of SO-p capabilities and enhance long-range strike.			
Accomplishments/Planned Programs Subtotals	43.404	56.295	106.356

	FY 2023	FY 2024
Congressional Add: Development of cyber security and continuous monitoring of serial bus systems	9.635	-
FY 2023 Accomplishments: Perform development of cyber security and continuous monitoring of serial bus systems for various SOF platforms.		
Congressional Adds Subtotals	9.635	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/5000C13000: *C-130 Modifications*	16.893	18.796	-	-	-	-	-	-	-	0.000	35.689
• PROC/2012C130J: *AC/MC-130J*	222.869	319.754	300.892	-	300.892	319.441	386.667	410.950	438.665	Continuing	Continuing
• PROC/1202PSP: *Precision Strike Package*	57.450	108.497	69.917	-	69.917	72.285	58.113	59.211	61.306	Continuing	Continuing
• PROC0201RWUPGR: *Rotary Wing Upgrades and Sustainment*	224.134	261.012	220.301	-	220.301	190.270	193.662	203.051	207.501	Continuing	Continuing

Remarks

D. Acquisition Strategy

• EW-RFCM: Awarded $700 million ceiling acquisition and procurement contract covering Engineering and Manufacturing Development (EMD), Low-Rate Initial Production (LRIP), and Full-Rate Production (FRP) activities. EMD and LRIP are fixed price award fee incentivizing schedule and were awarded in 3rd Qtr FY 2020. FRP and other programmatic support activities (such as data rights and system integration laboratory options) are firm fixed price. The EW – RFCM program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80.

• PSP: The USSOCOM Program Office with six Combat Acquisition Detachments (CAD) executing program elements to integrate PSP and post-production capability enhancements on AC-130J aircraft. A-kit and integration contracts executed via Special Operations Forces Support Activity (SOFSA) Global Logistics Supply Services Task Orders (10-yr IDIQ awarded in 2017) and B-kit components awarded annually and executed via CAD contracting offices. The PSP for SOF program has produced and fielded the full 30 aircraft AC-130J fleet and continues to modernize and enhance the PSP baseline. The PSP for SOF program has been designated a Major Capability Acquisition (MCA) at Milestone C in accordance with the authority in DoD Directive 5135.02, the guidance in DoD Instruction 5000.85.

• HEL: The HEL effort utilizes Naval Surface Warfare Center (NSWC) Dahlgren Division as the Government lead system integrator of HEL components. HEL system components are either purchased under Defense Ordnance Technology Consortium or developed and assembled by NSWC Dahlgren. Both approaches provide flexibility for rapid prototyping.

• MH-47/MH-60 SOF Common TF/TA SKR: Sole source to Raytheon to produce the SKR. SKR Logistics and MH-47G and MH-60M A-Kit production and installation proceeding at SOFSA, Lexington, KY. Contract Vehicle: Multi-Year Procurement (MYP) for FY 2021 through FY 2023 procurements. The SKR program plans to award a follow-on five-year MYP purchasing SKRs in FY 2024 - FY 2028 for the MH-47, MH-60, CV-22 and MC-130J aircraft and a six-year Indefinite Delivery/Indefinite Quantity contract for support and sustainment in FY 2024 - FY 2029. The MH-47/MH-60 SOF Common TF/TA SKR program has been designated a Major Capability Acquisition (MCA) at Milestone C, in accordance with the authority in DoD Directive 5135.02, the guidance in DoD instruction 5000.85. The purpose of the MCA is to acquire and continue software spiral efforts to reduce TF/TA SKR signature, support data fusion initiatives, and increase reliability.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

• AEA: Utilize Joint Department of Defense (DoD) programs to advance the technology levels for both the current Fixed Wing platforms and the advanced mobility platforms along with the Joint Aircraft Survivability Program sponsored projects to recommend material solutions for demonstration and potential integration on FW aircraft. Utilize DoD, labs and industry partners to continue market research and engineering analysis efforts.

• HVSTOL: Utilize Joint DoD programs to advance the technology levels for HVSTOL platforms and to recommend material solutions for a technical demonstration. Perform engineering analysis on key enabling technologies in conjunction with the Air Force Research Laboratory, AFWERX, Defense Advanced Research Projects Agency (DARPA) and other agencies.

• MAC: Utilize Government partners, labs and Industry partners through multiple contract awards to perform engineering analysis in the areas of hydrodynamics, structural loads, and flight performance modeling.

• A2E: Utilizes Government partners, labs, and Industry partners through multiple contract awards to advance technology and enable key capabilities with desired effects for SOF and Joint Forces in highly congested and contested operating environments. These effects will include, but not limited to, advance manned and unmanned systems from a single operational domain and hierarchical command and control system to a multi-domain, mesh-network command and control ecosystem and increase survivability.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Electronic Warfare (EW) Radio Frequency Countermeasures (RFCM) Spiral One Development	C/CPFF	Various : Various	9.133	6.500	Mar 2023	16.585	Mar 2024	7.263	Mar 2025	-		7.263	Continuing	Continuing	-
Precision Strike Package (PSP) for Special Operations Forces (SOF) - Aft Weapon System & Crew Optimization	C/Various	Various : Various	-	-		1.224	Jan 2024	9.554	Jan 2025	-		9.554	Continuing	Continuing	-
PSP for SOF - Active Electronically Scanned Array (AESA) Radar	C/Various	Various : Various	-	-		-		9.580	Jan 2025	-		9.580	Continuing	Continuing	-
HEL - Flight Testing/ Demonstration	C/CPFF	Various : Various	1.478	15.388	Nov 2022	3.000	Nov 2023	-		-		-	0.000	19.866	-
MH-47/MH-60 SOF Common Terrain Following/Terrain Avoidance Silent Knight Radar (TF/TA SKR) Software Development	C/CPFF	Raytheon : McKinney, TX	21.272	1.382	Jun 2023	1.421	Nov 2023	1.421	Jan 2025	-		1.421	Continuing	Continuing	-
Aviation Engineering Analysis (AEA)	C/Various	Various : Various	44.166	3.801	Nov 2022	11.162	Nov 2023	11.194	Nov 2024	-		11.194	Continuing	Continuing	-
AEA – Aviation Mission Autonomy	C/Various	Various : Various	-	2.000	Nov 2022	3.500	Nov 2023	3.000	Nov 2024	-		3.000	Continuing	Continuing	-
MC-130J Amphibious Capabilities (MAC)	C/FFP	Various : Various	1.600	9.403	Nov 2022	15.000	Nov 2023	-		-		-	Continuing	Continuing	-
High Speed Vertical Take-Off and Landing (HSVTOL) – Market Research	C/FP	Various : Various	-	1.044	Nov 2022	-		-		-		-	Continuing	Continuing	-
Cybersecurity serial bus systems (Congressional Add)	C/Various	Various : Various	-	9.635	Jun 2023	-		-		-		-	Continuing	Continuing	-
Adaptive Airborne Enterprise (A2E)	Various	Various : Various	-	-		-		45.360	Jan 2025	-		45.360	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Development															
Prior Year Funding - Completed Efforts	Various	Various : Various	1,131.840	-		-		-		-		-	0.000	1,131.840	-
Prior Year Funding - Classified Project Congressional Add	C/Various	Under Separate Cover : Under Separate Cover	8.000	-		-		-		-		-	0.000	8.000	-
		Subtotal	1,217.489	49.153		51.892		87.372		-		87.372	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
EW-RFCM	C/Various	Various : Various	34.829	1.030	Jan 2023	1.040	Jan 2024	0.719	Jan 2025	-		0.719	Continuing	Continuing	-
PSP for SOF - Aft Weapon System & Crew Optimization	C/Various	Various : Various	-	-		-		1.704	Jan 2025	-		1.704	Continuing	Continuing	-
PSP for SOF - AESA Radar	C/Various	Various : Various	-	-		-		1.994	Jan 2025	-		1.994	Continuing	Continuing	-
A2E Software/ Engineering Support	Various	Various : Various	-	-		-		2.040	Nov 2024	-		2.040	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	69.455	-		-		-		-		-	0.000	69.455	-
		Subtotal	104.284	1.030		1.040		6.457		-		6.457	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
EW-RFCM Developmental Test & Evaluation	C/Various	Various : Various	17.103	1.800	Jan 2023	-		1.198	Jan 2025	-		1.198	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
EW-RFCM Operational Test & Evaluation	C/Various	Various : Various	-	0.378	Jan 2023	2.595	Jan 2024	-		-		-	Continuing	Continuing	-
PSP for SOF - Aft Weapon System & Crew Optimization Developmental Test	C/Various	Various : Various	-	-		-		2.591	Jan 2025	-		2.591	Continuing	Continuing	-
PSP for SOF - AESA Radar Developmental Test	C/Various	Various : Various	-	-		-		2.826	Jan 2025	-		2.826	Continuing	Continuing	-
MH-47/MH-60 SOF Common TF/TA SKR Developmental Test & Evaluation	C/CPFF	Various : Various	128.643	0.678	Nov 2022	0.768	Nov 2023	0.812	Nov 2024	-		0.812	Continuing	Continuing	-
A2E Developmental Test & Evaluation	Various	Various : Various	-	-		-		5.100	Mar 2025	-		5.100	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	85.435	-		-		-		-		-	0.000	85.435	-
		Subtotal	231.181	2.856		3.363		12.527		-		12.527	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Funding - Completed Efforts	Various	Various : Various	52.169	-		-		-		-		-	0.000	52.169	-
		Subtotal	52.169	-		-		-		-		-	0.000	52.169	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,605.123	53.039		56.295		106.356		-		106.356	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

AC/MC-130J RFCM Schedule

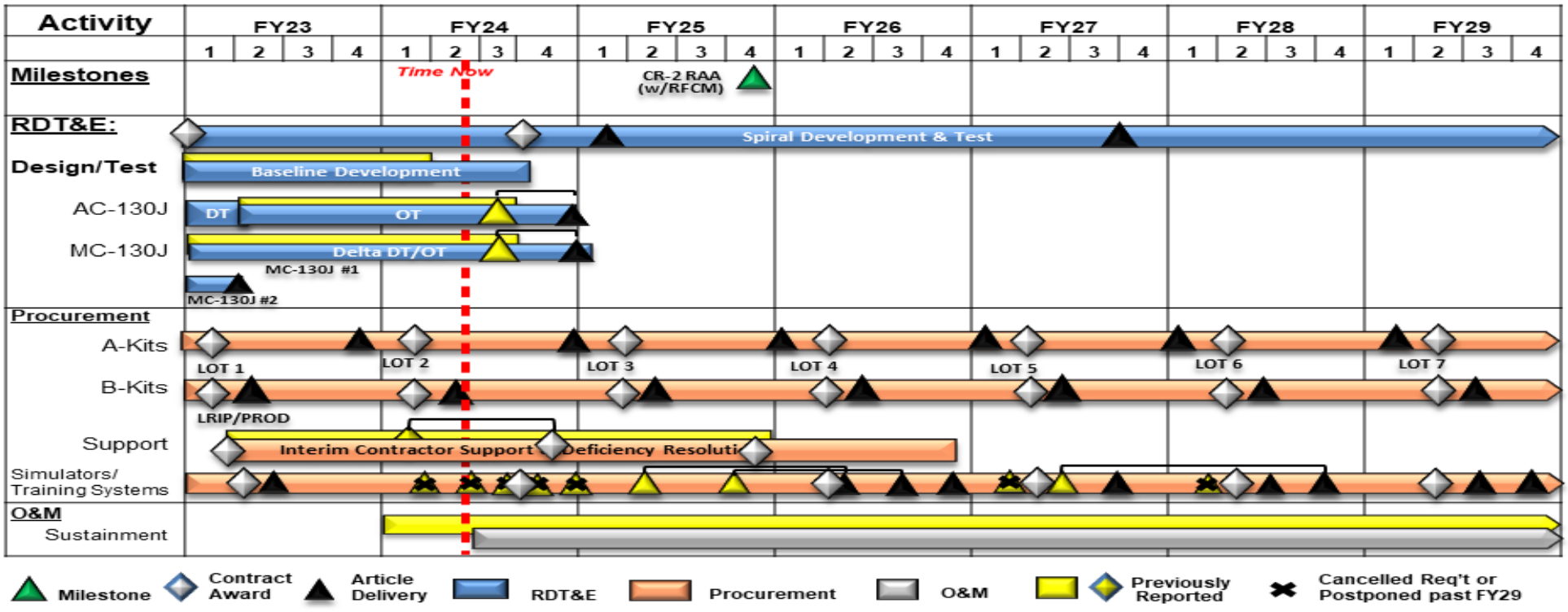


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

AC-130J/Precision Strike Package (PSP) for Special Operations Forces (SOF) Schedule

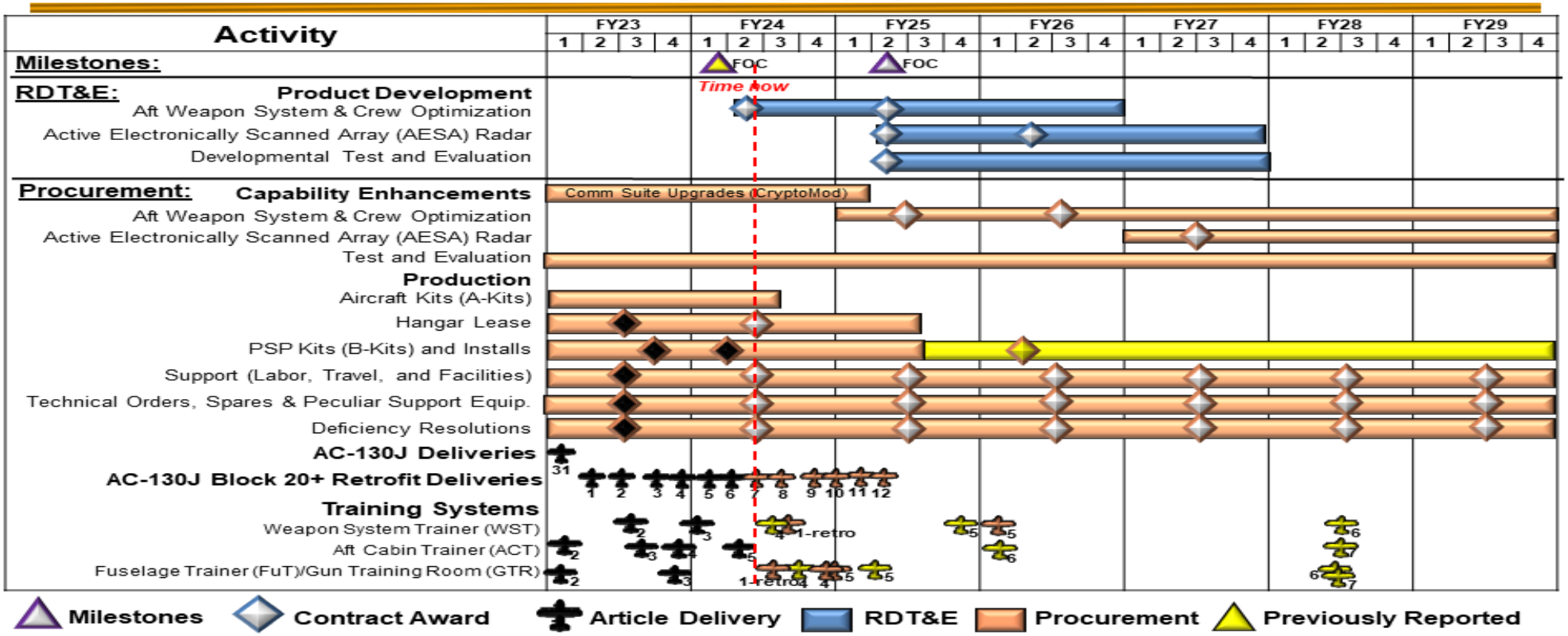


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

AC-130 HEL Schedule

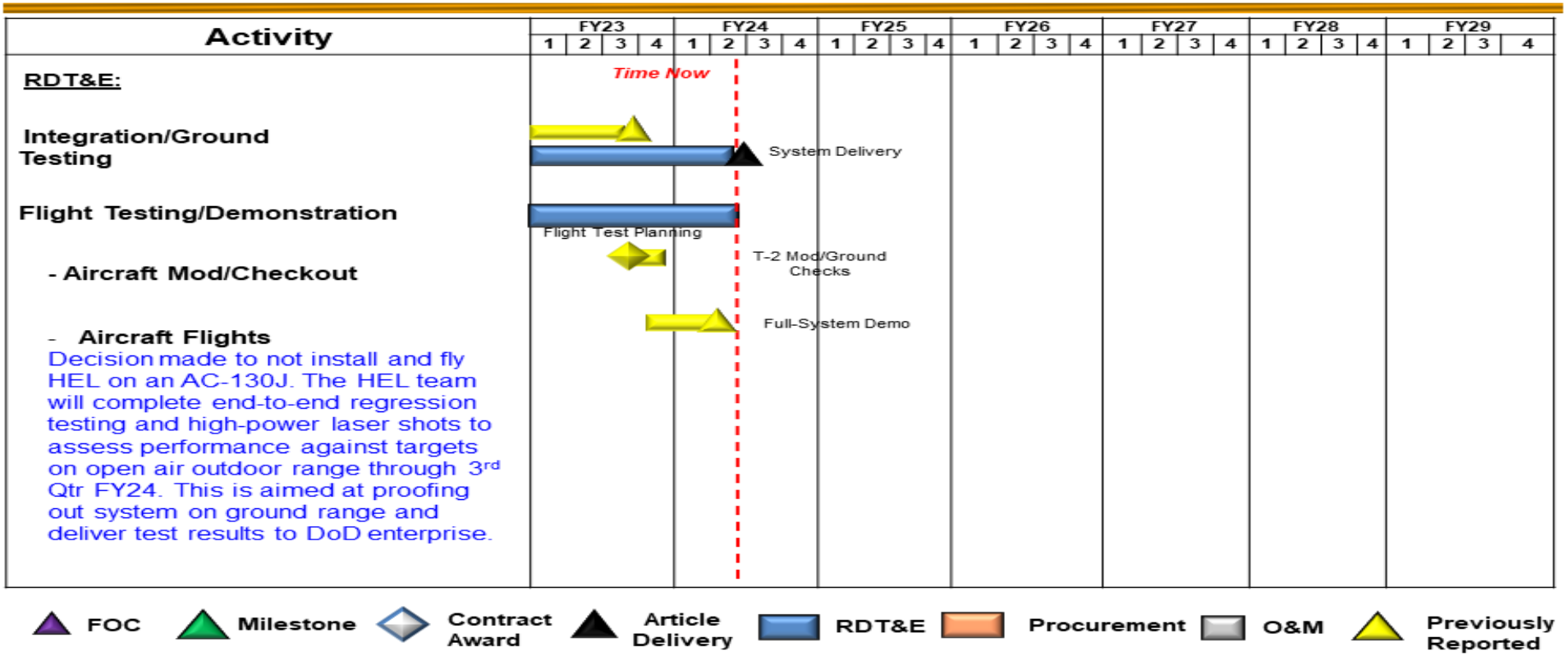


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

MH-47/MH-60 SOF Common Terrain Following/Terrain Avoidance Silent Knight Radar Schedule

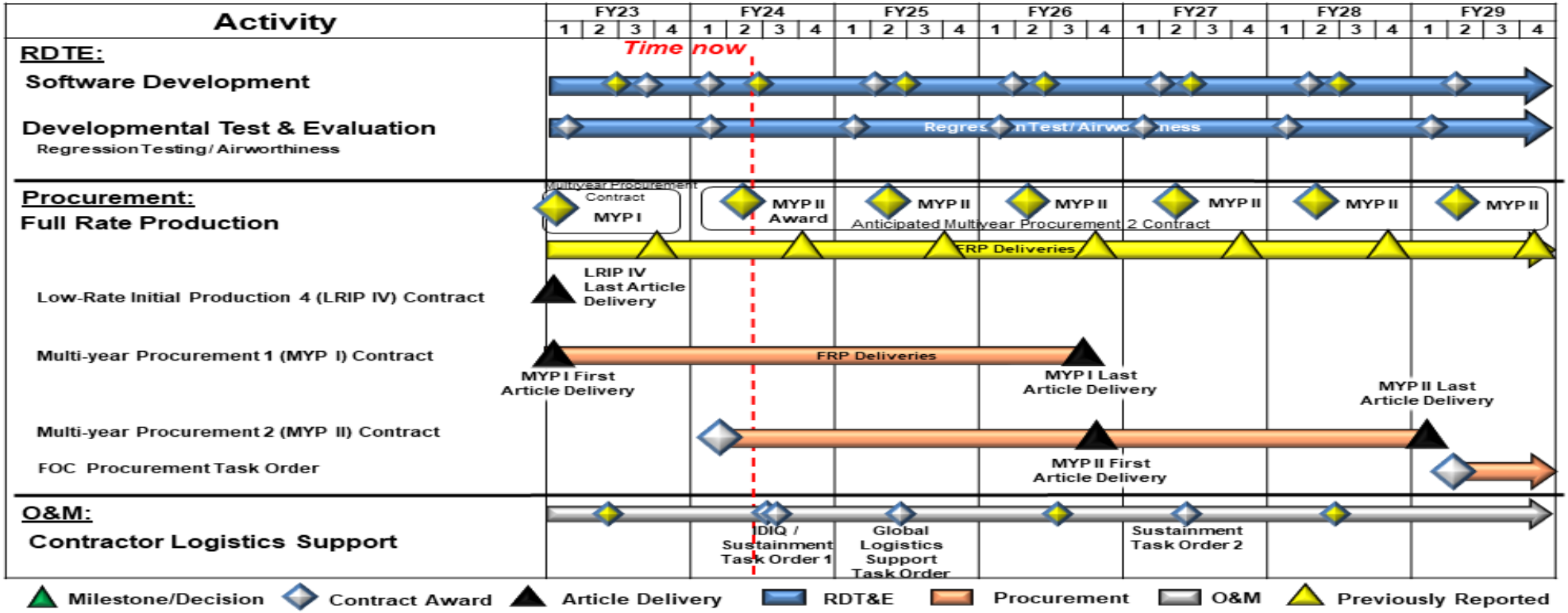


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

AEA Schedule

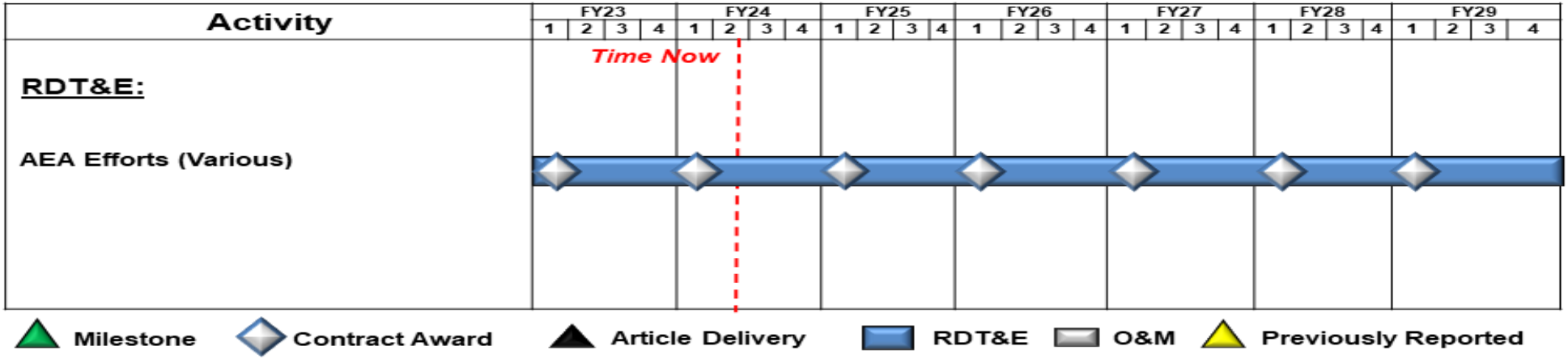
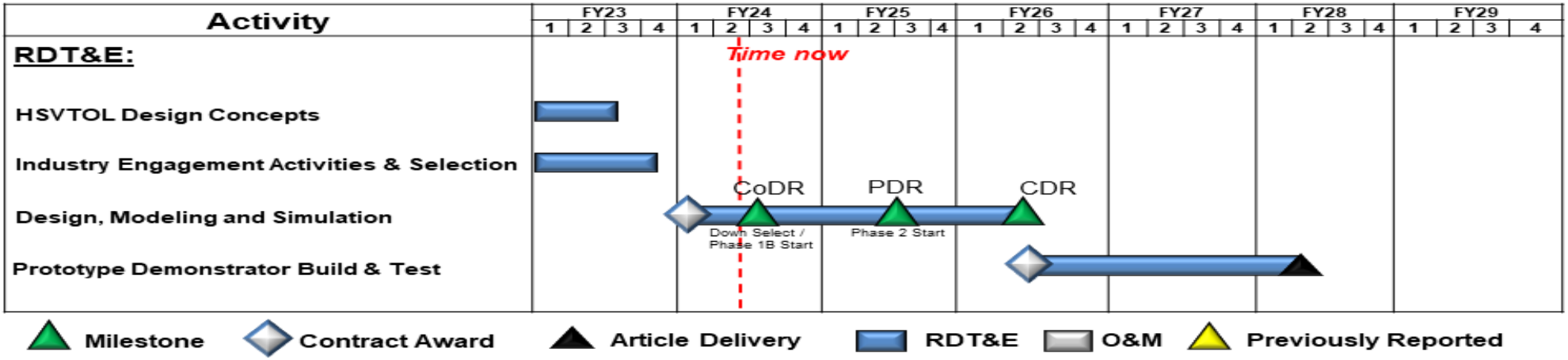


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

HSVTOL Schedule

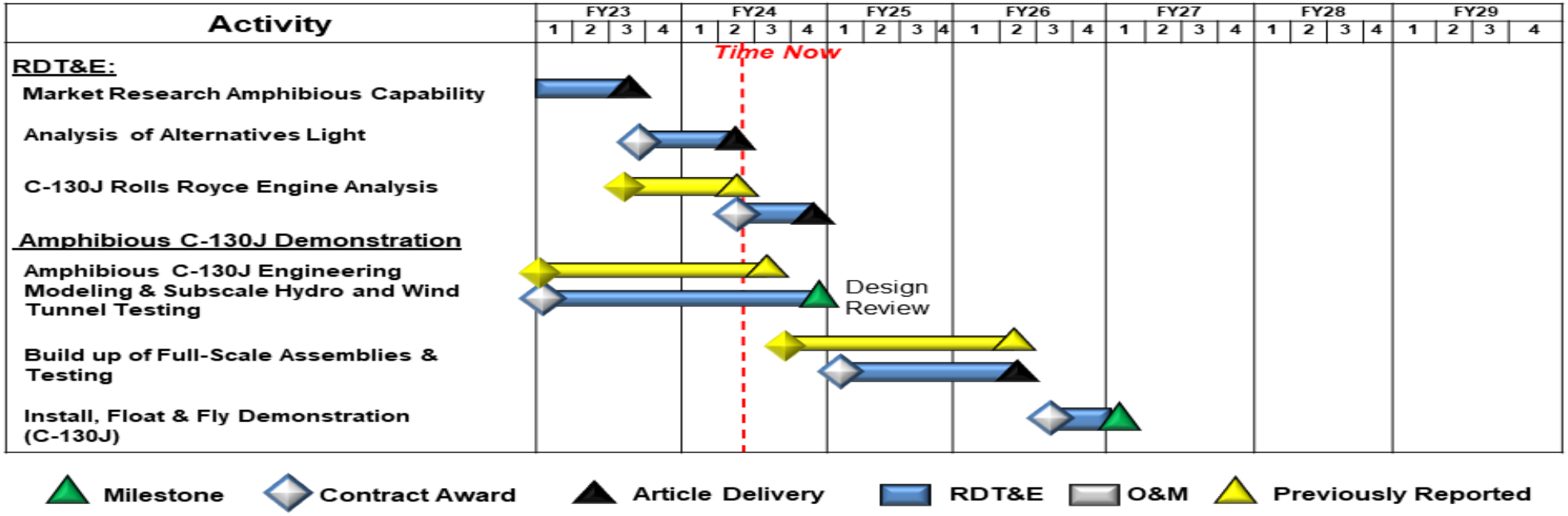


CoDR – Concept Development Review, PDR – Preliminary Design Review, CDR – Critical Design Review

Beginning in FY 2024, HSVTOL capabilities have transitioned from Program Element (PE) 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development to PE 1160402BB SOF Advanced Technology Development, Project S200: Advanced Technology Development

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

MAC Schedule



Note: Beginning in FY 2025, MAC Capabilities have transitioned from Program Element (PE) 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development to PE 1160403BB Aviation Systems, Project S875: AC/MC-130J

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

A2E Schedule

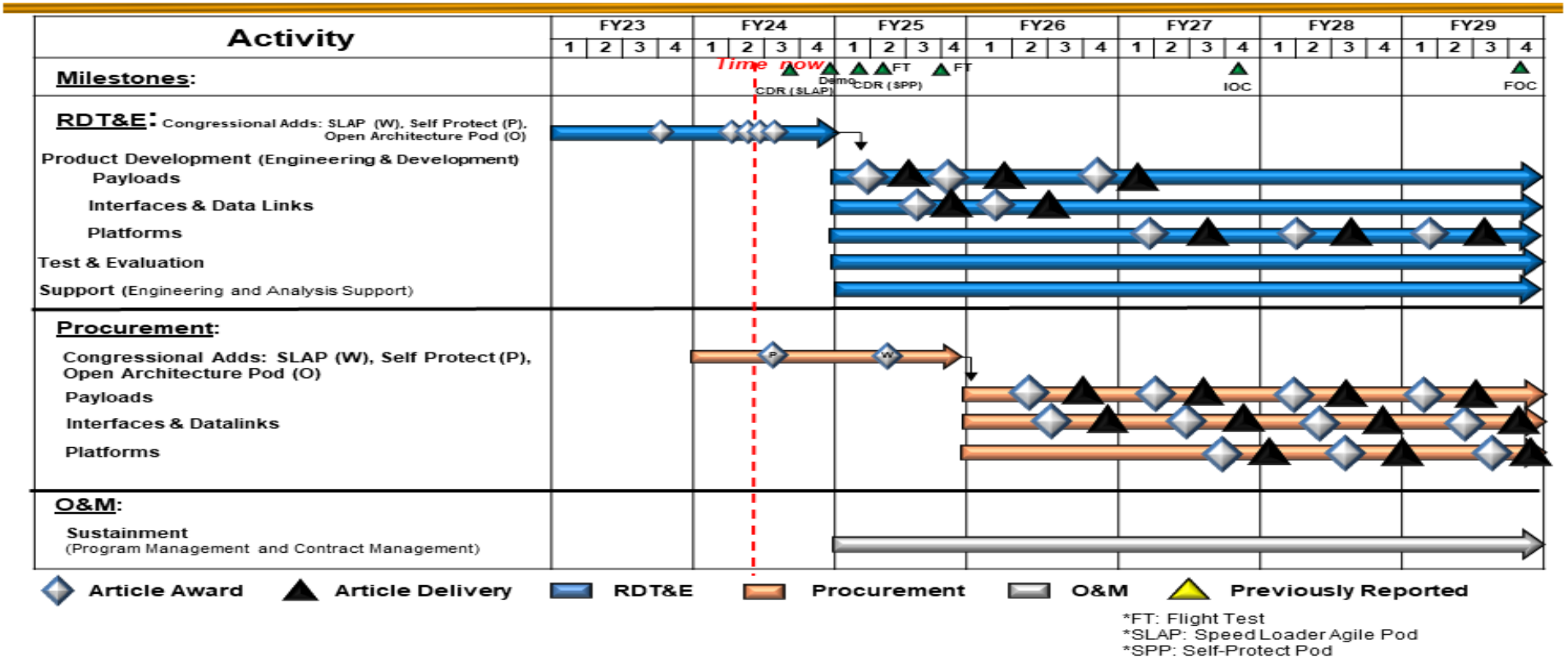


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Electronic Warfare - Radio Frequency Countermeasures (EW-RFCM)				
Spiral Development and Test	1	2023	4	2029
Baseline Development, Design, and Test	1	2023	2	2024
Developmental Test and Operational Test (DT/OT) AC-130J	1	2023	3	2024
DT/OT #1 MC-130J	2	2023	3	2024
Precision Strike Package (PSP) for Special Operations Forces (SOF)				
Aft Weapon System and Crew Optimization Product Development	2	2024	4	2026
Active Electronically Scanned Array (AESA) Product Development	2	2025	4	2027
Developmental Test & Evaluation	2	2025	4	2027
High Energy Laser (HEL)				
Integration / Ground Testing	1	2023	1	2024
Flight Testing / Demonstration	1	2023	3	2024
Aircraft Modification / Checkout	2	2024	3	2024
Aircraft Flights	3	2024	4	2024
MH-47G and MH-60M SOF Common Terrain Following (TF) / Terrain Avoidance (TA) Silent Knight Radar (SKR)				
Software Development	1	2023	4	2029
Developmental Test and Evaluation	1	2023	4	2029
Next Generation Aviation Engineering Analysis (AEA)				
AEA Efforts (Various)	1	2023	4	2029
High Speed Vertical Take Off and Landing (HSVTOL)				
HSVTOL Design Concepts	1	2023	3	2023

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF100 / *Aviation Systems Advanced Development*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Industry Engagement Activities and Selection	1	2023	4	2023
MC-130J Amphibious Capability (MAC)				
Market Research Amphibious Capability	1	2023	3	2023
Analysis of Alternative Light	3	2023	2	2024
C-130J Rolls Royce Engine Analysis	2	2024	4	2024
Amphibious C-130J Engineering Modeling and Subscale Hydro and Wind Tunnel Testing	1	2023	4	2024
Build up of Full-Scale Assemblies and Testing	1	2025	2	2026
Install, Float & Fly Demonstration	3	2026	1	2027
Adaptive Airborne Enterprise (A2E)				
Product Development	2	2025	4	2029
Developmental Test & Evaluation	2	2025	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command											Date: March 2024	
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*				Project (Number/Name) SF200 / *CV-22*			
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**
SF200: *CV-22*	83.227	11.757	21.619	15.727	-	15.727	19.064	19.445	19.834	20.231	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 212

A. Mission Description and Budget Item Justification

This project supports integration, design, development, rapid prototyping, and test to provide improved capabilities to include, but not limited to: more robust performance in situational awareness (SA); intelligence, surveillance, and reconnaissance (ISR), weapons, avionics; Special Operations Forces (SOF) communications; defensive/ survivability systems; interoperability; speed and maneuverability; mission deployment and improved reliability and maintainability of the CV-22 platform. The CV-22 Osprey is a SOF variant of the V-22 vertical medium lift, multi-mission aircraft. The CV-22 provides long-range, high speed, all weather, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive as stated in the 2022 National Defense Strategy (NDS). These capabilities are not currently provided by other existing SOF vertical lift aircraft. Funding supports the following CV-22 requirements: CV-22 SOF Common Terrain Following (TF) / Terrain Avoidance (TA) Silent Knight Radar (SKR), Block 20 Development, Reliability Improvements, and Test Aircraft Flying Hours and Maintenance.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: SOF Common TF/TA SKR, Program Number 44Z	11.757	2.500	6.100
Description: Supports development of the CV-22 SOF Common TF/TA SKR Operational Flight Program (OFP) software, and development of CV-22 platform software and hardware to support integration and testing. This effort provides radar improvements for long range, night/adverse weather, clandestine penetration of medium-to-high threat areas for infl, exfil, and resupply of SOF forces. The more sustainable and capable radar, the APQ-187, replaces the obsolete APQ-186 TF/TA radar currently integrated on CV-22 aircraft. ***FY 2024 Plans:*** Correct deficiencies to the CV-22 SOF Common TF/TA SKR OFP discovered during flight testing. ***FY 2025 Plans:*** Completes developmental test and evaluation of SOF Common TF/TA SKR OFP integration. Begins developing advanced radar weather penetrating capabilities. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $3.600 million corrects deficiencies to the CV-22 SOF Common TF/TA SKR Operational Flight Program discovered during flight testing and develops advanced radar weather penetrating capabilities.			
Title: CV-22 Development, Program Number 773	-	8.069	5.127

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF200 / *CV-22*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Description: CV-22 development supports design, integration, and testing of CV-22 avionics upgrades and correction of deficiencies to include, but not limited to electronic warfare upgrades, improved crew interface functionality, weapon systems, and Airborne Mission Networking (AbMN). Efforts include incremental development to improve capabilities to, but not limited to situational awareness, intelligence, surveillance, and reconnaissance, weapons, SOF communications, avionics, interoperability and defensive survivability systems. ***FY 2024 Plans:*** Begin developing AbMN capabilities including, but not limited to, designing the aircraft information architecture and creating an environment to develop a fully integrated AbMN capability suite. ***FY 2025 Plans:*** Develops an integrated AbMN hardware and software system to receive, process, display, and disseminate battlespace information. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $2.942 million is due to a transition of funding to develop and test solutions for SKR Operational Flight and Program deficiencies.			
Title: CV-22 Reliability Improvements ***Description:*** Supports design, integration, test and validation of system, and sub-system, reliability enhancements to meet required aircraft availability and operational requirements. Reliability Improvements accelerate fielding and retrofitting system design improvements directly increasing CV-22 fleet readiness. Efforts include design and re-design enhancements of components that impact aircraft reliability. ***FY 2024 Plans:*** Investigate and identify CV-22 Hard Clutch Engagement (HEC) root cause. Other efforts include, but not limited to, alternative clutch designs, developing a gearbox vibration monitoring system, and expanding on-board maintenance data collection ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $4.780 million is due to a change in acquisition strategy from designing, developing, testing, and deploying improved parts to procuring additional existing parts and implements a more frequent maintenance/replacement of the part.	-	4.780	-
Title: Test Aircraft Flying Hours and Maintenance ***Description:*** Supports development flight testing and maintenance of the test CV-22 aircraft to ensure integration of the CV-22 SOF Common TF/TA SKR. Efforts include conducting developmental test flights and maintenance required to execute the aircraft for test sorties.	-	6.270	4.500

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF200 / *CV-22*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Support flying and maintaining two test CV-22 aircraft to conduct SOF Common TF/TAR SKR and other developmental tests as required. ***FY 2025 Plans:*** Continues supporting flying hours and maintaining two test CV-22 aircraft to conduct developmental flight tests. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $1.770 million is due to fewer flying hours forecast to support FY 2025 flight test activities.			
Accomplishments/Planned Programs Subtotals	11.757	21.619	15.727

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/1000CV22: *CV-22 SOF Modification*	78.726	75.981	49.403	-	49.403	19.719	17.551	52.281	53.538	Continuing	Continuing

Remarks

D. Acquisition Strategy

When possible, rapid prototyping will be incorporated in the acquisition strategies below to develop, demonstrate, and evaluate residual operational capabilities. The SKR was developed by the United States Special Operations Command (USSOCOM) to provide a SOF Common TF/TA capability for SOF aircraft. The SKR replaces the obsolete APQ-186 TF/TA multimode radar on the CV-22. The acquisition strategy for the CV-22 SOF Common TF/TA SKR program is to procure radar units and radar software modifications through the USSOCOM SKR program management office, buy aircraft modification kits, and integrate SKR into CV-22 aircraft using a mixture of both sole source and competitive contracts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF200 / *CV-22*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) Operational Flight Program (OFP) Development	C/CPFF	Various : Various	39.903	1.062	Feb 2023	-		1.200	Mar 2025	-		1.200	Continuing	Continuing	-
SOF Common TF/TA SKR Integration	C/CPFF	Various : Various	31.815	1.685	Feb 2023	-		1.000	Mar 2025	-		1.000	Continuing	Continuing	-
CV-22 Development	Various	Various : Various	0.337	-		8.069	Apr 2024	5.127	Mar 2025	-		5.127	Continuing	Continuing	-
Reliability Improvements	C/Various	Various : Various	-	-		4.780	Apr 2024	-		-		-	0.000	4.780	-
		Subtotal	72.055	2.747		12.849		7.327		-		7.327	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Aircraft Flying Hours and Maintenance Developmental	C/Various	Various : Various	-	-		6.270	Feb 2024	4.500	Feb 2025	-		4.500	Continuing	Continuing	-
SOF Common TF/TA SKR - OFP Developmental	C/CPFF	Various : Various	6.694	1.200	Feb 2023	1.000	Nov 2023	1.000	Mar 2025	-		1.000	Continuing	Continuing	-
SOF Common TF/ TA SKR- Integration Developmental	C/CPFF	Various : Various	4.478	7.810	Feb 2023	1.500	Nov 2023	2.900	Mar 2025	-		2.900	Continuing	Continuing	-
		Subtotal	11.172	9.010		8.770		8.400		-		8.400	Continuing	Continuing	N/A

Remarks

Test Aircraft Flying Hours and Maintenance costs were previously reported under Test and Evaluation / CV-22 SOF Common TF/TA SKR-Integration Developmental.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	83.227	11.757		21.619		15.727		-		15.727	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF200 / *CV-22*	

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF200 / *CV-22*

CV-22 Schedule

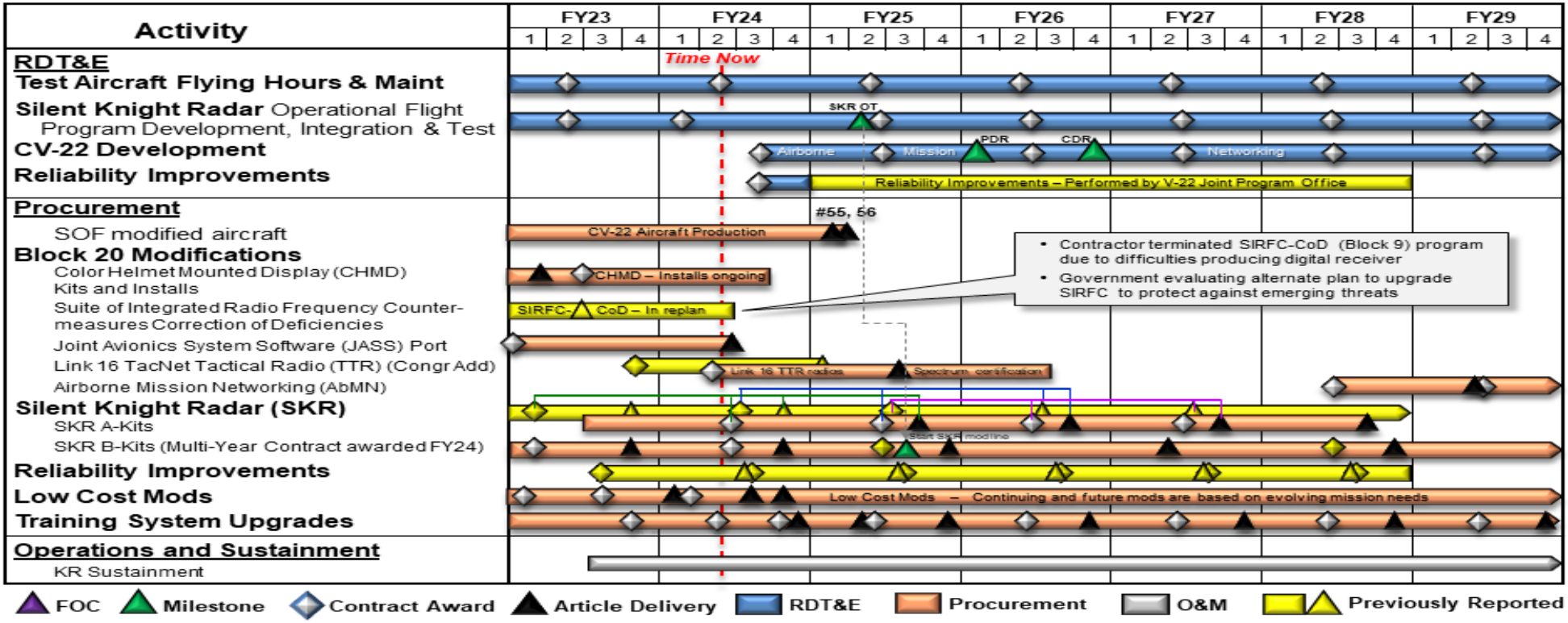


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF200 / *CV-22*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
CV-22				
Test Aircraft Flight Hours and Maintenance	1	2023	4	2029
Special Operations Forces (SOF) Common Terrain Following (TF) / Terrain Avoidance (TA) Silent Knight Radar (SKR)	1	2023	4	2029
Block 20 Development - Airborne Mission Networking (formerly Survivability and Situational Awareness)	3	2024	4	2029
Reliability Improvements	3	2024	4	2024

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF300 / *Armed Overwatch/Targeting*	

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
SF300: *Armed Overwatch/ Targeting*	45.388	1.156	2.000	2.000	-	2.000	2.000	4.000	5.000	5.100	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports integration and testing of SO-peculiar capabilities and aircraft certification efforts for the Armed Overwatch program. Armed Overwatch provides Special Operations Forces (SOF) with crewed deployable, affordable, and sustainable crewed aircraft systems capable of executing close air support (CAS), precision strike, and armed intelligence, surveillance, and reconnaissance (ISR) requirements in austere and permissive environments for use in Irregular Warfare operations that are in support of the 2022 National Defense Strategy (NDS).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Armed Overwatch/Targeting, Program Number 814	1.156	2.000	2.000
Description: The funding in this project supports integration and testing of SO-p capabilities and aircraft certification efforts. ***FY 2024 Plans:*** Continue SOF integration, testing, and aircraft certification efforts. Initiate modular capability enhancements and payload integration activities for SOF secure communications, sensors, and targeting systems. ***FY 2025 Plans:*** Continues SOF integration, testing, and aircraft certification efforts. Continues modular capability enhancements and payload integration activities sensors and targeting systems, and initiates weapon upgrades capitalizing on Armed Overwatch's modular and open architecture to rapidly reconfigure platform capability tailored to support Special Operations ground force needs.			
Accomplishments/Planned Programs Subtotals	1.156	2.000	2.000

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0201ARMOWT: *Armed Overwatch/Targeting*	246.000	266.846	335.487	-	335.487	246.802	228.196	1.322	1.348	Continuing	Continuing

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF300 / *Armed Overwatch/Targeting*

D. Acquisition Strategy

Armed Overwatch: These technologies were pursued through industry partners via rapid prototyping. The USSOCOM Acquisition Executive approved the program's transition to the Major Capability Acquisition pathway at Milestone C and award of the follow-on production contract in 4th QTR FY 2022. The production contract was awarded 31 July 2022; certification and verification testing began immediately following award.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF300 / *Armed Overwatch/Targeting*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Armed Overwatch/ Targeting: Special Operations Forces Integration, Testing and Aircraft Certification	C/FFP	Various : Various	30.296	1.156	Jun 2023	-		0.750	Mar 2025	-		0.750	Continuing	Continuing	-
Modular Payload Integration and Certification	C/FFP	Various : Various	-	-		1.500	Mar 2024	0.500	Mar 2025	-		0.500	Continuing	Continuing	-
		Subtotal	30.296	1.156		1.500		1.250		-		1.250	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Armed Overwatch Integration, Testing, and Aircraft Certification	Various	Various : Various	7.550	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	7.550	-		-		-		-		-	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Armed Overwatch Verification Testing	C/FFP	Various : Various	1.029	-		-		0.400	Dec 2025	-		0.400	Continuing	Continuing	-
Armed Overwatch Live Fire Test & Evaluation	C/FFP	Various : Various	6.200	-		-		-		-		-	Continuing	Continuing	-
Modular Payload Operational Test	C/FFP	Various : Various	0.313	-		0.500	Mar 2024	0.350	Mar 2025	-		0.350	Continuing	Continuing	-
		Subtotal	7.542	-		0.500		0.750		-		0.750	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) SF300 / *Armed Overwatch/Targeting*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	45.388	1.156		2.000		2.000		-		2.000	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF300 / *Armed Overwatch/Targeting*

Armed Overwatch Schedule

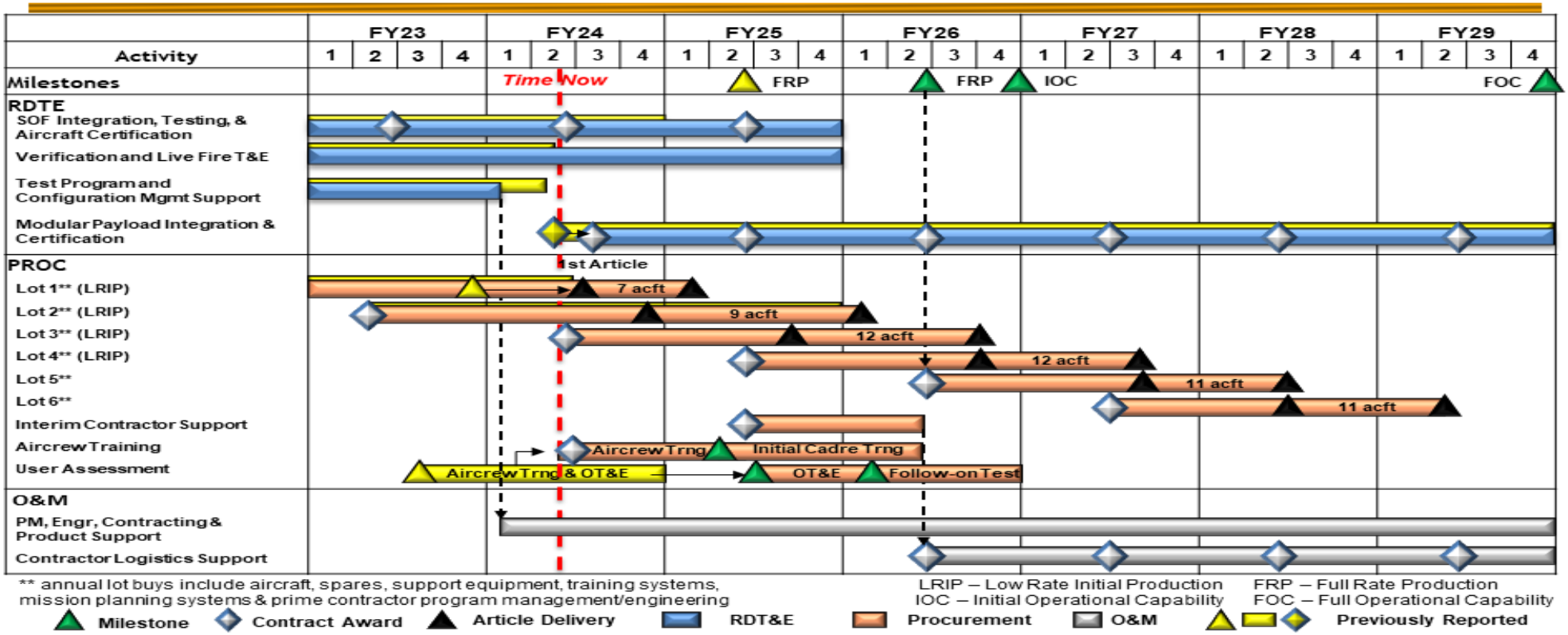


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** SF300 / *Armed Overwatch/Targeting*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Armed Overwatch/Targeting				
Special Operations Forces Integration, Testing, and Aircraft Certification	1	2023	4	2025
Verification and Live Fire T&E	1	2023	4	2025
Test Program and Configuration Management Support	1	2023	1	2024
Modular Payload Integration & Certification	2	2024	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) S750 / *Mission Training and Preparation Systems*	

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
S750: *Mission Training and Preparation Systems*	70.394	13.343	3.453	5.361	-	5.361	8.650	7.114	7.213	3.840	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project funds the definition, design, development, prototyping, integration, and testing of Mission Training and Preparation Systems (MTPS) to support training, avoid obsolescence, and maintain simulator concurrency with weapon system configurations; support mission planning and rehearsal systems enhancements required to meet Special Operations-peculiar (SO-p) mission requirements and correct deficiencies identified in previous testing; and support mission planning and rehearsal capabilities in current MTPS. The MTPS project also includes program management, systems engineering, configuration management, architecture development, risk reduction, and trade study initiatives, as well as initiatives to assure interoperability and commonality between diverse SOF training systems. Additionally, this project funds the Extended Reality (XR) Training Transformation Simulator Block Upgrade Fixed Wing (SBUDF) program that develops and integrates training innovation and transformation solutions across the United States Special Operations Command (USSOCOM) fixed wing and special tactics augmented and virtual reality (AR/VR) mission training device portfolio, to include AC-130J, MC-130J, CV-22, Armed Overwatch and C-146.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Training Transformation Simulator Block Upgrades (SBUDF)	2.801	3.453	5.361
Description: Develops and integrates training innovation and transformation solutions across the USSOCOM fixed wing and special tactics training device portfolio, to include AC 130J, MC-130J, CV-22, Armed Overwatch, and C-146. These efforts include further developing and integrating augmented reality (AR), virtual reality (VR), and mixed reality technology and applying the technology to SO-peculiar missions and platforms in support of combat readiness and SOF operator mission qualification. These initiatives are not intended to replace existing traditional USSOCOM training devices and full motion simulators, but will rather mitigate current training limitations as well as enhance and complement existing training capabilities. The SBUDF will also support the development of advanced instructor and student feedback systems and artificial intelligence capabilities to increase the fidelity, quality, and efficiency of the USSOCOM training pipeline.			
FY 2024 Plans: Continue spiral development of AC-130J aircrew/maintenance AR/VR mission training devices and modules, while initiating development for MC-130J and Armed Overwatch aircrew/maintenance applications and incorporating emerging technology into existing solutions. Additionally, funds development and incorporation of artificial intelligence (AI) feedback systems into existing training platforms.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continues spiral development of AC-130J and Armed Overwatch aircrew/maintenance AR/VR mission training devices, modules and AI feedback systems. Additionally, initiate development of an integrated AR live aircraft training capability for the MC-130J, which will allow for more realistic, immersive, and repeatable live range training by utilizing digitally rendered friendly and adversary assets and terrain in absence of real world assets or terrain features. Some examples of live training scenarios that could utilize this live AR capability include threat reaction, aerial refueling approach, formation flying, and terrain avoidance scenarios. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** $1.908 million Increase, supports developmental efforts focused on increasing realism in graphics and functionality within virtual reality (VR) training devices for AC/MC-130J and initiation of development of integrated, augmented reality (AR) training capability for use in live MC-130J flights.			
Title: Special Operations Mission Planning and Execution (SOMPE), Program Number 838 ***Description:*** The SOMPE program develops, integrates, tests, and validates software enhancements required to meet SO-p requirements for, and correct deficiencies to, mission planning, preview, and execution software tools to support all phases of SOF operations from deliberate to time-critical. The SOMPE automates time-sensitive planning activities and provides enhanced situational awareness during mission execution. The SOMPE provides the interoperable environment for SOF adaptive planning to integrate global operations including, but not limited to, precision strike software, digital navigation, and Unmanned Aerial Systems (UAS) command and control. This program also provides the integration of SOMPE with multi-dimensional visualization systems, providing immersive mission rehearsal in minimal timeframes from the SOMPE mission plan. The SOMPE is embedded in the United States Special Operations Command (USSOCOM) Headquarters, Theater Special Operations Commands (TSOC), Joint Special Operations Task Forces, Joint Special Operations Aviation Components, SOF warfighters, and SOF warfighter platforms directly supporting the 2022 National Defense Strategy focus on integrated deterrence, crisis and conflict.	10.542	-	-
Accomplishments/Planned Programs Subtotals	13.343	3.453	5.361

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/5000C13000: *C-130 Modifications*	16.893	18.796	-	-	-	-	-	-	-	0.000	35.689
• PROC/0207NSAV: *Non-Standard Aviation*	5.026	25.782	8.400	-	8.400	34.758	33.622	43.934	54.811	Continuing	Continuing
• PROC/1000CV2200: *CV-22 Modification*	78.726	75.981	49.403	-	49.403	19.719	17.551	52.595	53.538	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*	

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204OTHER: *Other Items <$5M*	78.434	82.910	74.173	-	74.173	80.968	95.025	73.440	86.693	Continuing	Continuing
• PROC/0607U28: *U-28*	4.589	7.198	5.259	-	5.259	2.031	-	-	-	0.000	19.077
• PROC/0201RWUPGR: *Rotary Wing Upgrades and Sustainment*	224.134	261.012	220.301	-	220.301	190.270	193.662	203.051	207.501	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Training Transformation SBUDF program will utilize Naval Surface Warfare Center (NSWC) Dahlgren Division as the Government lead system integrator, while incorporating commercial off-the-shelf hardware/software solutions and competitive as well as sole source contracts to support spiral development of training transformation initiatives.

The SOMPE program employs the software acquisition pathway, leveraging commercial government sources, to facilitate rapid product development and delivery of software solutions using modern software development practices such as agile software development, Development Security and Operations (DevSecOps), and lean practices. SOMPE implements a modular open system approach that leverages commercial and government sources, including Science and Technology and Small Business Innovative Research programs within and outside of the United States Special Operations Command (USSOCOM), to quickly prototype, integrate, test, and deploy emerging technologies for decision support in all domains. This development strategy enables the program to design, develop, operationally test and deliver software quickly based on dynamic and emergent SO-peculiar operational requirements to achieve the USSOCOM's vision of obtaining strategic, asymmetric advantages for the nation in integrated deterrence, crisis, and conflict.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Training Transformation Simulator Block Upgrades Fixed Wing Augmented Reality/ Virtual Reality Device Spiral Development	Various	Various : Various	-	2.801	Mar 2023	3.453	Jan 2024	5.361	Jan 2025	-		5.361	Continuing	Continuing	-
Special Operations Mission Planning and Execution (SOMPE) Software Development, Security, Operations (DevSecOps)	Various	Various : Various	56.704	8.971	Jan 2023	-		-		-		-	Continuing	Continuing	-
		Subtotal	56.704	11.772		3.453		5.361		-		5.361	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOMPE Software	MIPR	Special Operations Mission Planning Office : Various	3.872	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	3.872	-		-		-		-		-	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOMPE Exercise & Limited Objective Operational and Developmental Test Events	Various	Various : Various	9.818	1.571	Nov 2022	-		-		-		-	Continuing	Continuing	-
		Subtotal	9.818	1.571		-		-		-		-	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) S750 / *Mission Training and Preparation Systems*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	70.394	13.343		3.453		5.361		-		5.361	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

Training Transformation SBUDF Schedule

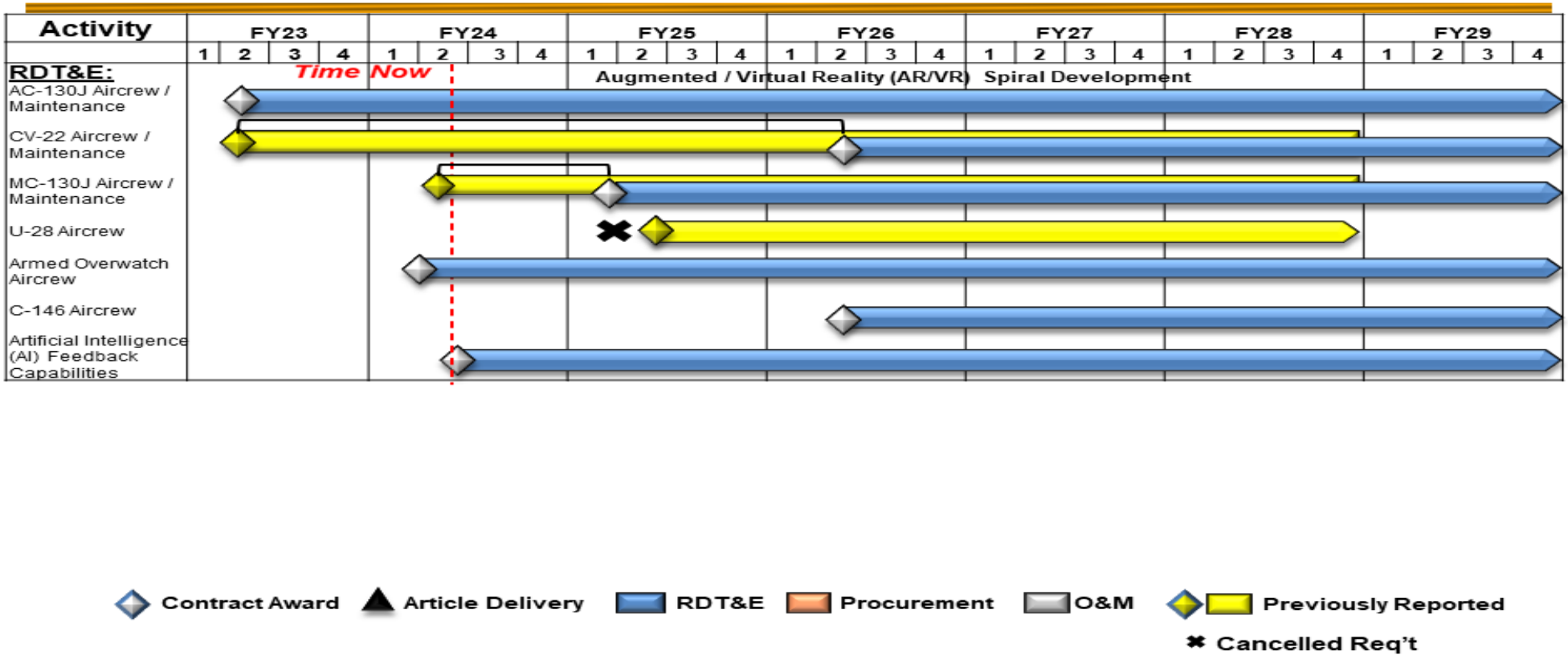


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

Training Transformation SBUDF Schedule (Continued)

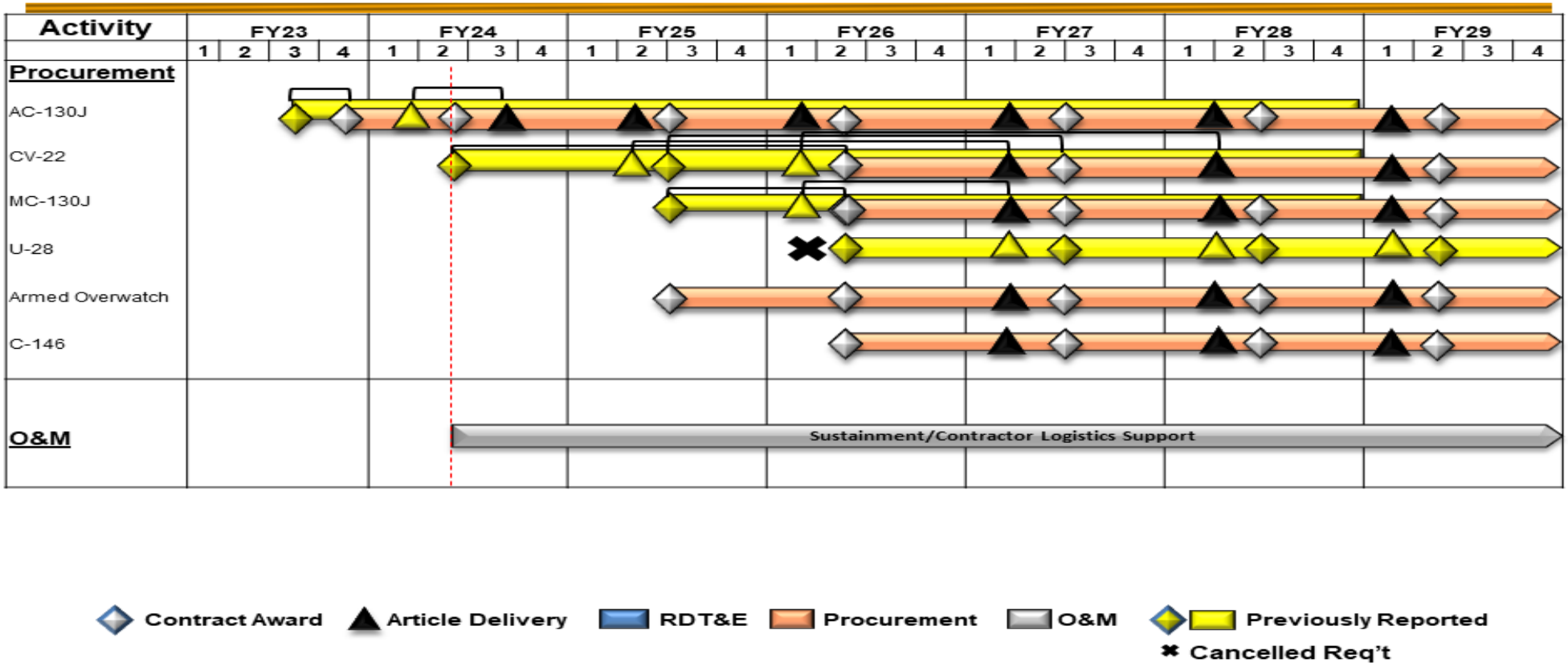


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

Special Operations Mission Planning and Execution (SOMPE) Schedule

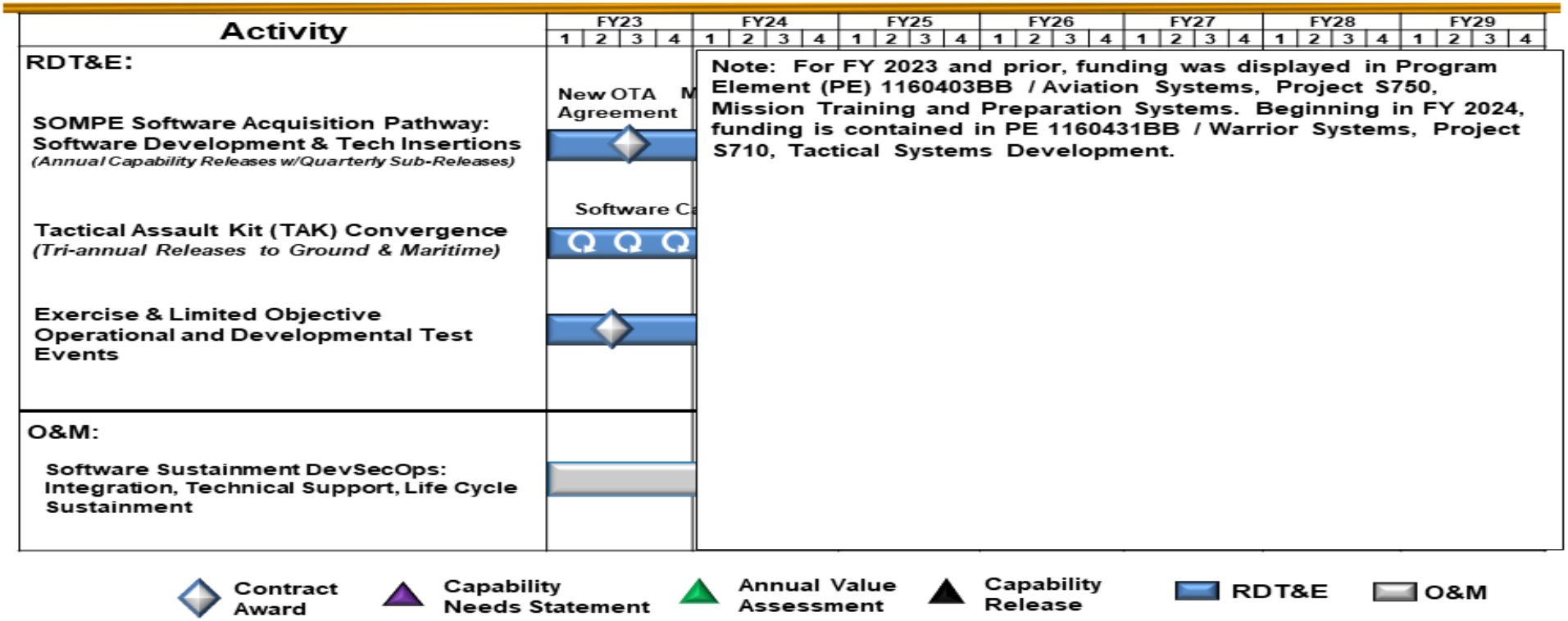


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S750 / *Mission Training and Preparation Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Training Transformation Simulator Block Upgrades Fixed Wing				
Augmented Reality/Virtual Reality (AR/VR) Device Spiral Development AC-130J Aircrew / Maintenance	2	2023	4	2029
AR/VR Device Spiral Development CV-22 Aircrew / Maintenance	2	2026	4	2029
AR/VR Device Spiral Development MC-130J Aircrew / Maintenance	1	2025	4	2029
AR/VR Device Spiral Development Armed Overwatch Aircrew	2	2025	4	2029
AR/VR Device Spiral Development C-146 Aircrew	2	2026	4	2029
Artificial Intelligence Feedback Capabilities	2	2024	4	2029
Special Operations Mission Planning and Execution (SOMPE)				
Software Acquisition Pathway: Software Development and Tech Insertions	1	2023	4	2023
Tactical Assault Kit (TAK) Convergence	1	2023	4	2023
Exercise & Limited Objective Operational and Developmental Test Events	1	2023	4	2023

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) S875 / *AC/MC-130J*	

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
S875: *AC/MC-130J*	186.820	40.038	65.496	74.616	-	74.616	44.757	23.934	24.217	24.341	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the development, rapid prototyping, integration, automation, and testing of the AC-130J and MC-130J aircraft. The AC-130J Ghostrider provides close air support (CAS), air interdiction, and armed reconnaissance in support of special operations and conventional forces in contested and degraded environments. The MC-130J Commando II provides clandestine, or low visibility, single or multiship, low-level infiltration (infil), exfiltration (exfil), and resupply of Special Operations Forces (SOF), by airdrop or airland and air refueling missions for special operations helicopters and tiltrotor aircraft, intruding politically sensitive or hostile territories. Incremental upgrade and agile software delivery approaches will be used to rapidly prototype, integrate and mature SOF capabilities onto the AC-130J and MC-130J aircraft. Capability Release Two (CR2) includes the following SOF modifications: Special Mission Systems (SMS), Auxiliary Flight Deck Station (AFDS), Defensive System Upgrade (DSU), Terrain Following (TF) / Terrain Avoidance (TA) radar, Airborne Mission Networking (AbMN), and Electronic Warfare (EW) / Radio Frequency Countermeasures (RFCM) programs. Additionally, Capability Release Three (CR3) builds upon the CR2 configuration through integration of an enhanced Tactical Flight Management System (TFMS), Auto-Route Replanner (ARR), integrated Defensive Countermeasure (DCM) Suite implemented in alignment to the Open Mission Systems (OMS) standard reference architecture and hosted on an upgraded Next Generation SMS. Efforts like Integrated Tactical Mission Systems (ITMS) in CR3 provides critical automation and integration of SOF Tactical Mission Systems (TMS), including navigation, communication, precision fire control and defensive systems required for safe flight in AC-130J and MC-130J aircraft. Requirements include upgrades to integrate and automate SOF TMS such as AbMN interoperability, data fusion and improved situational awareness, improved threat detection and avoidance, integrated TF / TA and Silent Knight Radar (SKR) improvements, DCM suite, Precision Strike Package (PSP) interoperability, integrated EW, and embedded training. Integrating and automating SOF mission systems that deliver these capabilities is critical to fielding SOF-capable AC-130J and MC-130J aircraft to be more lethal, resilient, survivable, agile, and responsive in support of the 2022 National Defense Strategy (NDS). MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Integrated Tactical Mission Systems (ITMS), Program Number 780	40.038	65.496	63.116
Description: Provides critical automation and integration of SOF TMS, including navigation, communication, precision fire control and aircraft defensive systems required for safe flight in AC-130J and MC-130J aircraft. The ITMS program increases operational crew performance and aircraft survivability by integrating the AC/MC-130J green aircraft and multiple SOF mission systems as an interoperable system-of-systems. Automated software capabilities will be developed, integrated, and tested with SOF-peculiar and green aircraft flight information, displays, and controls through the Special Mission Systems (SMS) suite. By increasing system-of-systems data interoperability through an Open Mission Systems (OMS) compliant Modular Open System Architecture (MOSA), an agile software development infrastructure will be employed to integrate multiple subsystems and continuously deliver automated software capabilities. Capabilities include, but are not limited to: automated route replanning; tactical flight management; integrated aircraft defensive systems; defensive countermeasures (DCM); and embedded training.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
The Next Generation Special Mission Processor (SMP) resolves current diminishing manufacturing sources issues with a MOSA compliant design to perform central processing for ITMS software. The ITMS enables dynamic operations with integrated real-time information, automation, and decision making data for safe TF/TA flight and mission execution on MC-130J aircraft and seamless employment of the PSP on AC-130J aircraft. ***FY 2024 Plans:*** Continue development, demonstration, and test of common interfaces to integrate legacy, current, and future mission systems into an interoperable systems architecture for both MC-130J and AC-130J aircraft. Continue to identify, prototype, demonstrate, and enhance modern OMS compliant capabilities of: pre-mission software; common payload interfaces; automated sensor tip/cue; enhanced cybersecurity management software; automated weapons planning and management; and applications of BMS software in support of multi-role aircraft capabilities and roll-on/roll-off systems. Complete MC-130J TFMS minimum viable product integration and test, and continues software DevSecOps to improve avionics interoperability with mission systems. Begin MC-130J integration and test of minimum viable products for onboard ARR and DCM capabilities on Next Gen SMP hardware. Continue capability maturation of software services for TFMS and ARR products to improve operations-based software performance. Continue development of DCM capabilities for both the MC-130J and AC-130J aircraft. ***FY 2025 Plans:*** Continues development, demonstration, and test of integration of new and existing systems into a Modular Open Systems Architecture (MOSA) aligned to the Open Mission Systems (OMS) reference architecture for both AC-130J and MC-130J. Integrates existing defensive systems with the prototype mission package for consolidated situational awareness and control to support AFSOC survivability and reduce crew compliment aircraft needs, including completion of data gateway adapters to the defensive systems. Continues integration of the Tactical Flight Management System (TFMS) with the MC-130J avionics to support AFSOC-unique aviation operations. Initial integration of AC-130J unique capabilities with the OMS mission package is performed, with development and demonstration of OMS-enabled lethality optimization services on the Precision Strike Package (PSP) for the AC-130J. Efforts are underway to incorporate digital engineering infrastructure and principles supporting these efforts, including completion of stand-up of an enterprise Integrated Digital Environment (IDE), continued development of a Government System Model, and initial deployment of DevSecOps services focused on a common software service repository. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** $2.380 million decrease due to the completion of common interfaces to integrate legacy and current mission systems, less effort for tactical map enhancements, and release of the onboard Automated Route Replanner (ARR) initial capability on Next Generation Special Mission Processor (SMP) hardware for MC-130J.			
Title: MC-130J Amphibious Capability (MAC) ***Description:*** THE MAC supports development and demonstration of amphibious capabilities on a C-130J to support runway independent operations and provide the ability to operate in logistically constrained environments.	-	-	11.500

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2025 Plans: Continues aircraft performance modeling. Begins full scale manufacturing and fabrication of test article beam assembly, truss assembly, and the floatation system. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $11.500 million is due to transition of MAC capabilities from SF100: Aviation Systems Advanced Development to S875: AC/MC-130J, which supports the fabrication and testing of full-scale test articles. Decrease of $3.5 million from original amount of $15 million (originally reported under Project SF100, Aviation Systems Advanced Development), is due to completion of detailed design activities in FY 2024, with fabrication beginning in FY 2025.			
Accomplishments/Planned Programs Subtotals	40.038	65.496	74.616

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/2012C130J: *AC/MC-130J*	222.869	319.754	300.892	-	300.892	319.441	386.667	410.950	438.665	Continuing	Continuing
• PROC/1202PSP: *Precision Strike Package*	57.450	108.497	69.917	-	69.917	72.285	58.113	59.211	61.306	Continuing	Continuing

Remarks

D. Acquisition Strategy

ITMS: Award two sole source contracts to key prime integrators to develop and maintain an open mission system compliant MOSA, integrate legacy subsystems into the common architecture, support government on-boarding of 3rd party capabilities, and modernize software services through DevSecOps. Perform operationally driven rapid prototyping and demonstrations to evaluate new technology for system integration while informing changes to tactics, techniques, and procedures. Government lead development of virtual environment to enable collaborative integration of modular software services procured through competitive, sole source contracts, and use of open mission system compliant standards for hardware and software architecture, software, services, and future subsystems. Perform combined government and contractor integration, lab, and flight development/operational testing.

MAC: Utilize Government partners, labs and Industry partners through multiple contract awards to perform engineering analysis in the areas of hydrodynamics, structural loads, and flight performance modeling. In addition award contract to design, build and install test article.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) S875 / *AC/MC-130J*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Tactical Mission System (ITMS) - AC/MC-130J Systems Interoperability & Tactical Map Enhancements	C/Various	Sierra Nevada Corporation : Nevada	53.388	5.108	Dec 2022	8.867	Dec 2023	5.955	Dec 2024	-		5.955	Continuing	Continuing	-
ITMS - Open Mission System (OMS) Capabilities	C/Various	Various : Various	15.288	5.780	Dec 2022	9.805	Dec 2023	11.178	Dec 2024	-		11.178	Continuing	Continuing	-
ITMS - MC-130J Software Capability Development	C/CPFF	Lockheed Martin Aeronautics : Marietta	27.222	10.566	Dec 2022	21.703	Dec 2023	18.054	Dec 2024	-		18.054	Continuing	Continuing	-
ITMS - AC-130J Software Capability Development	C/Various	Various : Various	6.153	-		1.826	Dec 2023	3.238	Dec 2024	-		3.238	Continuing	Continuing	-
ITMS - Agile Software Framework Dev & Test	C/Various	Various : Various	11.951	6.830	Mar 2023	7.850	Mar 2024	8.312	Mar 2025	-		8.312	Continuing	Continuing	-
ITMS - NextGen Special Mission Processor (SMP) Development, Integration & Test	C/Various	Various : Various	18.182	-		-		-		-		-	0.000	18.182	-
MC-130J Airborne Mission Networking (AbMN)	C/CPFF	Sierra Nevada Corporation : Centennial, CO	19.712	-		-		-		-		-	0.000	19.712	-
MC-130J Amphibious Capability (MAC)	C/FFP	Various : Various	-	-		-		11.500	Nov 2024	-		11.500	Continuing	Continuing	-
		Subtotal	151.896	28.284		50.051		58.237		-		58.237	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ITMS - Support	C/Various	Various : Various	8.885	3.650	Mar 2023	4.375	Mar 2024	4.893	Mar 2025	-		4.893	Continuing	Continuing	-
		Subtotal	8.885	3.650		4.375		4.893		-		4.893	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ITMS - Integration & Developmental Test	Sub Allot	USSOCOM Detachment 1 : Eglin AFB, FL	22.277	8.104	Mar 2023	11.070	Mar 2024	11.486	Mar 2025	-		11.486	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	C/Various	Lockheed Martin : Atlanta, GA	3.762	-		-		-		-		-	0.000	3.762	-
		Subtotal	26.039	8.104		11.070		11.486		-		11.486	Continuing	Continuing	N/A

Remarks

AC-130J Software Capability Development increase ramps software development, integration and test to improve PSP interoperability and enhance common TFMS, AAR, and DCM software to the AC-130J fleet based on FY 2025 OMS prototype demonstrations.

ITMS - Support decreases due to the completion of common interfaces to integrate legacy and current mission systems and based on execution of the program with minimal risk to development activities.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	186.820	40.038		65.496		74.616		-		74.616	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

Integrated Tactical Mission Systems (ITMS) Schedule

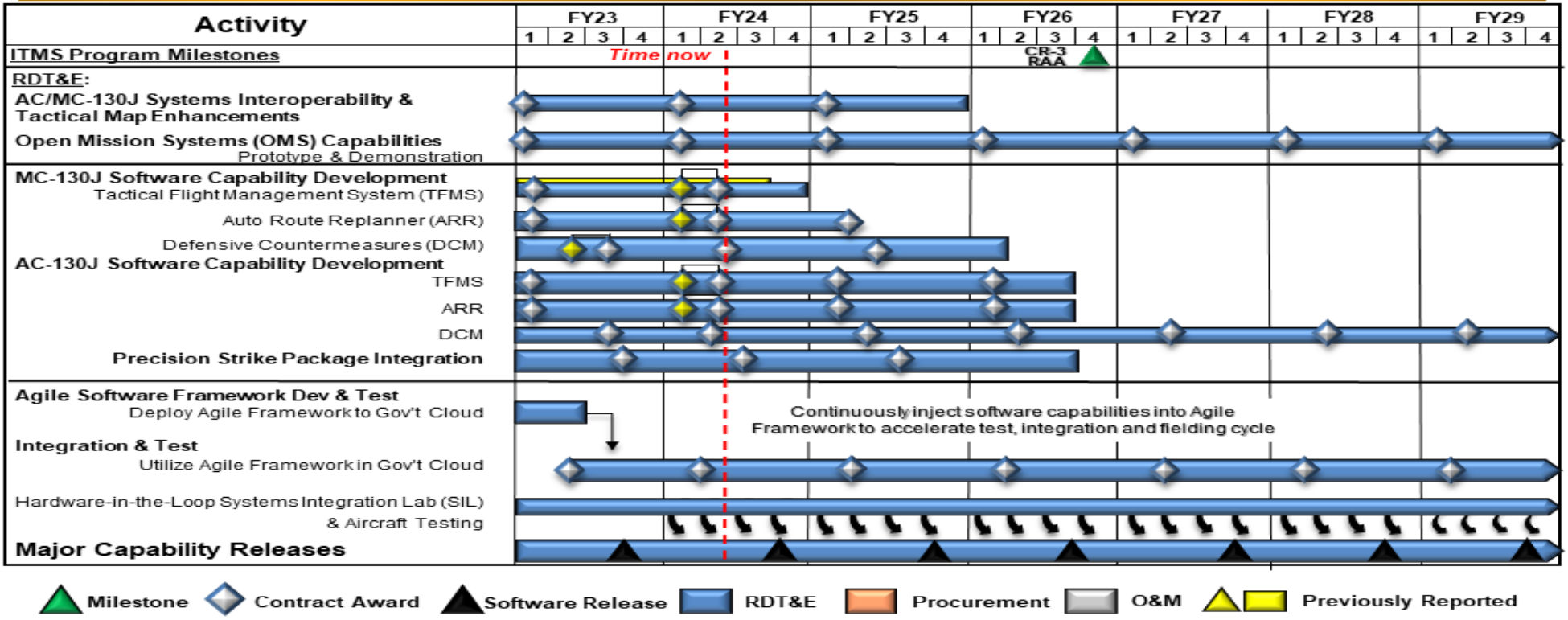
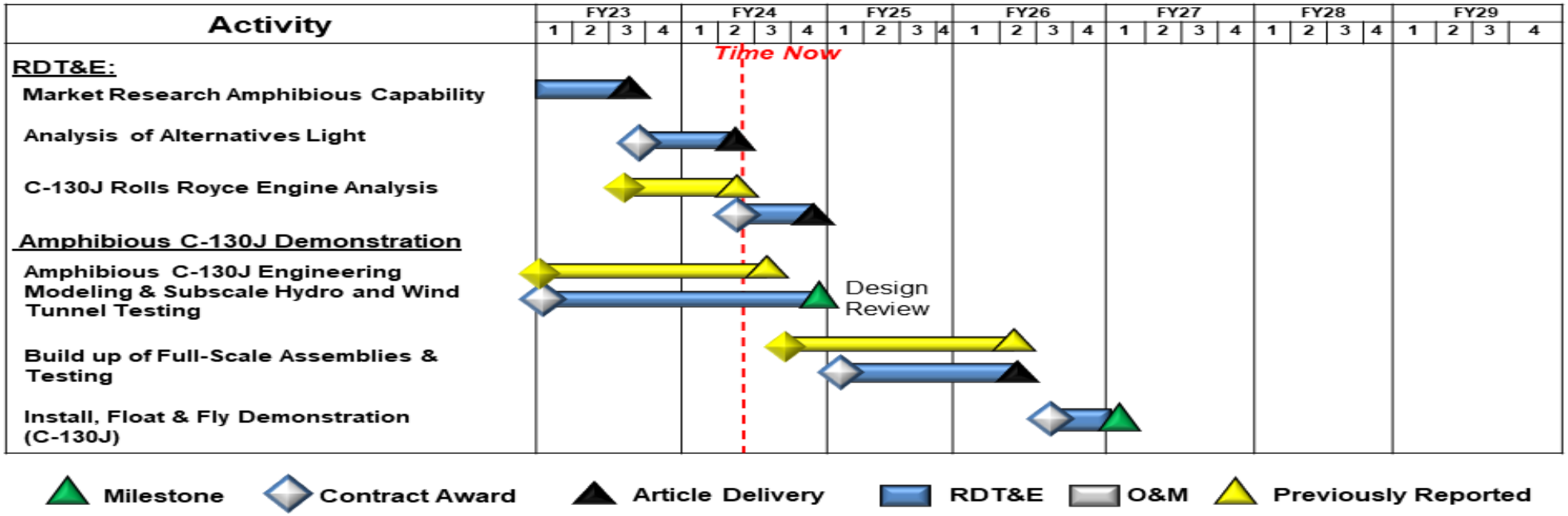


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

MAC Schedule



Note: Beginning in FY 2025, MAC Capabilities have transitioned from Program Element (PE) 1160403BB, Aviation Systems, Project SF100: Aviation Systems Advanced Development to PE 1160403BB Aviation Systems, Project S875: AC/MC-130J

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** S875 / *AC/MC-130J*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Integrated Tactical Mission Systems (ITMS)				
AC/MC-130J Systems Interoperability & Tactical Map Enhancements	1	2023	4	2025
Open Mission System (OMS) Capabilities- Prototype and Demonstration	1	2023	4	2029
MC-130J Software Capability Development - Tactical Flight Management System (TFMS)	1	2023	3	2024
MC-130J Software Capability Development - Auto Route Replanner (ARR)	1	2023	1	2025
MC-130J Software Capability Development - Defensive Countermeasures (DCM)	1	2023	2	2026
AC-130J Software Development - TFMS	1	2023	3	2026
AC-130J Software Development - ARR	1	2023	3	2026
AC-130J Software Development - DCM	1	2023	4	2029
AC-130J Software Development - Precision Strike Package Integration	1	2023	3	2026
Agile Software Framework Development & Test - Deploy Agile Framework to Government Cloud	1	2023	3	2023
Integration &Test - Utilize Agile Framework in Government Cloud	3	2023	4	2029
Integration &Test - Hardware-in-the-Loop Systems Integration Lab (SIL) & Aircraft Testing	1	2023	4	2029
Integration &Test - Major Release Cycles (Delivery Capabilities)	1	2023	4	2029
MC-130J Amphibious Capability (MAC)				
Build up of Full-Scale Assemblies & Testing	1	2025	2	2026
Install, Float & Fly Demonstration (C-130J)	2	2026	1	2027

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) D615 / *Rotary Wing Aviation*	

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
D615: *Rotary Wing Aviation*	379.464	57.665	67.311	59.652	-	59.652	60.924	57.931	58.998	60.145	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the development, rapid prototyping, demonstration, and integration of current and maturing technologies for Special Operations - peculiar (SO-p) rotary wing aviation and training requirements. This project provides next generation mobility to allow SO-p helicopters to operate in denied environments in support of the 2022 National Defense Strategy. Rotary wing aircraft supported by this project include currently fielded: MH-60M; MH-47G; A/MH-6; and future planned Future Vertical Lift (FVL) Future Attack Reconnaissance Aircraft (FARA) and Future Long-Range Assault Aircraft (FLRAA). The currently fielded aircraft provide aviation support to SOF in worldwide contingency operations and low-intensity conflicts. These aircraft must be capable of rapidly deploying, penetrating hostile areas undetected, and operations at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. The anti-access/area denial (A2/AD) threat is characterized by an extensive and sophisticated ground based air defense system and an upgraded air-to-air capability targeted against helicopters. The Mission Processor Upgrades (MPU) provides for non-recurring engineering, systems engineering/testing, and future aircraft architecture studies that support replacement and upgrade of the current mission and video processors for all Army Special Operations Aviation (ARSOA) rotary wing aircraft. Tactical Mission Networking (TMN) focuses on technology development of platform software and hardware systems with capabilities to enable aircraft to effectively adapt and overcome the challenges of a highly contested and congested Radio Frequency (RF) environment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: A/MH-6M Block 3.0 Upgrade, Program Number 828	2.635	2.940	2.999
Description: The A/MH-6 aircraft is the USSOCOM's only urban attack and assault platform and provides reconnaissance, close air support (CAS), precision strike, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas. This specialized aircraft must be capable of worldwide rapid deployment and operations in contested or anti-access/area denial (A2/AD) environments in support of Multi-Domain Operations. The A/MH-6 allows the Joint Force to be more agile and responsive to combat missions, Irregular Warfare and Military Operations Other than War (MOOTW) as stated in the 2022 National Defense Strategy (NDS). This program funds the development and testing of SO-p equipment and modifications for the A/MH-6. It will include software development and testing to integrate new capability, development and qualification of new hardware, and test and evaluation of new weapons, sensors, communications systems, or aircraft modifications that increase system performance.			
FY 2024 Plans: Continue software updates to incorporate communications data upgrades and crypto modernization for enhanced situational awareness incorporating Tactical Assault Kit, and additional software applications in the Tactical Assault Kit. Continue improved			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
main rotor transmission study and improvements to the Full Authority Digital Engine Control (FADEC), and lightweight engine doors exhaust study flight testing. ***FY 2025 Plans:*** Continues software updates to incorporate communications data upgrades and crypto modernization for enhanced situational awareness as well as additional software applications. Begins improving main rotor transmission and continues improvements to the FADEC and lightweight engine doors exhaust flight testing. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.059 million supports lightweight engine doors exhaust flight testing.			
Title: MH-60M Modifications and Upgrades, Program Number 827 ***Description:*** Funds the development and integration of critical technologies for the MH-60 helicopter to include flight test support, engineering analysis, documentation, and airworthiness substantiation. The Block 2.0 effort integrates the Army-common T901 Improved Turbine Engine (ITE) into the MH-60M, replacing the current SO-p engine. Block 2.0 initiatives include, but are not limited to, safety, performance restoration, MH-60 engineering changes and product improvements to SO-p equipment, munitions utilized for testing, modifications to Aircraft Survivability Equipment (ASE) and weapons systems designed to counter rapidly emerging threats, improved lethality, and enhanced aircraft self-protection in the Multi-Domain Operations (MDO) environment and against near peer threats. The MH-60M aircraft provides long-range, high speed, all weather, close air support (CAS), precision strike, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive to combat missions Irregular Warfare and Military Operations Other than War (MOOTW) as stated in the 2022 National Defense Strategy (NDS). ***FY 2024 Plans:*** Continue Payload Restoration efforts and other technologies to improve safety and decrease operational costs to ASE, weapons systems improvements and munitions. Initiate T901 Engine integration efforts on the MH-60M based on an established UH-60M baseline. Begin development of MH-60M T901 software in support of future flight test. ***FY 2025 Plans:*** Continues Payload Restoration efforts and other technologies to improve safety and decrease operational costs to ASE, weapons systems improvements and munitions. Initiates T901 Engine integration efforts on the MH-60M based on an established UH-60M baseline. Continues development of MH-60M T901 software in support of future flight test. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $2.741 million is to support continued product development and testing efforts in support of initiation of the T901 Engine.	3.987	11.910	14.651
Title: Future Vertical Lift (FVL)	9.718	11.668	11.514

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Description: Provides for development of the United States Special Operations Command (USSOCOM) platform capabilities that address SO-p FVL requirements. This FVL family of systems significantly increases range, speed, payload, survivability, reliability, and maintainability of vertical lift aircraft to meet emerging mission requirements. The USSOCOM will participate in the service-common development of a joint FVL aircraft by injecting SO-p requirements and equities into the initial development and design efforts to minimize SO-p modifications to the common aircraft. Additionally, SOF development will maximize the interoperability of the future and enduring fleet's Mission Equipment Packages (MEP) and integration. The FVL aircraft provides long-range, high speed, all weather, close air support (CAS), precision strike, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive to combat missions Irregular Warfare and Military Operations Other than War (MOOTW) as stated in the 2022 National Defense Strategy (NDS). ***FY 2024 Plans:*** Continue Future Long-Range Assault Aircraft (FLRAA) SO-p mission equipment package engineering, integration, and demonstration necessary to support advanced avionics, advanced mission equipment, Radio Frequency Countermeasures (RFCM), Terrain Following/Terrain Avoidance (TF/TA) Sensor, Electro-Optical/Infrared Sensor, Launched Effects (LE) and Degraded Visual Environment (DVE) into the Army single-vendor baseline. Continue Modular Open-System Architecture (MOSA) analysis into a common cockpit with Digital Backbone integrating SO-p mission equipment and initiates software development for select SO-p sensors and weapons. Develop interoperability of MOSA based capabilities to enduring fleet for testing of SO-p mission equipment packages. ***FY 2025 Plans:*** Continues FLRAA SO-p mission equipment package engineering, integration, and demonstration necessary to support advanced avionics, advanced mission equipment, RFCM, TF/TA Sensor, Electro-Optical/ IR Sensor, LE and DVE into the Army single-vendor baseline by specifically designing space, weight, and structure provisions as part of the Army baseline design. Continues MOSA analysis into a common cockpit with Digital Backbone integrating SO-p mission equipment and initiates software development for select SOF- p sensors and weapons. Develops interoperability of MOSA based capabilities to enduring fleet for testing of SO-p mission equipment packages. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.154 million is due to efficiencies from the Army's FLRAA down select to a single vendor.			
Title: MH-47 Modifications and Upgrades, Program Number 830	0.712	4.155	3.940
Description: This specialized aircraft for these missions must be capable of worldwide rapid deployment and operations in contested or anti-access/area denial (A2/AD) environments in support of Multi-Domain Operations. Develops technologies to improve the performance and safety of the MH-47G and decrease operational costs. Efforts include the Active Parallel Actuator Subsystem (APAS), weight reduction, and performance improvement developments. This program also includes modifications to counter rapidly emerging threats and enhance aircraft self- protection. The MH-47G aircraft is the USSOCOM's only heavy assault			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
platform and provides long-range, high speed, all weather, and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive to combat missions, Irregular Warfare and Military Operations Other than War (MOOTW) as stated in the 2022 National Defense Strategy (NDS). ***FY 2024 Plans:*** Continue developing technologies, weight reduction, and performance improvements; includes modifications to systems to counter rapidly emerging threats and enhance aircraft self-protection integration with MH-47G subsystems, such as Common Avionics Architecture System (CAAS), and continue execution of a configuration study of performance related improvements. Incorporate performance enhancing and weight reduction technologies targeting increased payloads, improved fuel economy, and expanded airspeed and environmental operating envelopes. ***FY 2025 Plans:*** Continues developing new technologies, weight reduction efforts, and performance improvements; this includes modifications to Aircraft Survivability Equipment and weapons systems to counter rapidly emerging threats and enhanced aircraft self-protection integration with MH-47G subsystems, such as CAAS. Incorporates performance enhancing and weight reduction technologies targeting increased payloads, improved fuel economy and expanded airspeed, range, and environmental operating envelopes to include maritime environments. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.215 million was made available to support critical emergent Command requirements.			
Title: Mission Processor Upgrade (MPU), Program Number 846 ***Description:*** This specialized equipment must be capable of worldwide rapid deployment and operations in contested or anti-access/area denial (A2/AD) environments in support of Multi-Domain Operations. MPU provides for non-recurring engineering, systems engineering/testing, and future aircraft architecture studies that support replacement and upgrade of the current mission and video processors for all Army Special Operations Aviation (ARSOA) rotary wing aircraft; upgrading all internal processors increases the processing power to support critical functionality and emerging technologies that will be integrated into the aircraft operational flight program. MPU enables the enhancement in processing and memory resources required to incorporate future functionality within the aircraft; this includes replacement of ground-based navigation aids, advanced large area displays, processors with greater computing power, secured & removable storage, machine learning capabilities, precision timing devices in Global Positioning System (GPS)-denied environment, further advancement of cognitive decision aiding system that fuses information on threat, route, weather, terrain, and friendly forces, instantaneously adjusting an aircraft's route to protect the flight crew in hazardous weather, low level conditions, night conditions, and the next generation ARSOA cockpit. MPU also furnishes the progression to protect aircraft and aircrew from cyber security threats from real-time flight monitoring and prevention capabilities. Tactical Mission Networking (TMN) focuses on the technology development of platform software and hardware systems and facilitates advanced radio waveforms and communications equipment to ensure interoperability.	5.007	4.774	4.869

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Upgrading antennas, processors, radios and other enabling communications equipment will be a persistent requirement as the environment becomes increasingly more complex. The Army intends to upgrade its networks every two years – this funding will ensure Special Operations Aircraft can adapt and keep pace with both SOF and conventional forces' communications and networking improvements/upgrades. This Special Operations Aviation Mission Equipment is a commodities product shared across the Special Operations Rotary Wing aircraft and ensures the Special Operations Rotary Wing aircraft are safely able to provide long-range, high speed, all weather, close air support (CAS), precision strike, reconnaissance, infiltration (infil), exfiltration (exfil), and resupply of SOF teams in hostile, denied, and politically sensitive areas that allows the Joint Force to be more agile and responsive to combat missions, Irregular Warfare and Military Operations Other than War (MOOTW) as stated in the 2022 National Defense Strategy (NDS). Beginning in FY 2025 funding for MPU and TMN have been consolidated under the MPU funding line to accurately reflect funding execution. ***FY 2024 Plans:*** Begin avionics and communications upgrades and cybersecurity efforts in support of the next generation cockpit modernization roadmap. Continue development of software and hardware to rapidly incorporate advanced waveforms, advanced communications, and networking hardware onto ARSOA aircraft. ***FY 2025 Plans:*** Continues avionics, communications upgrades and cybersecurity efforts in support of the next generation cockpit modernization roadmap; includes precision timing devices in Global Positioning System (GPS)-denied environment, and enhanced utilization of information on threat, route, weather, terrain, and friendly forces. Continues development of software and hardware to rapidly incorporate advanced waveforms, advanced communications, and ensure interoperability with ground forces and multi-domain operations. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.095 million supports avionics and communications upgrades and cybersecurity efforts in support of the next generation cockpit modernization roadmap as well as rapid incorporation of advanced waveforms, advanced communications, and networking hardware onto ARSOA aircraft.			
Title: Classified Program(s) ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:***	35.606	31.864	21.679

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Detail for decrease of $10.185 million provided under separate cover.			
Accomplishments/Planned Programs Subtotals	57.665	67.311	59.652

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0201RWUPGR: *Rotary Wing Upgrades and Sustainment*	224.134	261.012	233.977	-	233.977	199.470	206.476	216.050	218.683	Continuing	Continuing
• 0601MH47: *MH-47 Chinook*	146.380	149.883	157.413	-	157.413	162.816	131.914	136.982	139.722	Continuing	Continuing

Remarks

D. Acquisition Strategy

• A/MH-6 Block 3.0 Upgrade airframe efforts will be a sole-source contract to Boeing, owner of the technical data associated with the performance modification to the A/MH-6 airframes. The cockpit avionics architecture will be developed by Collins Aerospace. Any new hardware components will be Non Developmental Item/Commercial-Off-The-Shelf (COTS) to the extent possible and will be competitively selected. Airframe modification and integration work will be conducted via Indefinite Delivery Indefinite Quantity contract with Special Operations Forces Support Activity (SOFSA). A/MH-6 Block 3.0 Upgrade is a Major Capability Acquisition (MCA) program.

• MH-60M Modifications and Upgrades supports systems integration and qualification efforts on 72 SOF configured MH-60M helicopters. The Modifications and Upgrades are executed via various acquisition vehicles and include, but are not limited to, government and contractor flight test support, engineering analysis, documentation, and airworthiness substantiation. Airframe modification and integration work will be conducted via a contract with SOFSA. MH-60M Modifications and Upgrades is a MCA program.

• The FVL is the SOF aviation participation in the Joint FVL effort to develop the next generation of vertical takeoff and landing aircraft and establishes the foundation for the transformation of the Department of Defense (DoD) vertical lift aviation capabilities over the next forty years. The USSOCOM is not the Milestone Decision Authority (MDA) for FVL. The Army manages the FLRAA program via the Middle Tier of Acquisition (MTA) through Milestone B, followed by an MCA. The Army manages FARA via MTA until downselect to one platform followed by a MCA.

• MH-47 Modifications and Upgrades will develop technologies to improve performance and safety of the MH-47G and decrease operational costs. Efforts include the APAS, weight reduction, and performance improvement developments. The Modifications and Upgrades are executed via various acquisition vehicles and consist mostly of government and contractor executed integration, testing, and qualification efforts with some analytical engineering services to be completed. Post-production block modifications are accomplished via contract with SOFSA. MH-47 Modifications and Upgrades is a MCA program.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

• MPU provides for next generation cockpit architecture studies that will help define the replacement of current mission and video processors for all ARSOA platforms. Additionally, it will address near term required upgrades to existing components. Potential upgrades will be through existing Original Equipment Manufacturers (OEM), while the future cockpit architecture studies will be competitively awarded. Tactical Mission Networking provides for future communications and networking capability exploration and solution development that will ensure ARSOA platforms can communicate through voice and data in a highly contested environment. Tactical Mission Networking will ensure ARSOA aircraft can maintain interoperability with the SOF and conventional ground forces' plan of rapidly and continually updating their communications and networking infrastructure. Non-developmental communications equipment will be procured through existing DoD contracts. Aircraft integration will be through existing aircraft modification contracts. MPU is a MCA program.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) D615 / *Rotary Wing Aviation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-60M Modifications and Upgrades	C/Various	PM TAPO : Ft. Eustis, VA	0.770	2.543	Mar 2023	9.043	Mar 2024	11.026	Mar 2025	-		11.026	Continuing	Continuing	-
Future Vertical Lift (FVL)	C/Various	PM TAPO : Ft. Eustis, VA	16.559	8.512	Apr 2023	9.157	Apr 2024	9.038	Mar 2025	-		9.038	Continuing	Continuing	-
FVL Congressional Add (Cong Add)	C/Various	PM TAPO : Ft. Eustis, VA	7.356	-		-		-		-		-	0.000	7.356	-
MH-47 Modifications and Upgrades	C/Various	PM TAPO : Fort Eustis, VA	59.572	0.712	Nov 2022	4.155	Nov 2023	3.940	Nov 2024	-		3.940	Continuing	Continuing	-
Mission Processor Upgrade (MPU)	C/Various	PM TAPO : Fort Eustis, VA	3.000	5.007	Mar 2023	3.184	Mar 2024	3.247	Mar 2025	-		3.247	Continuing	Continuing	-
Classified Program(s)	C/TBD	TBD : TBD	124.358	28.929		29.108		18.180	Mar 2025	-		18.180	Continuing	Continuing	-
Prior Years Funding	C/Various	PM TAPO : Fort Eustis, VA	58.715	-		-		-		-		-	0.000	58.715	-
		Subtotal	270.330	45.703		54.647		45.431		-		45.431	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-60M Modification and Upgrades	C/Various	PM TAPO : Fort Eustis, VA	1.194	1.170	Mar 2023	1.180	Mar 2024	1.536	Mar 2025	-		1.536	Continuing	Continuing	-
FVL	C/Various	PM TAPO : Fort Eustis, VA	5.866	0.732	Apr 2023	1.146	Apr 2024	1.128	Mar 2025	-		1.128	Continuing	Continuing	-
FVL (Cong Add)	C/Various	PM TAPO : Fort Eustis, VA	0.359	-		-		-		-		-	0.000	0.359	-
		Subtotal	7.419	1.902		2.326		2.664		-		2.664	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160403BB / *Aviation Systems*	Project (Number/Name) D615 / *Rotary Wing Aviation*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
A/MH-6M Block 3.0 Upgrade Operational Test and Evaluation	C/Various	PM TAPO : Fort Eustis, VA	40.023	2.635	Feb 2023	2.940	Feb 2024	2.999	Feb 2025	-		2.999	Continuing	Continuing	-
MH-60M Modification and Upgrades Developmental Test & Evaluation	C/Various	PM TAPO : Fort Eustis, VA	17.776	0.024	Mar 2023	1.432	Mar 2024	1.796	Mar 2025	-		1.796	Continuing	Continuing	-
FVL Developmental Test & Evaluation	C/Various	PM TAPO : Fort Eustis, VA	0.289	-		0.877	Apr 2024	0.864	Mar 2025	-		0.864	Continuing	Continuing	-
Mission Processor Upgrade (MPU) Developmental Test and Evaluation	C/Various	PM TAPO : Fort Eustis, VA	1.590	-		1.590	Apr 2024	1.622	Apr 2025	-		1.622	Continuing	Continuing	-
Classified Program (s)	C/TBD	TBD : TBD	7.119	6.677		2.756		3.499	Mar 2025	-		3.499	Continuing	Continuing	-
Prior Years Funding	C/Various	Various : Various	34.199	-		-		-		-		-	0.000	34.199	-
		Subtotal	100.996	9.336		9.595		10.780		-		10.780	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MH-60M Modification and Upgrades	C/Various	PM TAPO : Ft. Eustis, VA	0.253	0.250	Mar 2023	0.255	Mar 2024	0.293	Mar 2025	-		0.293	Continuing	Continuing	-
Future Vertical Lift	C/Various	PM TAPO : Ft. Eustis, VA	0.466	0.474	Feb 2023	0.488	Apr 2024	0.484	Mar 2025	-		0.484	Continuing	Continuing	-
		Subtotal	0.719	0.724		0.743		0.777		-		0.777	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	379.464	57.665		67.311		59.652		-		59.652	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

A/MH-6 Program Schedule

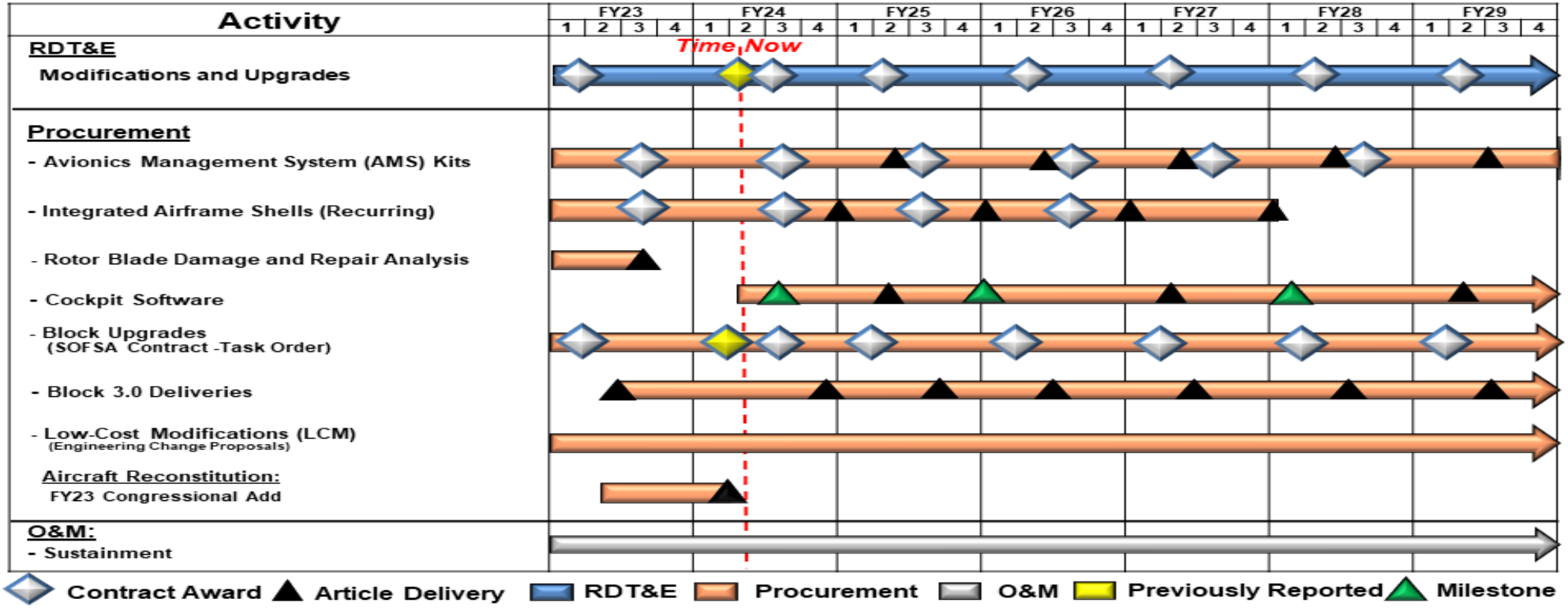


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

MH-60 Program Schedule

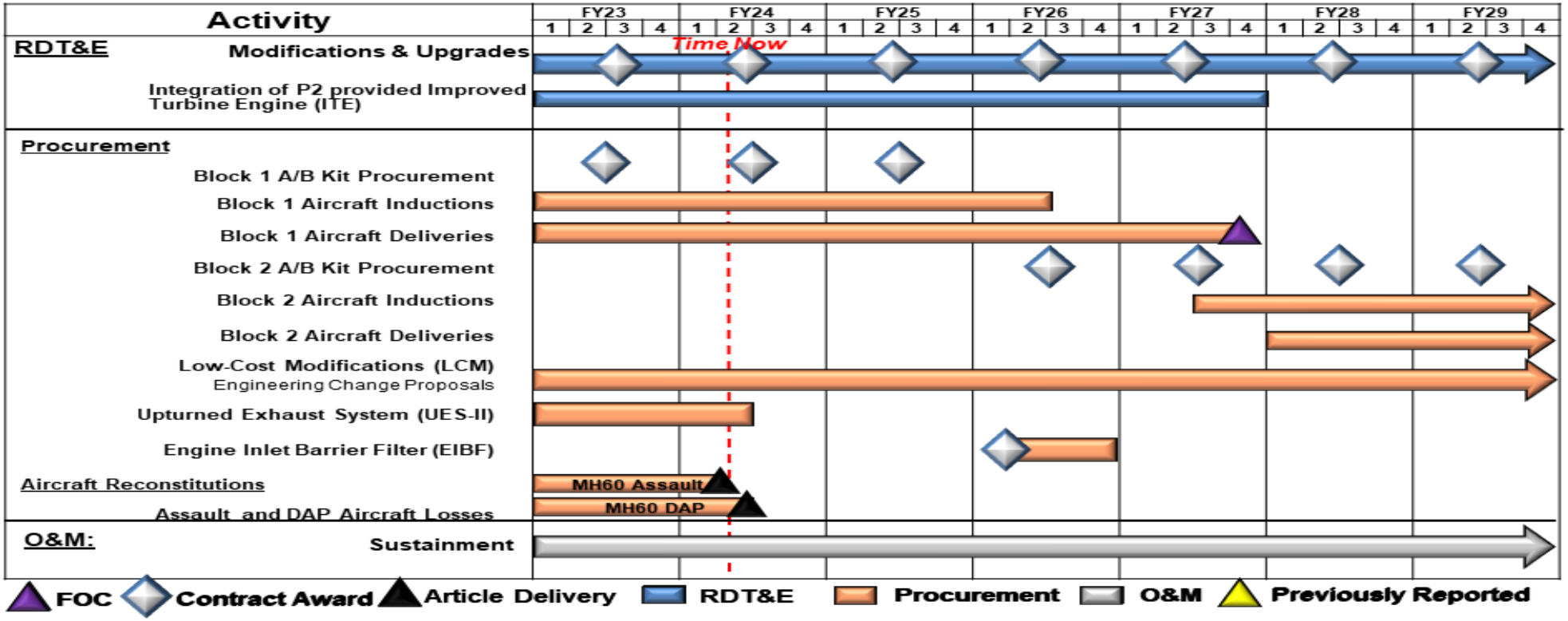


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

Future Vertical Lift Schedule

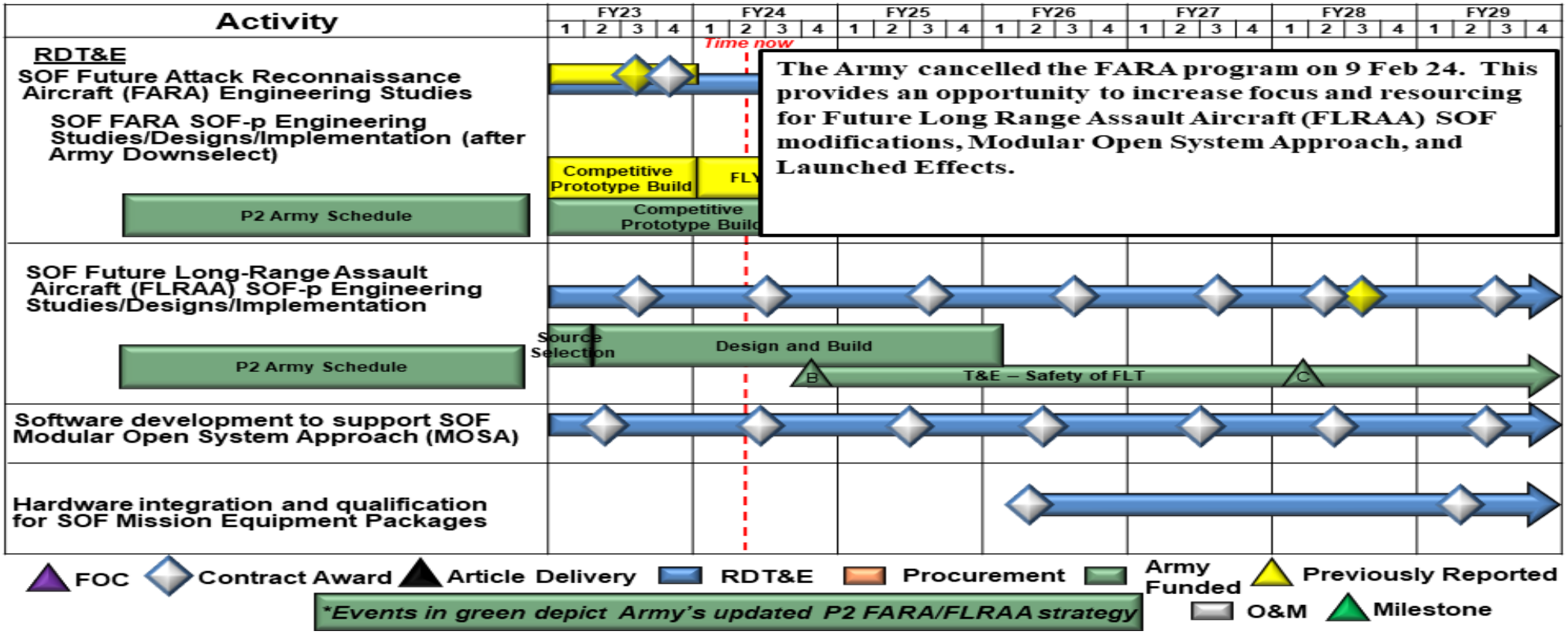


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

MH-47 Program Schedule

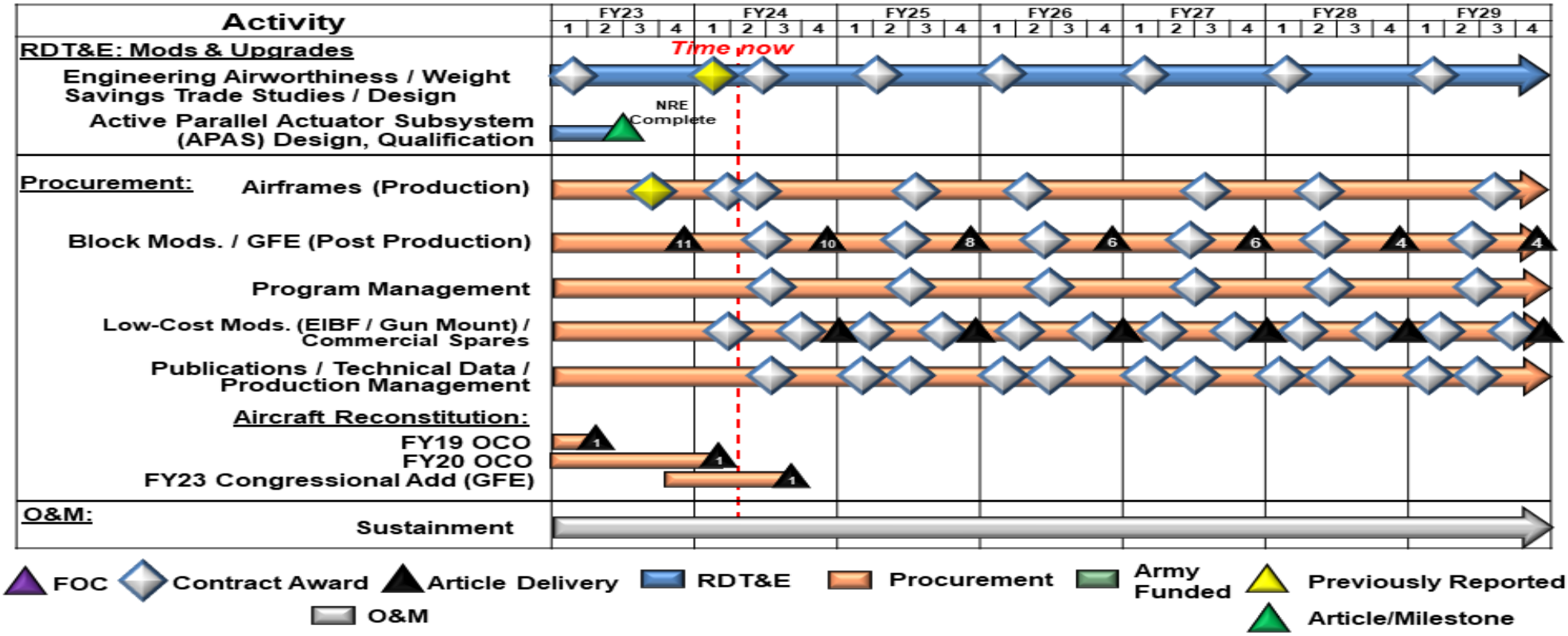


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

Mission Processor Upgrade (MPU) Schedule

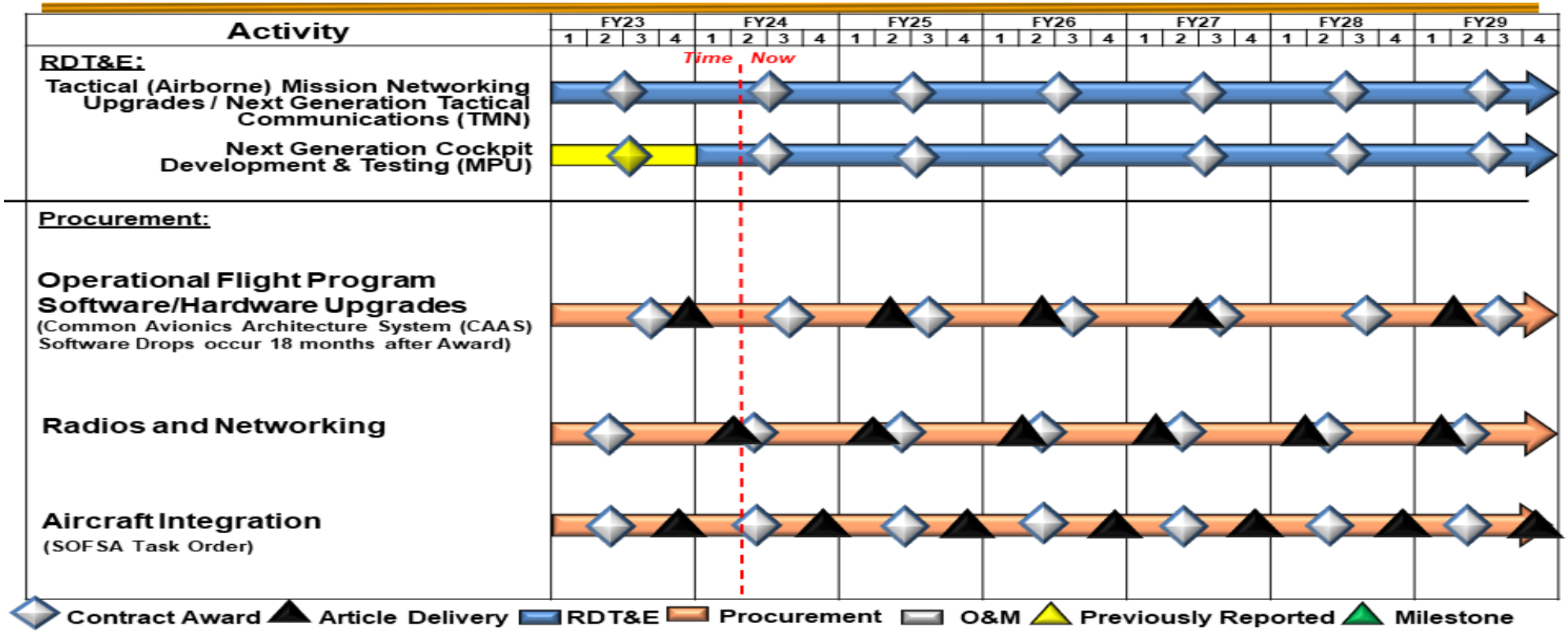


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160403BB / *Aviation Systems*	**Project (Number/Name)** D615 / *Rotary Wing Aviation*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
A/MH-6M Block 3.0 and Modifications				
Modifications and Upgrades	1	2023	4	2029
MH-60M Modifications and Block Upgrades				
Modifications and Upgrades	1	2023	4	2029
Improved Turbine Engine Program (ITEP)	1	2023	4	2027
Future Vertical Lift (FVL)				
SOF Future Attack Reconnaissance Aircraft (FARA) Engineering Study	1	2023	2	2024
SOF Future Long-Range Assault Aircraft (FLRAA) Engineering Study and Pre-EMD Activities	1	2023	4	2029
Modular Open Systems Architecture (MOSA)	1	2023	4	2029
Mission Equipment Package (MEP)	1	2023	4	2029
MH-47 Program				
Modifications and Upgrades	1	2023	4	2029
Active Parallel Actuator Subsystem (APAS) Design, Qualification	1	2023	2	2023
Mission Processor Upgrade (MPU)				
Next Generation Cockpit Development and Testing	1	2024	4	2029
Tactical Mission Networking Upgrades / Next Generation Tactical Communications	1	2023	4	2029

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
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 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	676.393	88.700	86.737	81.648	-	81.648	80.501	81.430	84.114	86.367	Continuing	Continuing
S400: *SO Intelligence Systems*	676.393	88.700	86.737	81.648	-	81.648	80.501	81.430	84.114	86.367	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) is part of the Military Intelligence Program (MIP) that provides for 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. The PE 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) Artificial Intelligence for Small Unit Maneuver (AISUM) ($15.000 million).

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	90.136	86.737	81.282	-	81.282
Current President's Budget	88.700	86.737	81.648	-	81.648
Total Adjustments	-1.436	0.000	0.366	-	0.366
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.436	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	0.366	-	0.366

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S400: *SO Intelligence Systems*		
Congressional Add: *MTUAS Artificial Intelligence for Small Unit Maneuver (AISUM)*	15.000	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
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 2023	FY 2024
Congressional Add Subtotals for Project: S400	15.000	-
Congressional Add Totals for all Projects	15.000	-

Change Summary Explanation

Funding:

FY 2023: Net decrease of -$1.436 million is due to a decrease in the development of the Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA) program to support Unmanned Surface Vessels (USV) program.

FY 2024: None.

FY 2025: Net increase of $0.366 million is due to a reduction in the payload development and integration in the National Systems Support to SOF (NSSS) program a decrease of ($0.068 million); a decrease in the development of the Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA) program to support Unmanned Surface Vessels (USV) program ($2.111 million); a reduction in the level of effort for development and integration of advanced technologies for Sensitive Site Exploitation (SSE) ($0.110 million); a decrease in the level of effort of SOF Signals Intelligence (SIGINT) Processing, Exploitation, Dissemination (PED) Silent Dagger (SD) integration of advanced technologies of ($0.085 million); a reduction in developmental test and evaluation for Small Unmanned Systems (SUMS) [(includes Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS)] program decrease of ($0.531 million); an increase to support Multi-Mission Tactical Unmanned (MTUAS) enhancements, integration and expanding testing of technologies that address National Defense Strategy priorities on MQ-35A-VBAT ($2.417 million); and details of decrease will be provided under a separate cover ($2.053 million).

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
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 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
S400: *SO Intelligence Systems*	676.393	88.700	86.737	81.648	-	81.648	80.501	81.430	84.114	86.367	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, SO-peculiar (SO-p) support from space systems including Tactical Exploitation of National Capabilities (TENCAP) system under National Systems Support to SOF (NSSS), space-based payload development, and tactical uncrewed systems. The systems developed and tested in this project are NSSS; Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA); Integrated Survey Program (ISP); Sensitive Site Exploitation (SSE); SOF Signals Intelligence (SIGINT) Processing, Exploitation, Dissemination (PED) Silent Dagger (SD); Small Unmanned Systems (SUMS) including 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 2023	FY 2024	FY 2025
Title: National Systems Support to SOF (NSSS)	9.372	9.383	9.315
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, Department of Defense (DoD) and commercial systems to augment, support, and integrate with the USSOCOM systems. Focus areas include Enhanced Situational Awareness (ESA), Tactical Target Acquisition (TTA), Signal Intelligence (SIGINT), Geospatial Intelligence (GEOINT), Special Communications, and intelligence fusion, reporting, and dissemination. NSSS efforts are characterized by rapid prototype development to transition to the USSOCOM Program of Record (PoR) while leveraging existing national, DoD and commercial space-based assets and integration of SO-p			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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 2023	FY 2024	FY 2025
satellite payloads via integration with the Proliferated Warfighter Space Architecture (PWSA) [formally National Defense Space Architecture (NDSA) and aligns with the 2022 National Defense Strategy (NDS). ***FY 2024 Plans:*** Continue development of SO-p 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 SO-p satellite payloads integration with the PWSA. ***FY 2025 Plans:*** Continues development of SO-p 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 include integrating SOF into the national overhead and DoD infrastructures and enhancing capabilities that leverages existing national, DoD and commercial space assets and includes the integration of SO-p satellite payloads with the PWSA. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.068 million is due to a reduction in payload development and integration.			
Title: Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA), Program Number 833	7.284	8.699	6.588
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. The 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. The 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 2024 Plans:***			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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 2023	FY 2024	FY 2025
Continue planned spiral improvements for the unattended maritime system payloads and command and control capabilities to support Naval Special Warfare. Additional projects in the areas of advanced data exfil using ground and space techniques and advanced smart sensors will be pursued and undergo operational testing and evaluation. ***FY 2025 Plans:*** Continues advanced data exfil efforts for ground and space systems as well as continue development, integration and testing of low light sensors into existing systems. Begins development effort for ground and maritime acoustic sensors. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $2.111 million due to the realignment of funding for unattended maritime sensor payloads development and testing from SOTVS to the Small Unmanned Surface Vessel (SUSV) program, PE 1160483BB Maritime Systems, Project S0417. Decrease amount includes $0.499 million realigned to O&M, DW, 1PL7 Maintenance SAG for Small Unmanned Surface Vessel payload integration efforts.			
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. The 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 2024 Plans:*** Continue developmental test and evaluation of ISP products to integrate with enterprise architecture and support rapid prototyping and iterative delivery of digital products to meet emerging SOF requirements. ***FY 2025 Plans:*** Continues developmental and test and evaluation of ISP products to include: enhancing product baseline, prototype mobile computing, and third-party data integration. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.494 million supports product development and developmental test and evaluation of products.	0.869	0.908	1.402
Title: Sensitive Site Exploitation (SSE) Program Number 834 ***Description:*** This program provides rapid and focused acquisition for state-of-the art forensic Identity Operation capabilities as a mission enabler for the five operational pillars of Irregular Warfare and supports Find, Fix, Finish, Exploit, Analyze and Disseminate (F3EAD) cycle. Exploitation Analysis Capability (EAC) is a modular and scalable SO-peculiar (SO-p) forensic laboratory environment utilized for more in-depth exploitation of captured exploitable material (CEM). Biometrics enable the	1.955	1.974	1.864

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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 2023	FY 2024	FY 2025
collection and transmission of unique and measurable human signatures that are then used to verify against or enroll into the DoD authoritative databases. Document and Media Exploitation (DOMEX) is a scalable, modular, and adaptable multi-disciplined capability that provides the means to identify, exploit, translate and produce reports on documents and electronic media of immediate tactical value. Forensic exploitation is a scalable, modular and adaptable multi-disciplined forensic science capability to recover, identify, and conduct analysis of chemistry based Collectible Exploitable Material (CEM). Supports the 2022 National Defense Strategy; CEM sharing with foreign partners and provides intelligence to advance regional security goals that implement the higher level aims of integrated deterrence. ***FY 2024 Plans:*** Continue touchless equipment modernization with smaller form factor and integration of converging technologies on operator handheld biometric devices. Continue 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 2025 Plans:*** Continues development, test and evaluation of advanced DOMEX capabilities to conduct non-destructive exploitation of small Uncrewed Multi-Domain Systems (sUMS) and enhanced forensic chemistry capabilities for point of origin identification of compounds. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.110 million is due to a reduction in development and integration of advanced technologies.			
Title: SOF Signals Intelligence (SIGINT) Processing, Exploitation, Dissemination (PED) Silent Dagger (SD), Program Number 835 ***Description:*** The SOF SIGINT PED SD is a 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 provides SIGINT exploitation in both garrison and deployed environments in support of multi-domain SOF operations in contested environments supporting integrated deterrence. ***FY 2024 Plans:*** Continue development and integration of emerging technologies and capability enhancements for requirements including: advanced analytics; User Interface; cloud computing; machine learning; and disconnected operations. Continue 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 2025 Plans:***	1.120	1.113	1.028

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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 2023	FY 2024	FY 2025
Continues development and integration of emerging technologies including edge processing to provide more efficient dataflow and bandwidth management to handle increased demand for data throughput. Initiates development efforts aimed at increasing edge security to ensure secure operations in contested areas. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.085 million is due to a reduction in the integration of advanced technologies.			
Title: Small Unmanned Systems (SUMS) [(includes Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS)], Program Number 847 ***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. 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 2024 Plans:*** Continue 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 2025 Plans:*** Continues development, test, and integration of AI/ML into multi-domain SUMS to improve collaborative autonomy, including increasing on-board edge computing power and data storage, multi-domain secure communications between robots, and multi-mission payload prototyping for user evaluation and future production. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.531 million is due to a reduction in developmental test and evaluation.	14.338	14.649	14.118
Title: Multi-Mission Tactical Unmanned Aerial Systems (MTUAS), Program Number 836	10.935	13.070	15.487

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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 2023	FY 2024	FY 2025
Description: The MTUAS are multi-mission tactical uncrewed aircraft systems acquired, tested, trained, fielded, and supported for use by Naval Special Warfare units. Group 2 systems are planned for divestiture and transitioning to Group 3 systems. Group 3 systems are comprised of light air vehicles between 55 and 1320 pounds, modular ground control stations, full motion video payloads, peripherals, and SO-peculiar (SO-p) mission kits, payloads, modifications and technology improvements. ***FY 2024 Plans:*** Continue to develop technology insertion for maritime and autonomy applications, as well as integration testing with special payloads and other SOF assets. ***FY 2025 Plans:*** Continues to develop technology insertion for expanded maritime envelopes, autonomy applications, environmental protection, Electronic Warfare payloads, as well as integration testing with special payloads and other SOF assets. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $2.417 million will enhance integration and expand testing of technologies that address NDS priorities on MQ-35A V-BAT.			
Title: Classified Program(s) ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:*** Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details for decrease of $5.095 million will be provided under separate cover.	27.827	36.941	31.846
Accomplishments/Planned Programs Subtotals	73.700	86.737	81.648

	FY 2023	FY 2024
Congressional Add: MTUAS Artificial Intelligence for Small Unit Maneuver (AISUM)	15.000	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

	FY 2023	FY 2024
FY 2023 Accomplishments: Funded the accelerated 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 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
• PROC/020400INTL: *Intelligence Systems*	239.662	203.400	205.814	-	205.814	234.856	254.735	255.778	254.059	Continuing	Continuing

Remarks

D. Acquisition Strategy

• NSSS leverages internal/external contracts, Other Transaction Authorities (OTA) to introduce and integrate national, DoD and commercial 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 and SOF communities. By partnering with DoD the Intelligence Community and USSOCOM entities, NSSS incorporates SOF mission requirements into current and developing technologies and assets. This leveraging of funds increases national, DoD and commercial space-based systems awareness, demonstrates the tactical utility of National systems, DoD 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 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 Major Capabilities Acquisition (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).

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

• SSE is a MCA Category (ACAT) III program 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. SSE directly supports the 2022 NDS through the sharing of

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Collectible Exploitable material (CEM) with foreign partners provides intelligence to advance regional security goals that implement the higher level aims of integrated deterrence.

• 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 SO-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 SO-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 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 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
National Systems Support to SOF (NSSS)	MIPR	Various : Various	49.122	9.372	Feb 2023	-		-		-		-	0.000	58.494	-
NSSS Enhanced Situational Awareness (ESA) Increment 1	MIPR	Various : Various	-	-		4.277	Dec 2023	1.700	Dec 2024	-		1.700	Continuing	Continuing	-
NSSS Tactical Target Acquisition (TTA)	MIPR	Various : Various	-	-		0.472	Jan 2024	1.021	Dec 2024	-		1.021	Continuing	Continuing	-
NSSS Signals Intelligence (SIGINT)	MIPR	Various : Various	-	-		0.874	Jan 2024	1.520	Dec 2024	-		1.520	Continuing	Continuing	-
NSSS Geospatial Intelligence (GEOINT)	MIPR	Various : Various	-	-		0.200	Dec 2023	1.600	Dec 2024	-		1.600	Continuing	Continuing	-
NSSS Payload Development/ Integration	MIPR	Various : Various	-	-		2.900	Feb 2024	2.814	Feb 2025	-		2.814	Continuing	Continuing	-
Tactical Video System/ Reconnaissance, Surveillance, & Target Acquisition (TVS/RSTA) Hardware Product Development	C/CPFF	Various : Various	4.727	7.240	Mar 2023	7.248	May 2024	-		-		-	-	-	-
TVS/RSTA Data Exfil Space	MIPR	Department of Energy, Sandia National Labs : Alburquerque, NM	-	-		-		2.700	Dec 2025	-		2.700	Continuing	Continuing	-
TVS/RSTA Data Exfil Ground	C/FFP	Various : Various	-	-		-		1.500	Dec 2025	-		1.500	Continuing	Continuing	-
TVS/RSTA Advanced Sensors - Low Light Integration	C/FFP	TBD : TBD	-	-		-		1.028	Jan 2025	-		1.028	Continuing	Continuing	-
TVS/RSTA Advanced Sensor Acoustic	C/FFP	TBD : TBD	-	-		-		1.060	Jun 2025	-		1.060	Continuing	Continuing	-
Integrated Survey Program (ISP) - Development	C/FFP	Various : Various	4.266	0.869	Jan 2023	0.800	Jan 2024	0.561	Jan 2025	-		0.561	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Sensitive Site Exploitation (SSE) Development Rapid Innovative Prototyping	C/FFP	DEFENSEWERX, INC : Niceville, FL	-	1.463	Jan 2023	1.527	Jan 2024	1.394	Jan 2025	-		1.394	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	1.120	Apr 2023	1.113	Apr 2024	1.028	Mar 2025	-		1.028	Continuing	Continuing	-
Small Unmanned Systems (SUMS) Product Development	MIPR	Defense Innovation Unit (DIU) : Various	-	6.731	Nov 2022	7.000	Dec 2023	3.500	Dec 2024	-		3.500	Continuing	Continuing	-
SUMS Product Development	MIPR	SOFWERX : Various	-	1.602	Mar 2023	2.000	Jan 2024	2.000	Dec 2024	-		2.000	Continuing	Continuing	-
SUMS Product Development	MIPR	National Laboratories : Various	-	0.883	Jul 2023	2.000	Jan 2024	2.000	Dec 2024	-		2.000	Continuing	Continuing	-
Multi-Mission Tactical Unmanned Aerial System (MTUAS) Platform Development/ Prototyping	MIPR	Various : Various	-	1.327	Dec 2022	3.119	Nov 2023	3.696	Dec 2024	-		3.696	Continuing	Continuing	-
MTUAS: Technology Insertion: Communication Navigation, Propulsion, Structures, Autonomy, and Cyber	MIPR	Various : Various	-	-		5.619	Nov 2023	6.658	Mar 2025	-		6.658	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	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160405BB / *Intelligence Systems Development*	Project (Number/Name) S400 / *SO Intelligence Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified Programs	TBD	TBD : TBD	103.664	25.469		30.902		26.433		-		26.433	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	178.923	-		-		-		-		-	0.000	178.923	-
Prior Year Funding - Congressional Add	Various	Various : Various	4.200	-		-		-		-		-	0.000	4.200	-
		Subtotal	345.467	68.751		70.051		62.213		-		62.213	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
NSSS - Support	Various	Various : Various	-	-		0.660	Aug 2024	0.660	Aug 2025	-		0.660	Continuing	Continuing	-
Small Unmanned Systems (SUMS) Program Support	MIPR	Naval Air Warfare Center Aircraft Division Flight Support Team : Patuxent River, MD	-	-		0.250	Dec 2023	2.000	Dec 2024	-		2.000	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	3.632	Nov 2024	-		3.632	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	65.723	1.001		3.067		3.050		-		3.050	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	163.301	-		-		-		-		-	0.000	163.301	-
		Subtotal	229.024	4.480		7.042		9.342		-		9.342	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
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 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TVS/RSTA - User Assessments Operational Test and Evaluation	MIPR	Joint Interoperability Test Command : FT Huachuca, AZ	7.836	0.044	Mar 2023	1.451	Feb 2024	0.300	Mar 2025	-		0.300	Continuing	Continuing	-
ISP - Developmental Test and Evalution	C/CPFF	Various : Various	0.049	0.062	Jan 2023	0.108	Jan 2024	0.841	Jan 2025	-		0.841	Continuing	Continuing	-
SSE Integrated Operational Test & Evaluation (New Technologies)	MIPR	Various : Various	9.208	0.492	Jan 2023	0.447	Jan 2024	0.470	Jan 2025	-		0.470	Continuing	Continuing	-
Small Unmanned Systems (SUMS) Test & Evaluation	MIPR	John-Hopkins University Affiliated Research Center (UARC) : Laurel, MD	-	2.950	Jul 2023	2.000	Feb 2024	2.000	Feb 2025	-		2.000	Continuing	Continuing	-
Small Unmanned Systems (SUMS) Developmental Test and Evaluation	MIPR	Various : Various	-	2.110	Jun 2023	1.000	Apr 2024	2.518	Feb 2025	-		2.518	Continuing	Continuing	-
Small Unmanned Systems (SUMS) Operational Test and Evaluation	MIPR	Various : Various	-	-		0.399	Apr 2024	0.100	Feb 2025	-		0.100	Continuing	Continuing	-
MTUAS Developmental Test and Evaluation	Various	Various : Various	-	6.454	Nov 2022	-		-		-		-	0.000	6.454	-
MTUAS - Developmental Test and Evaluation: Improvements & Modification Contractor Test/ Engineering Investigations (EIs)	MIPR	Various : Various	-	-		0.634	Nov 2023	0.751	Nov 2024	-		0.751	Continuing	Continuing	-
MTUAS - Operational Test and Evaluation: Modifications Test and Improvements	MIPR	Various : Various	-	-		0.633	Nov 2023	0.750	Nov 2024	-		0.750	Continuing	Continuing	-
MTUAS for AISUM Developmental Test and Evaluation for Advanced	MIPR	Naval Sea Systems Command : John Hopkins University, MD	-	1.500	Jul 2023	-		-		-		-	0.000	1.500	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
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 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Sensors Congressional Add															
MTUAS for AISUM Developmental Test and Evaluation for Various Ranges Congressional Add	MIPR	Various : Various	-	0.500	Aug 2023	-		-		-		-	0.000	0.500	-
Classified Programs	TBD	TBD : TBD	26.211	1.357		2.972		2.363		-		2.363	Continuing	Continuing	-
Prior Year Funding - Completed Efforts	Various	Various : Various	55.798	-		-		-		-		-	0.000	55.798	-
Prior Year Funding - Congressional Add	Various	Various : Various	2.800	-		-		-		-		-	0.000	2.800	-
		Subtotal	101.902	15.469		9.644		10.093		-		10.093	Continuing	Continuing	N/A

Remarks

TV/RSTA: Decrease of $1.151 million is due to User Assessment Operational Test and Evaluation reflects the completion of phase 1 testing for the first-generation space-based exfil payload and the realignment of the unmanned maritime sensors to unmanned surface vessels.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	676.393	88.700		86.737		81.648		-		81.648	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
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

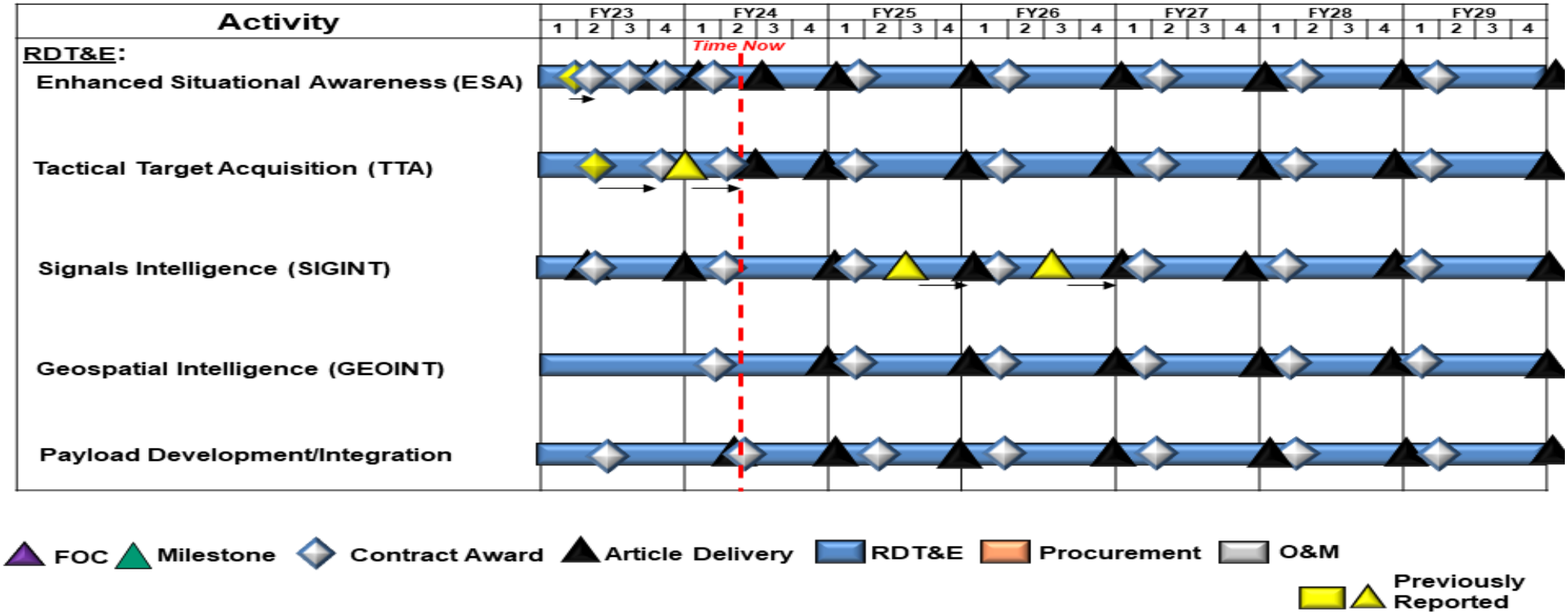


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

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

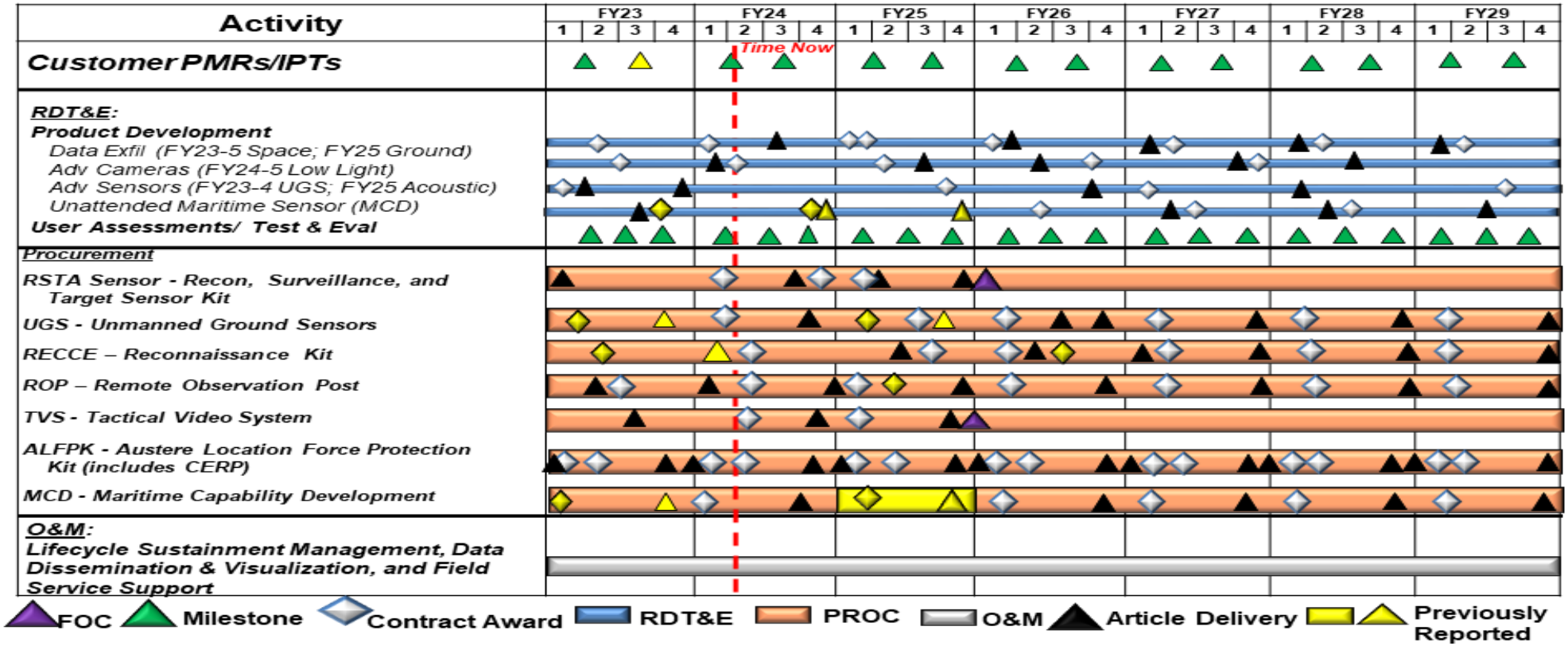


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Integrated Survey Program (ISP)

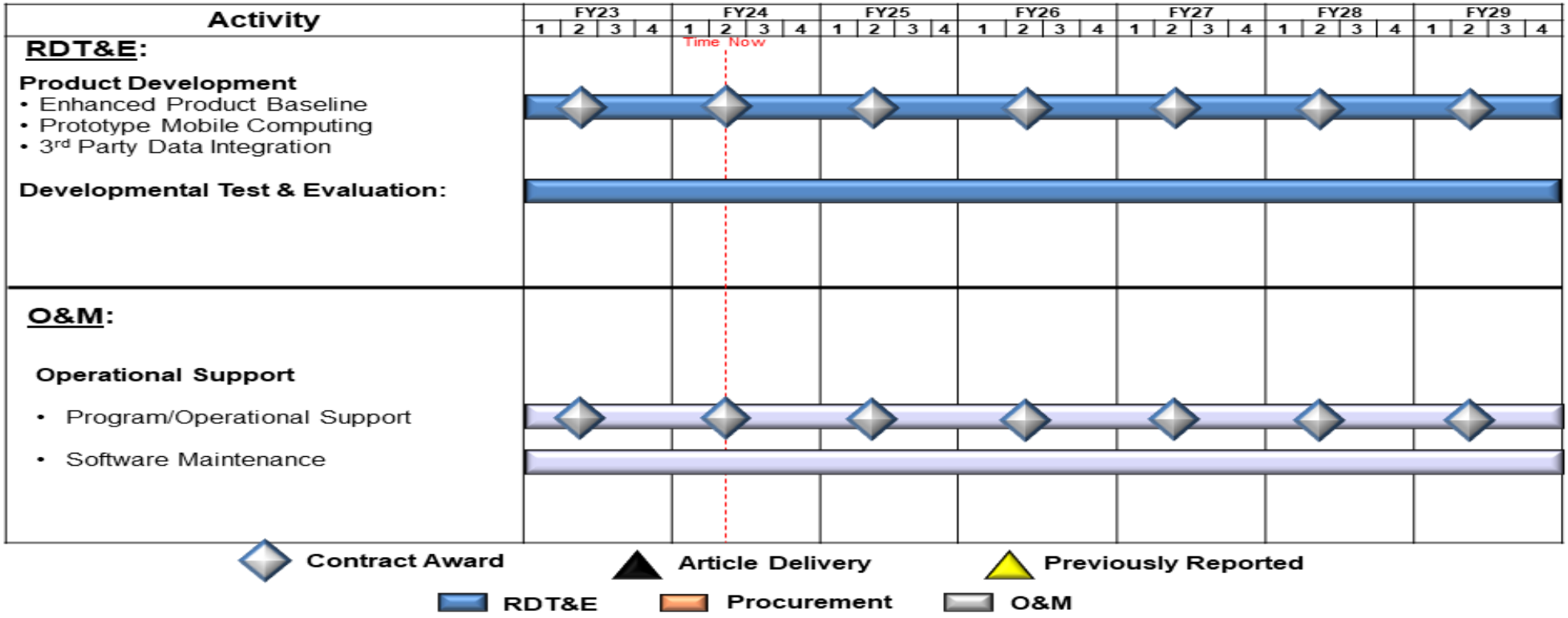


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Sensitive Site Exploitation Schedule

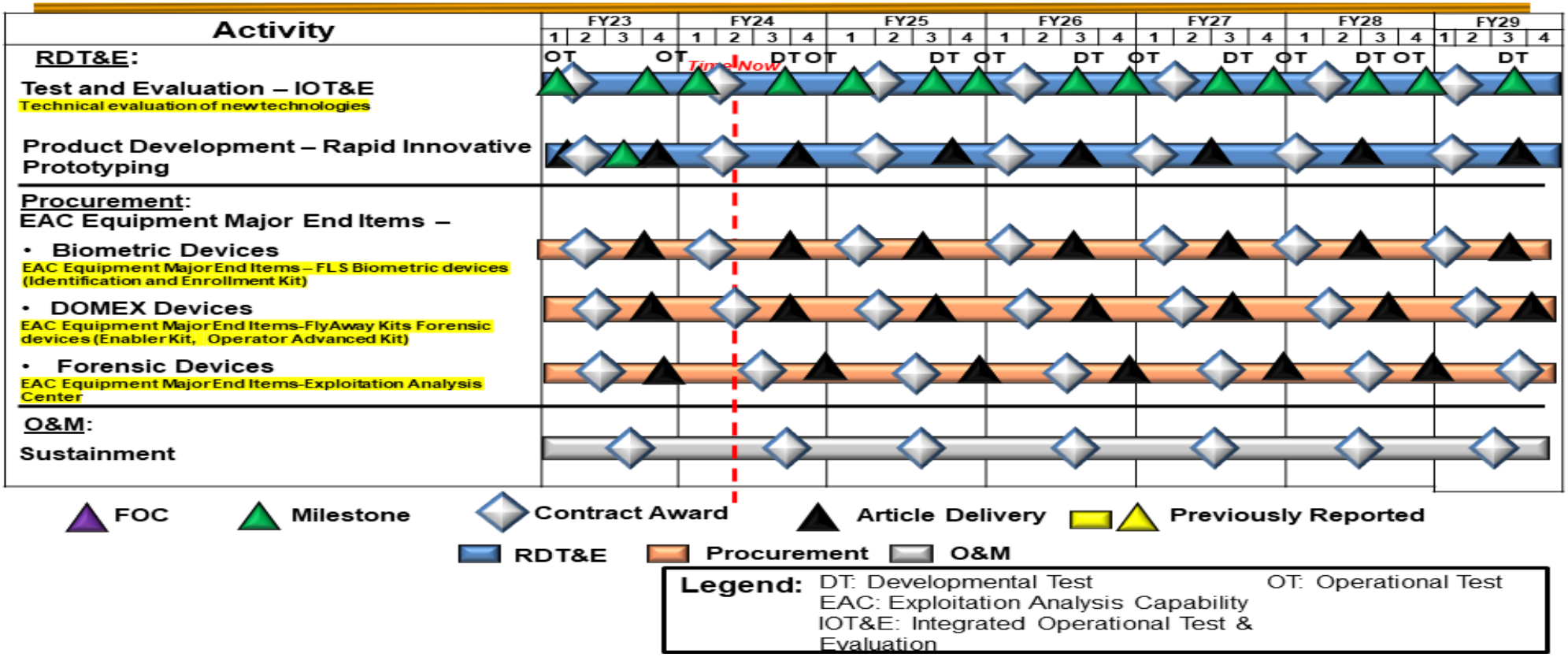


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

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

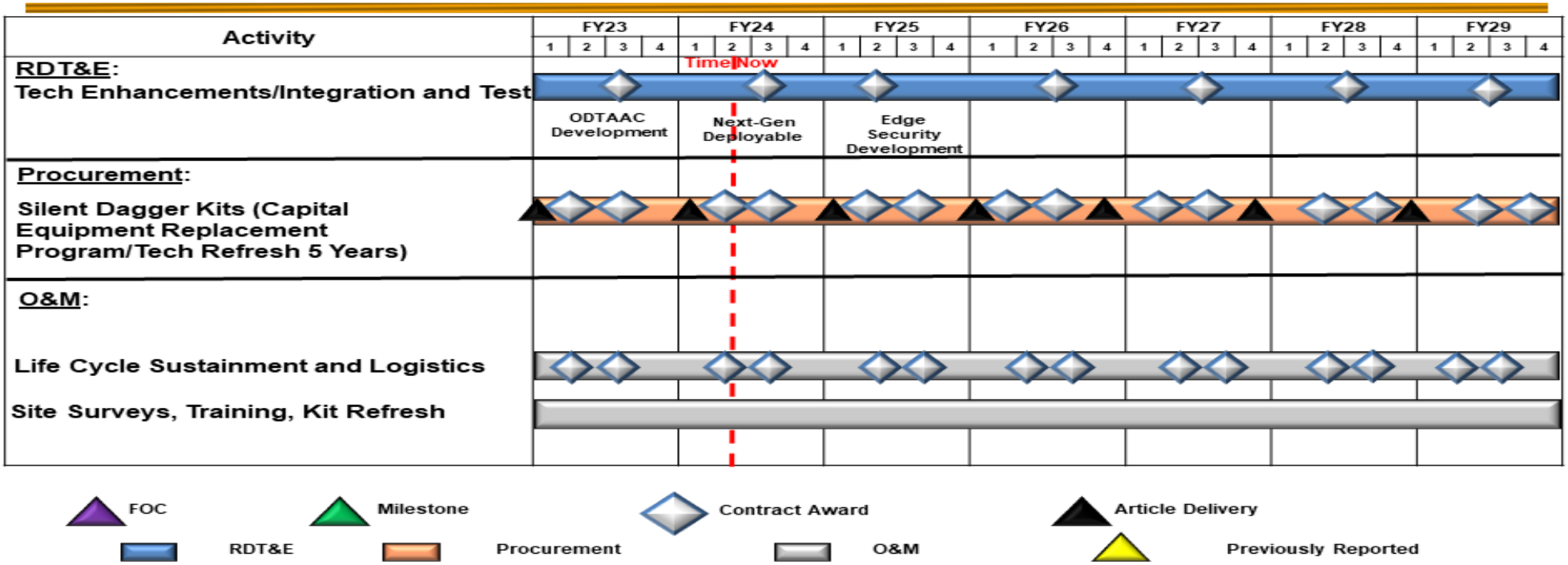


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Small Unmanned Systems (SUMS) Schedule

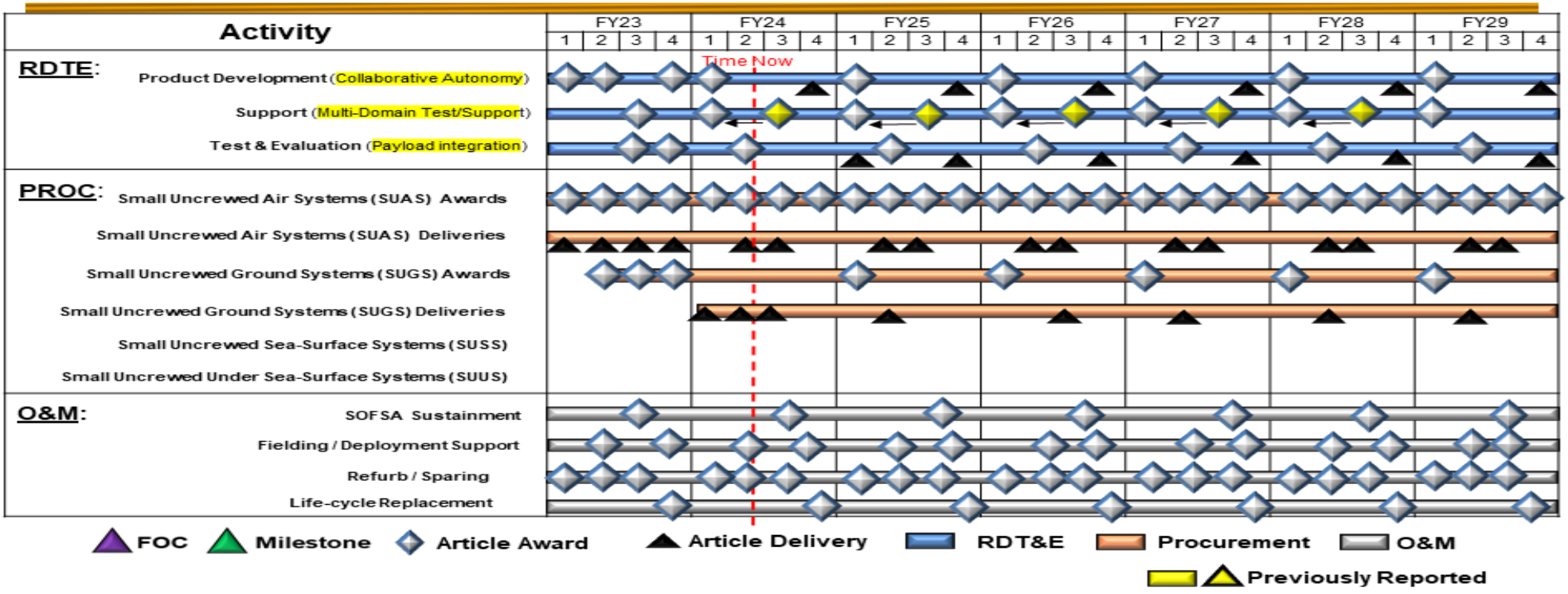


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Multi-Mission Tactical Unmanned Aerial System (MTUAS) Schedule

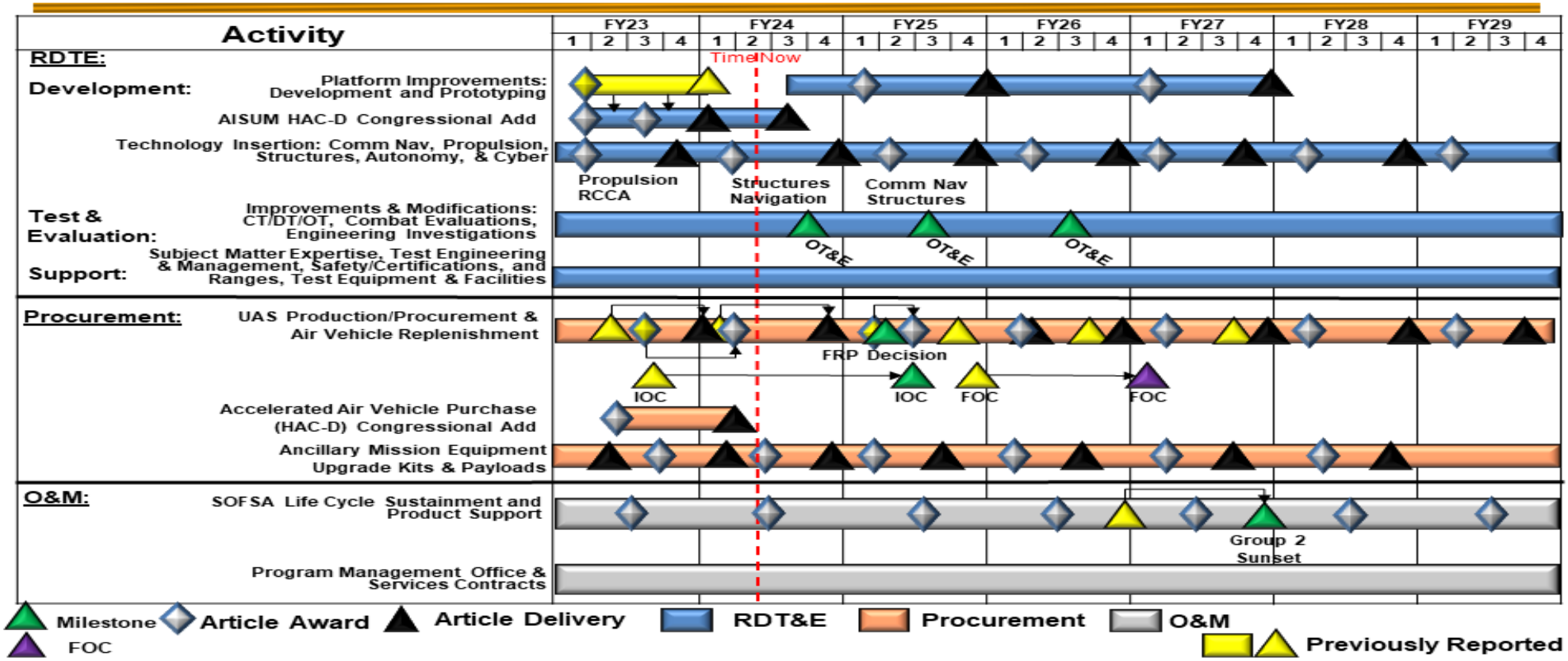


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Small Unmanned Systems (SUMS) Schedule

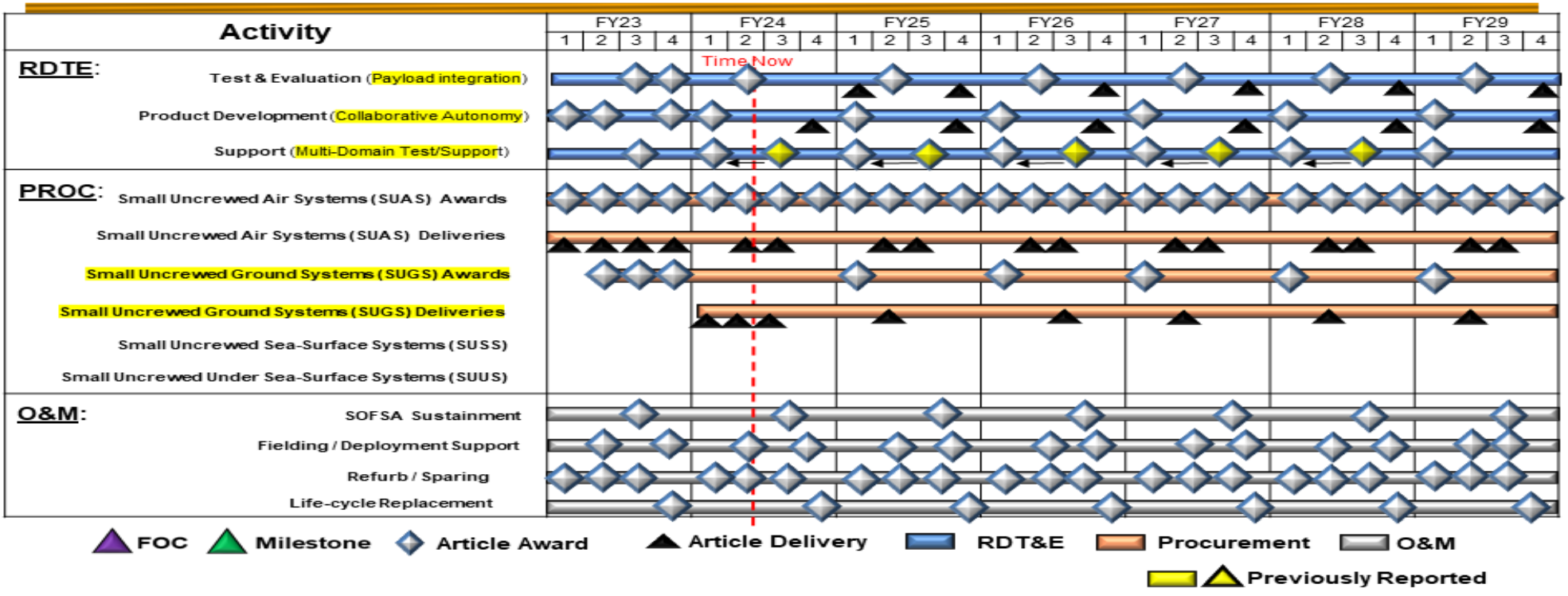


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160405BB / *Intelligence Systems Development*	**Project (Number/Name)** S400 / *SO Intelligence Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
National Systems Support to SOF (NSSS)				
Enhanced Situational Awareness (ESA)	1	2023	4	2029
Tactical Target Acquisition (TTA)	1	2023	4	2029
Signals Intelligence (SIGINT)	1	2023	4	2029
Geospatial Intelligence (GEOINT)	1	2024	4	2029
Payload Development / Integration	1	2023	4	2029
Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)				
Product Development	1	2023	4	2029
User Assessments	1	2023	4	2029
Integrated Survey Program (ISP)				
Product Development	1	2023	4	2029
Developmental Test and Evaluation	1	2023	4	2029
Sensitive Site and Exploitation (SSE)				
Test and Evaluation - IOT&E Technical evaluation of new technologies	1	2023	4	2029
Product Development - Rapid Innovative Prototyping	1	2023	4	2029
SOF Signals Intelligence (SIGINT), Processing, Exploitation, Dissemination (PED) Silent Dagger (SD)				
Technology Enhancements/Integration and Test	1	2023	4	2029
Small Unmanned Systems (SUMS) (includes Expeditionary Organic Tactical Airborne - Intelligence, Surveillance, Reconnaissance (ISR) Capability Sets (EOTACS)				
Small Unmanned Systems (SUMS) Test & Evaluation	1	2023	4	2029

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
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) Product Development	1	2023	4	2029
Small Unmanned Systems (SUMS) Support	1	2023	4	2029
Multi-Mission Tactical Unmanned Aerial System (MTUAS)				
Platform Improvement Development and Prototyping	1	2025	4	2027
Technology Insertion	1	2023	4	2029
Test and Evaluation of Improvements and Modifications	1	2023	4	2029
Support- Subject Matter Expertise	1	2023	4	2029

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160408BB / *Operational Enhancements*

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	2,038.690	160.274	216.135	206.307	-	206.307	182.070	164.148	168.689	168.569	Continuing	Continuing
S500A: *Operational Enhancements*	2,038.690	160.274	216.135	206.307	-	206.307	182.070	164.148	168.689	168.569	Continuing	Continuing

A. Mission Description and Budget Item Justification

Details are provided under separate cover.

FY 2023 includes $10.554 million in Overseas Operations Costs (OOC) Actuals. FY 2024 includes $4.417 million for the OOC Budget Estimate. FY 2025 includes $2.066 million for the OOC Budget Estimate.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	184.260	216.135	217.625	-	217.625
Current President's Budget	160.274	216.135	206.307	-	206.307
Total Adjustments	-23.986	0.000	-11.318	-	-11.318
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-17.261	-			
• SBIR/STTR Transfer	-6.725	-			
• Adjustments to Budget Year	-	-	-11.318	-	-11.318

Change Summary Explanation

Funding:

FY 2023: Decrease of $23.986 million will be provided under separate cover.

FY 2024: None.

FY 2025: Decrease of $11.318 million will be provided under separate cover.
Overseas Operations Costs (OOC) funds this requirement in the amount of $2.066 million for FY 2025 Budget Estimate. Overseas Operations Costs (OOC) are those financed with former Overseas Contingency Operations (OCO) funding. Details provided under separate cover.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*

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	558.548	151.860	263.374	245.882	-	245.882	229.018	244.286	240.902	245.801	Continuing	Continuing
D476: *Military Information Support Operations*	62.117	4.304	3.500	4.234	-	4.234	4.319	4.405	4.492	4.581	Continuing	Continuing
S375: *Weapons Systems*	10.654	1.462	1.592	1.506	-	1.506	1.527	1.558	1.589	1.621	Continuing	Continuing
S385: *Soldier Protection and Survival Systems*	97.167	28.520	27.283	31.607	-	31.607	28.454	28.658	29.083	29.732	Continuing	Continuing
S385A: *Body Armor and Associated Equipment*	12.892	1.626	1.773	1.674	-	1.674	1.697	1.732	1.766	1.801	Continuing	Continuing
S395: *Visual Augmentation, Lasers and Sensor Systems*	23.768	4.808	5.152	4.824	-	4.824	4.834	4.930	5.028	5.130	Continuing	Continuing
S700: *Communications Equipment and Electronics Systems*	107.257	45.840	92.602	87.257	-	87.257	79.895	92.131	88.011	89.780	Continuing	Continuing
S710: *Tactical Systems Development*	26.604	21.872	58.821	52.497	-	52.497	47.628	49.784	53.891	54.969	Continuing	Continuing
S725: *Tactical Radio Systems*	62.809	10.555	17.789	37.643	-	37.643	33.688	21.785	20.333	19.826	Continuing	Continuing
S800: *Munitions Advanced Development*	155.280	32.873	54.862	24.640	-	24.640	26.976	39.303	36.709	38.361	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) provides for the development, rapid prototyping, testing, and integration of specialized equipment in the areas of military information support operations (MISO), weapons, soldier protection and survival, body armor and associated equipment, visual augmentation, lasers, sensors and simulators, communication equipment and electronics, tactical systems development, tactical radio systems, and munitions advanced development. Warrior Systems specialized equipment will permit small, highly trained forces to conduct required operations across the entire spectrum of conflict. Special Operation Forces (SOF) must infiltrate by land, sea, and air to conduct unconventional warfare, direct action, or deep reconnaissance operations in denied areas against insurgent units, terrorists, or highly sophisticated threat forces. The requirement to operate in denied areas controlled by a sophisticated threat mandates that SOF systems remain technologically superior to threat forces to ensure mission success. The efforts within this PE improve SOF warfighting capabilities by continuing efforts to develop smaller, lighter, more efficient and more robust capabilities and build an enduring advantage in support of the 2022 National Defense Strategy (NDS). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability while, generally, being conducted in harsh environments for unspecified periods and in locations requiring small unit autonomy.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*

FY 2023 includes $4.128 million in Overseas Operations Costs (OOC) Actuals. FY 2024 includes $12.897 million in the OOC Budget Request. FY 2025 includes $13.097 million for the OOC Budget Estimate. OOC were financed previously with former Overseas Contingency Operations (OCO) funding.

D476 MISO:
This project funds the development, test, and integration of systems to conduct the seven phase MISO process (planning, targeting audience analysis, series development, product development and design, approval, production/distribution/dissemination, and measures of effectiveness) in support of combatant commanders. MISO efforts convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately the behavior of foreign governments, organizations, groups, and individuals.

The Fly Away Broadcast System (FABS) program has been re-designated as a Major Capability Acquisition Program (ACAT III) in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85. The purpose of the Fly Away Broadcast System (FABS) is a third-generation radio, television, and cellular broadcast Family of Systems (FoS) that that uses Government and industry standard technology to disseminate influence products to foreign target audiences using a wide range of frequencies and spectrums: AM, FM, SW, TV VHF, TV, UHF (in digital/analog formats), and cellular MMS/SMS broadcasts. This capability serves to deter adversarial aggression and counters social/political propaganda that threaten U.S vital interests in support of the National Defense Strategy. The Next Generation FABS is the Broadcast Dissemination Platform (BDP) which integrates additional capabilities to enhance MISO broadcast, reduces Size, Weight, and Power (SWAP), and consists of three variants (Light/Medium/Heavy).

The Next Generation Loud Speaker (NGLS) program has been re-designated as a Major Capability Acquisition Program (ACAT III) in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. The purpose of the NGLS program to develop systems demonstrating NGLS Dismounted (D), Mounted (M), Scatterable Media (SM), Sonic Projection (SP), Unmanned Ground Vehicle (UGV), and Unmanned Aerial Vehicle (UAV) capabilities. The program has an evolutionary acquisition strategy for thee legacy NGLS-D and an incremental acquisition strategy for developmental variants NGLS-M and NGLS-SP, government agencies and commercial sources are leveraged for required certifications, functional and operational tests, and sustainment.

The total cost of the Media Production Center (MPC) MTA effort is $8.299 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The MPC program is fully funded across the FYDP.

S375 Weapons Systems:
This project provides for next generation system development and Pre-Planned Product Improvements (P3I), testing, and integration of specialized weapon systems and weapon accessories to meet the unique requirements of SOF. Efforts include muzzle brakes and suppressors, and P3I for assault, sniper, and crew served weapons leveraging the latest technological advances to achieve overmatch capability against emerging threats.

The total cost of the Weapons/Target Engagement MTA effort is $78.490 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The Weapons/Target Engagement effort is fully funded across the FYDP.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*

S385 Soldier Protection and Survival Systems:
This project funds the development, testing, integration, rapid prototyping and evaluation of specialized equipment to meet the unique soldier protection and survival requirements of SOF, including: individual survival equipment; hearing protection; clothing systems; load bearing equipment; Multi-Mission Electronic Countermeasures (MM-ECM) systems; Counter Uncrewed Systems (CUxS) (aerial, ground and maritime); and personal safety equipment to improve the mobility of SOF, while conducting varied missions. These missions are generally conducted in harsh and hostile environments, for unspecified periods and in locations requiring small unit autonomy. Efforts relating to soldier protection and survival requirements will improve survivability and mobility of SOF while conducting varied missions. The CUxS efforts rely on cutting edge detection sensors, both passive and active, paired with kinetic and non-kinetic defeat systems to allow SOF operators to conduct SOF missions in denied and hostile environments worldwide.

This project received Congressional Adds in FY 2023 for Per- and Polyflouroakyll Substances (PFAS)/ Perflourooctanic Acid (PFOA) free durable water repellent treatment ($4.000 million), CUxS procurement acceleration ($5.400 million) and mobile CUxS solutions ($3.000 million).

The total cost of the Special Operations Forces Personal Equipment Advanced Requirements (SPEAR) MTA effort is $6.835 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The SPEAR effort is fully funded across the FYDP. Note: In the FY 2024 President's Budget's request, the SPEAR program included funding for efforts now justified under Power and Data Accessory Suite.

The total cost of the Tactical Combat Casualty Care (TCCC) Middle Tier of Acquisition (MTA) effort is $14.343 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The TCCCE effort is fully funded across the FYDP.

The total cost of the MM-ECM MTA effort is $95.325 million (FY 2022 to FY 2026) as a rapid prototype transition to rapid fielding MTA, including RDT&E and procurement of prototype units. The MM-ECM effort is fully funded across the FYDP.

The total cost of the Personal Signature Management (PSM) MTA effort is $8.941 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The PSM effort is fully funded across the FYDP.

S385A Body Armor and Associated Equipment:
This project provides specialized equipment with ballistic protection to meet the unique soldier protection and survival requirements of SOF. Specialized ballistic equipment improves survivability and load bearing equipment impacting the mobility of SOF while conducting varied missions. This project enhances the SPEAR program by providing for the research, development, and testing of body armor plates, soft armor, helmets, eye protection, and other personal protective equipment to meet current ballistic threats that exist on the battlefield.

The total cost of the SPEAR Body Armor and Associated Equipment MTA effort is $8.441 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The SPEAR Body Armor and Associated Equipment effort is fully funded across the FYDP.

S395 Visual Augmentation, Lasers and Sensor Systems:
This project provides for the development, testing, and integration of specialized visual augmentation, laser and sensor systems equipment to meet the unique requirements of SOF and facilitate future Hyper-Enabled Operator (HEO) capabilities. Efforts in this area include binocular/monocular devices; next generation laser designation and geo-location systems; weapon aiming lasers, scopes and accessories; and training and simulation systems. Specialized visual augmentation, lasers and sensors will permit small, highly trained forces to conduct required operations across the entire spectrum of conflict.

The total cost of the Visual Augmentation System (VAS) MTA effort is $170.859 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The VAS effort is fully funded across the FYDP.

S700 Communications Equipment and Electronics Systems:
This project provides for communication systems to meet emergent requirements to support SOF. SOF units require communications equipment that improves their warfighting capability without degrading their mobility. SOF Communications Equipment and Electronics is a continuing effort to develop smaller, lighter, more efficient and more robust SOF command, control, communication, and computers (C4) capabilities. Communication efforts will maintain a command, control, and communications (C3) link between SOF Commanders and SOF Teams, and provide interoperability with all services, various agencies of the United States Government, Air Traffic Control, commercial agencies and allied foreign forces.

The SDN program has been designated a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85. The TACLAN program is fully funded across the FYDP.

S710 Tactical Systems Development:
This project provides for the development, testing, and integration of specialized automation equipment to meet the unique requirements of SOF. Tactical systems provide forward deployed forces with advanced networking, automated data processing, storage, and display capabilities to support situational awareness, mission planning and execution, and command and control (C2) of forces.

This project received Congressional Adds in FY 2023 ($17.000 million), details will be provided under separate cover.

The TACLAN program has been designated a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85. The TACLAN program is fully funded across the FYDP.

The TACLAN program has been designated a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. The program will use an Evolutionary Technology Insertion (ETI) strategy to rapidly field production quantities of systems with proven technologies to provide tactical SOF elements from the individual operator to a larger Joint Special Operations Task Force (JSOTF) / Special Operations Joint Task Force (SOJTF) Headquarters (HQ), support for a wide range of tactical edge computing functions that support Command and Control (C2), Situational Awareness (SA), intelligence analysis and reporting, office automation,

decision-making, mission analysis, planning, rehearsal, and execution support. Commercial and government sources are leveraged for required certifications, system level integration, functional, and operational testing, and evaluations.

S725 Tactical Radio Systems:
This project provides for the development of all SOF tactical radio programs. SOF units require radio communication equipment that improves their warfighting capability without degrading their mobility. The USSOCOM has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. SOF tactical radios provide the critical C3 link between SOF Commanders and SOF teams involved in operational missions and training exercises. In addition, they provide interoperability amongst the services, various agencies of the United States Government, air traffic control, commercial agencies, and allied/coalition forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed C2 communications between infiltrated/operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

The total cost of the Remote, Advise and Assist Virtual Accompany Kit (RAA/VAK) MTA effort is $201.767 million (FY 2025-FY 2029), including RDT&E and procurement of prototype units. The RAA/VAK effort is fully funded across the FYDP.

The Next Generation Tactical Communications (NGTC) is a COTS/Non-Development Item with ETIs. Commercial and government agency sources will be leveraged for required certifications, functional and operational tests, and acceptance support. The NGTC program has been re-designated as a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. The purpose of the NGTC program to develop and demonstrate Next Generation High Frequency Radios and to field Next Generation Tactical Handheld and Manpack Radios systems with proven technologies.

S800 Munitions Advanced Development:
This project provides for the advanced engineering, operational system development, and qualification efforts related to SO-peculiar and Foreign/Non-standard munitions and equipment. Funding supports development of Insensitive Munitions (IM) technology and evaluation, in accordance with the statutory requirement set forth in U.S. Code, Title 10, Chapter 141, Section 2389 (December 2001). Testing is in accordance with the USSOCOM IM Strategic Plan. Funding also supports efforts to develop and improve Maritime Precision Engagement Munition (MPE-M), Ground Organic Precision Strike System (GOPSS), and Stand-Off Precision Guided Munitions (SOPGM), including the development and integration of various technologies to enhance/modernize the SOPGMs delivered onto SOF and non-SOF platforms. MPE-M and GOPSS develop a SOF organic strike mission package to surgically strike an agile and mobile enemy, protect our forces, and minimize collateral damage. MPE-M develops a SOF specific, maritime, precision strike package for Naval Special Warfare (NSW) Combatant Craft to defend forces and strike an evolving enemy while minimizing collateral damage.

This project also received Congressional Adds in FY 2023 for Ground Organic Precision Strike Systems ($9.567 million), MPE-M ($3.600 million), and details provided under separate cover ($2.397 million).

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*

The total cost of the SOPGM MTA effort is $349.761 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The SOPGM effort is fully funded across the FYDP.

The total cost of the GOPSS MTA effort is $77.299 million (FY 2022 to FY 2026), including RDT&E and procurement of prototype units. The GOPSS effort is fully funded across the FYDP.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	166.404	263.374	206.728	-	206.728
Current President's Budget	151.860	263.374	245.882	-	245.882
Total Adjustments	-14.544	0.000	39.154	-	39.154
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-8.469	-			
• SBIR/STTR Transfer	-6.075	-			
• Adjustments to Budget Year	-	-	39.154	-	39.154

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S385: *Soldier Protection and Survival Systems*		
Congressional Add: *CUxS*	8.094	-
Congressional Add: *SPEAR*	3.854	-
Congressional Add Subtotals for Project: S385	11.948	-
Project: S710: *Tactical Systems Development*		
Congressional Add: *Identity Management*	9.635	-
Congressional Add: *Next Generation Intelligence, Surveillance, and Reconnaissance SOF Enhancement*	9.847	-
Congressional Add Subtotals for Project: S710	19.482	-
Project: S800: *Munitions Advanced Development*		
Congressional Add: *GOPSS*	9.567	-
Congressional Add: *MPE-M*	3.469	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Congressional Add: *Classified Program(s)*	1.746	-
Congressional Add Subtotals for Project: S800	14.782	-
Congressional Add Totals for all Projects	46.212	-

Change Summary Explanation

Funding:

FY 2023: Net decrease of -$14.544 million is due a reprogramming of Congressional Add funding for SOF Intelligence, Surveillance, and Reconnaissance Next Generation development to PE 11604032BB due to the effort's technology maturity level (-$6.332 million); a reprogramming of $2.000 million to PE 1160403BB from SOF Digital Ecosystem (-$1.000 million) and Mission Command System/Common Operational Picture (-$1.000 million), a reprogramming of (-$0.137 million) to support critical emergent Command requirements; and a decrease of (-$6.075 million) was due to the reprogramming of funds to the congressionally mandated Small Business Innovative Research/Small Business Technology (SBIR/STTR) programs.

FY 2024: None.

FY 2025: Net increase of $39.154 million supports accelerated development and testing of the Sonic Projection Short Range Capability, MOBY Mission Module, and Holographic Projection, enabling earlier production for the Next Generation Loud Speaker ($0.800 million); over the air assessment of High Throughput Satellite (HTS) for next-generation satellite terminals in the Satellite Deployable Node (SDN) effort ($0.750 million); development of the Next Generation Blue Force Tracking (BFT) devices ($7.065 million); and development of payload modular and resilient waveforms for Next Generation Tactical Communication (NGTC) radios ($24.714 million); a decrease due to weapons systems within fielding phases no longer requiring RDT&E support (-$0.113 million); a decrease in SPEAR due to reduction of test article, development, and testing of communication headsets, environmental protection, body armor vest, and load carriage systems (-$0.194 million); an increase to support modular development and testing required to expand the Next Generation MM-ECM man-portable configuration for mounted and fixed-site applications as a result of insight gained from the rapid-competition phase ($3.085 million); a decrease in SPEAR Body Armor due to the reduction of test article development and testing of body armor, helmet, and eye protection systems (-$0.126 million); a decrease is due to a reduction in VAS optics and lasers development efforts (-$0.364 million); an increase Mission Command System/Common Operational Picture (MCS/COP) supports development/deployment of baseline capability across SOF Enterprise on multiple networks including UNCLASSIFIED, SECRET and TOP SECRET ($8.000 million); a decrease in Munitions Advanced Development due to reduction in prototyping/testing of munitions improvements (-$0.040 million), a decrease in Maritime Precision Engagement-Munitions (MPE-M) due to the transition of funding from RDT&E, Defense-wide (DW), Program Element 1160431BB, Warrior Systems, Project Code S800 / Munitions Advanced Development to RDT&E, DW, Program Element 1160483BB, Maritime Systems, Project Code S1684 / Surface Craft to Support Combatant Craft Medium (CCM) MK2 program (-$14.477 million); and details for an increase will be provided under separate cover ($8.402 million). PDAS $0.122 million decrease due to streamlined efficiencies in power and data management system solutions.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) D476 / *Military Information Support Operations*	

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
D476: *Military Information Support Operations*	62.117	4.304	3.500	4.234	-	4.234	4.319	4.405	4.492	4.581	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the development and acquisition of Military Information Support Operations (MISO) equipment. MISO are planned operations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately, the behavior of foreign governments, organizations, groups, and individuals. This project funds transformational systems and equipment to conduct MISO in support of combatant commanders.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Fly-Away Broadcast System (FABS), Program Number 753	2.732	0.449	0.743
Description: The FABS is a third-generation radio, television, and cellular broadcast Family of Systems (FoS) that uses Government and industry standard technology to disseminate influence products to foreign target audiences using a wide range of frequencies and spectrums: AM, FM, SW, TV VHF, TV, UHF (in digital/analog formats), and cellular Multi-media Messaging Service/Short Message Service broadcasts. This capability serves to deter adversarial aggression and counters social/political propaganda that threaten the U.S vital interests in support of the 2022 National Defense Strategy. The Next Generation FABS is the Broadcast Dissemination Platform (BDP) which integrates additional capabilities to enhance MISO broadcast, reduces Size, Weight, and Power (SWAP), and consists of three variants (Light/Medium/Heavy). ***FY 2024 Plans:*** Complete development, test, and evaluation for BDP-Light. Begin development, test, and evaluation of BDP-Medium. ***FY 2025 Plans:*** Completes development, test, and evaluation for BDP-Light. Continues development test and evaluation for BDP-Medium. Begin development for BDP Heavy. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.294 million supports finalized development, test and evaluation of BDP-Medium.			
Title: Next Generation Loud Speakers (NGLS), Program Number 764	-	1.377	1.744
Description: The NGLS are transportable audio broadcast systems that provide the Psychological Operations (PSYOP) forces the ability to effectively reach target audiences with high quality transmissions in friendly, denied, hostile or deep territory.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
The NGLS requirements include six variants: Dismounted (D), Mounted (M), Scatterable Media (SM), Sonic Projection (SP), Unmanned Ground Vehicle (UGV), and Unmanned Aerial Vehicle (UAV). ***FY 2024 Plans:*** NGLS-D: Begin Generation 2 development, test, and evaluation. NGLS-SP Short Range: Complete development, test, and evaluation (Phase 2 SIBR). ***FY 2025 Plans:*** NGLS-D: Continue devlopmental test and evaluation. NGLS-SP Long Range (Phase 3): Begins development. NGLS-SP Short Range (Phase 3): Begins development. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.367 million supports continued development, test and evaluation of NGLS-SP Long Range.			
Title: Media Production Center (MPC), Program Number 765 ***Description:*** The MPC is a family of systems which includes multi-media production, editing, and archiving of capabilities to deliver imagery, audio, animation, and audio/video products of varying technical complexity to support SOF Psychological Operations operators. Message dissemination capability is essential for irregular warfare enabling SOF to gain the competitive edge. As our adversaries shift from counterinsurgencies to great power competition, technology must evolve to counter advanced threats, specifically in the emerging information warfare domain aligning with the 2022 National Defense Strategy. SOF is charged with conducting Military Information Support Operations (MISO) to promote U.S. influence, shape conditions, and align political objectives that rival the adversarial resources in this domain. ***FY 2024 Plans:*** Continue incremental development, test and evaluation (DT&E) of emerging software applications. ***FY 2025 Plans:*** Continues incremental DT&E of emerging software applications. Continues to explore beneficial evolving software technology. Integrates and fine tunes software applications based on DT&E and feedback from end users. Begins development of Next Generation MPC-Medium. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.073 million supports initial development of Next Generation MPC-Medium.	1.572	1.674	1.747
Accomplishments/Planned Programs Subtotals	4.304	3.500	4.234

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC1/0204OTHER: *OTHER ITEMS <$5M*	101.173	108.816	79.015	-	79.015	80.968	95.025	96.990	92.743	Continuing	Continuing

Remarks

None.

D. Acquisition Strategy

• The Fly Away Broadcast System (FABS) has been re-designated as a Major Capability Acquisition Program (ACAT III) in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. The purpose of the Fly Away Broadcast System (FABS) is a 3rd-generation radio, television, and cellular broadcast Family of Systems (FoS) that that uses Government and industry standard technology to disseminate influence products to foreign target audiences using a wide range of frequencies and spectrums: AM, FM, SW, TV VHF, TV, UHF (in digital/analog formats), and cellular MMS/SMS broadcasts. This capability serves to deter adversarial aggression and counters social/political propaganda that threaten U.S vital interests in support of the National Defense Strategy. The Next Generation FABS is the Broadcast Dissemination Platform (BDP) which integrates additional capabilities to enhance MISO broadcast, reduces Size, Weight, and Power (SWAP), and consists of three variants (Light/Medium/Heavy).

• The Next Generation Loud Speaker (NGLS) program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114- 92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapidly develop (Rapid Prototyping) prototypes demonstrating NGLS Dismounted (D), Mounted (M), Scatterable Media (SM), Sonic Projection (SP), Unmanned Ground Vehicle (UGV), and Unmanned Aerial Vehicle (UAV) capabilities. The program has an evolutionary acquisition strategy for the legacy NGLS-D and an incremental acquisition strategy for developmental variants NGLS-M and NGLS-SP, government agencies and commercial sources are leveraged for required certifications, functional and operational tests, and sustainment.

• The MPC program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 513.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapidly develop, test, and evaluate advanced software applications via Government agencies and commercial sources. The MPC acquisition strategy is implemented via multiple cost-plus-fixed-fee (CPFF) other transaction authorities, CPFF task orders and Military Interdepartmental Purchase Requests (MIPR), as required.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Fly Away Broadcast Systems (FABS) - Broadcast Dissemination Platform (BDP) Light	MIPR	Various : Various	8.364	2.732	Jul 2023	-		-		-		-	0.000	11.096	-
FABS BDP-Medium	MIPR	Various : Various	-	-		0.399	Apr 2024	0.543	May 2025	-		0.543	Continuing	Continuing	-
FABS BDP-Heavy	MIPR	Various : Various	-	-		-		0.050	Apr 2025	-		0.050	0.000	0.050	-
Next Generation Loud Speakers (NGLS)-D Generation 2 Development	Various	Various : Various	-	-		1.277	Jan 2024	-		-		-	Continuing	Continuing	-
NGLS Scatterable Media Increment 2	Various	Various : Various	2.629	-		-		-		-		-	0.000	2.629	-
NGLS-Long Range Sonic Projection (LRSP)	C/Various	Various : Various	-	-		-		1.100	Oct 2025	-		1.100	Continuing	Continuing	-
NGLS- Short Range Sonic Projection (SRSP)	Various	Various : Various	-	-		-		0.644	Apr 2025	-		0.644	Continuing	Continuing	-
Media Production Software Application Technologies	C/Various	Various : Various	3.077	1.472	Jan 2023	1.574	Jan 2024	0.500	Jan 2025	-		0.500	Continuing	Continuing	-
Next Generation - Media Production Center (MPC)	C/Various	Various : Various	-	-		-		1.147	Apr 2025	-		1.147	Continuing	Continuing	-
Prior Year	C/Various	Various : Various	30.929	-		-		-		-		-	0.000	30.929	-
Prior Year - Congressional Add	C/Various	Various : Various	15.409	-		-		-		-		-	0.000	15.409	-
		Subtotal	60.408	4.204		3.250		3.984		-		3.984	Continuing	Continuing	N/A

Remarks

FABS BDP-Light program is being re-baselined. Current BDP-L prototypes do not meet three key performance parameters.
FABS BDP-Medium research, development, test and evaluations will start in FY 2024 and will continue through FY 2025.
FABS BDP-Heavy will begin in FY 2025.
NGLS-Scatterable Media is being re-baselined.
MPC: Developmental/Operational Test and Evaluation are combined events.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FABS BDP-Light Developmental/ Operational Test	MIPR	Various : Various	-	-		-		0.100	Oct 2024	-		0.100	Continuing	Continuing	-
FABS BDP-Medium Developmental/ Operational Test	MIPR	Various : Various	-	-		0.050	Jun 2024	0.050	Aug 2025	-		0.050	Continuing	Continuing	-
NGLS-Scatterable Media (SM) and Dismounted (D) Developmental Test	MIPR	Various : Various	-	-		0.100	Jul 2024	-		-		-	0.000	0.100	-
Media Production Software Application Technologies (Developmental, Operational)	C/Various	Various : Various	0.100	0.100	Jan 2023	0.100	Jan 2024	0.100	Jan 2025	-		0.100	Continuing	Continuing	-
Prior Year	Various	Various : Various	1.609	-		-		-		-		-	0.000	1.609	-
		Subtotal	1.709	0.100		0.250		0.250		-		0.250	Continuing	Continuing	N/A

Remarks

BDP-Light developmental and operational test Oct 2024.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	62.117	4.304		3.500		4.234		-		4.234	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Fly Away Broadcast System (FABS) Schedule

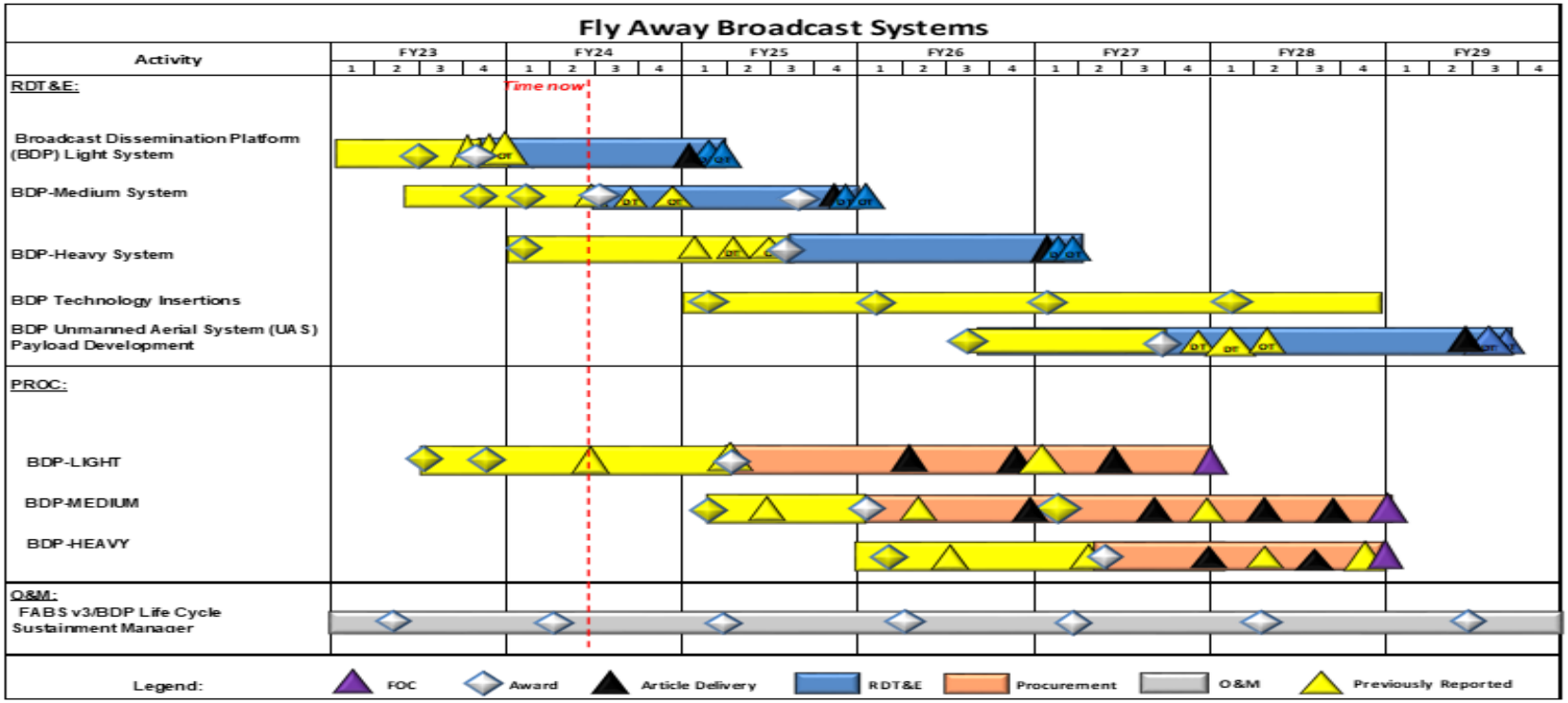

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Next Generation Loudspeaker System (NGLS) Schedule

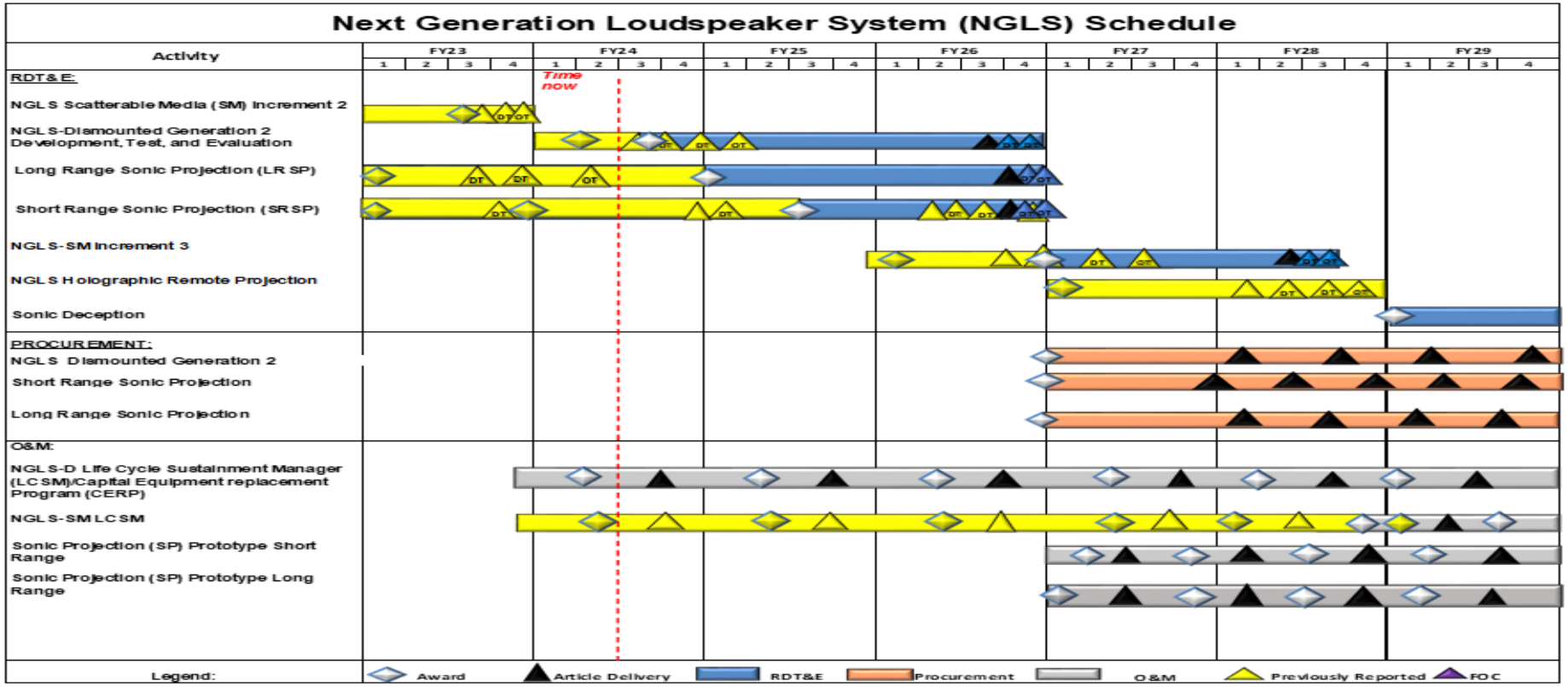

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Media Production Center (MPC) Schedule

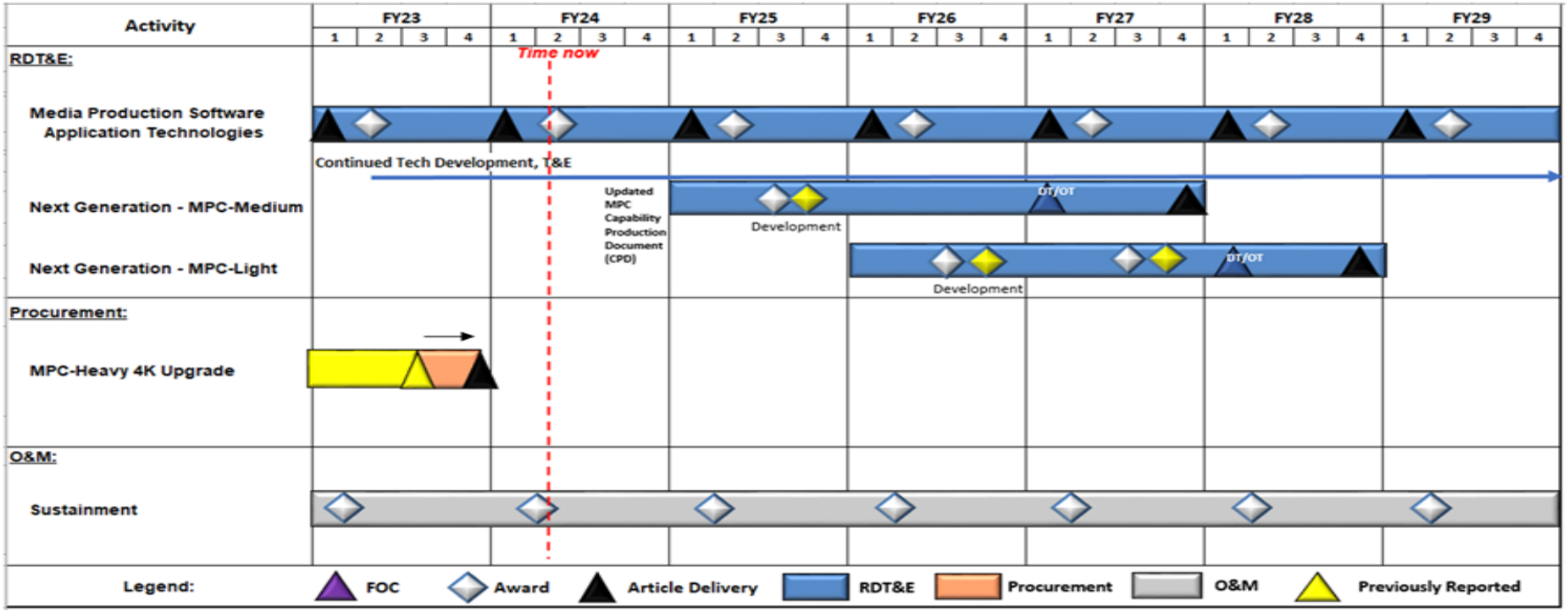

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** D476 / *Military Information Support Operations*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Fly Away Broadcast Systems (FABS)				
Broadcast Dissemination Platform (BDP) Light	4	2023	1	2025
BDP Medium	3	2024	4	2025
BDP Heavy	3	2025	1	2027
BDP Unmanned Aerial System Payload Development	3	2026	3	2028
Next Generation Loudspeakers (NGLS)				
NGLS-Dismounted Generation 2 Development, Test, and Evaluation	3	2024	4	2026
Long Range Sonic Projection (LRSP)	1	2025	4	2026
Short Range Sonic Projection (SRSP)	3	2025	4	2026
NGLS- SM Increment 3	1	2027	3	2028
Media Production Center (MPC)				
Media Production Software Application Technologies	1	2023	4	2029
Next Generation - MPC - Medium	1	2025	4	2027
Next Generation - MPC - Light	1	2026	4	2028

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S375 / *Weapons Systems*	

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
S375: *Weapons Systems*	10.654	1.462	1.592	1.506	-	1.506	1.527	1.558	1.589	1.621	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the next generation systems Pre-Planned Product Improvements (P3I), testing, and integration of specialized weapon systems and weapon accessories to meet the unique requirements of Special Operations Forces (SOF). The efforts include product improvements and testing of the Suppressed Upper Receiver Group (SURG), Advanced Sniper Rifle (ASR), Machine Gun (MG) Barrel, Mid-Range Gas Gun (MRGG), Reduced Signature Assault Rifle (RSAR), Hand Gun (HG) Suppressor, Lightweight Machine Gun-Medium (LMG-M), and Lightweight Machine Gun-Assault (LMG-A). The product improvements will leverage the latest technological advances to achieve over match capability for integrated deterrence by posturing to fight and win against current and emerging threats.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Weapons, Program Number 709	1.462	1.592	1.506
Description: The SOF weapons are developed to enable the operator to tailor the configuration of the weapon to the assigned mission and operational environment, enhancing the overall effectiveness of the weapons, which enables mission accomplishment and operator survivability.			
FY 2024 Plans: Continue to perform safety and qualification testing, engineering change proposals, and support of individual sniper, rifle, suppressor, and machine gun weapons.			
FY 2025 Plans: Continues to perform safety and qualification testing, engineering and change proposals, and support of individual pistol sniper, rifle, grenade launcher, and machine gun weapons.			
FY 2024 to FY 2025 Increase/Decrease Statement: Decrease of $0.086 million is due to Mid-Range Gas Gun - Sniper Support (MRGG-S) and the Reduced Signature Assault Rifle (RSAR) transitioning to fielding.			
Accomplishments/Planned Programs Subtotals	1.462	1.592	1.506

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems <$5M*	367.819	329.837	363.900	-	363.900	364.557	384.424	383.245	396.089	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S375 / *Weapons Systems*

C. Other Program Funding Summary ($ in Millions)

Line Item	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

Remarks

D. Acquisition Strategy

Evolutionary acquisition, leveraging emerging technology and rapid prototyping efforts when appropriate. An evolutionary approach delivers capability in increments, recognizing, up front, the need for future capability improvements. Full and open competition with Firm-Fixed Price contracts and Other Transaction Authorities (OTAs). Weapons/Target Engagement utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Prototyping/Rapid Fielding of weapon systems providing increased lethality and to support capability set procurements and fielding.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S375 / *Weapons Systems*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Weapon Developmental Test & Evaluation	MIPR	Various : Various	10.654	1.462	Jan 2023	1.592	Jan 2024	1.506	Jan 2025	-		1.506	Continuing	Continuing	-
		Subtotal	10.654	1.462		1.592		1.506		-		1.506	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	10.654	1.462		1.592		1.506		-		1.506	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S375 / *Weapons Systems*

Weapon Systems Schedule

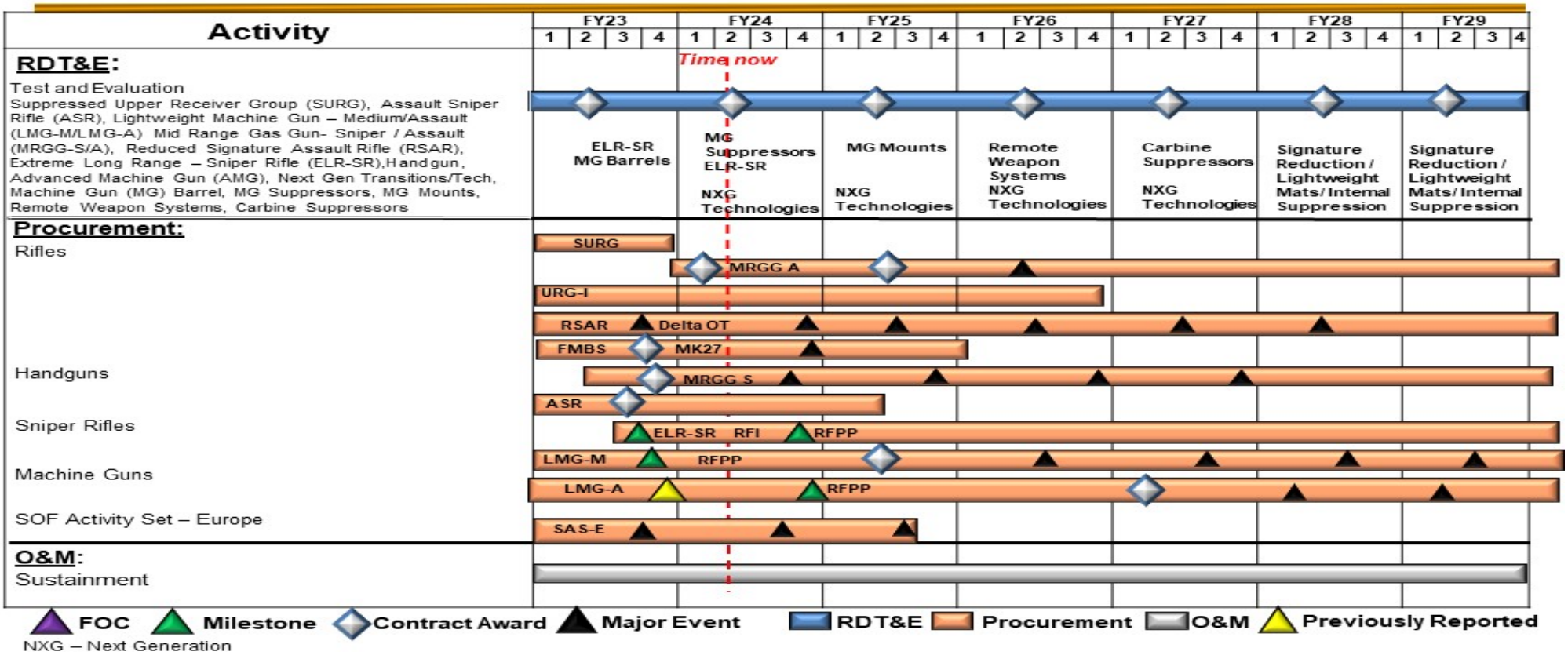

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S375 / *Weapons Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Weapon Systems				
Developmental Test & Evaluation: Extreme Sniper Strike Operations Machine Gun Barrels, Machine Gun Assault Rifle Suppressors, Grenade Launcher, Remote Weapon Systems, Signature Reduction Lightweight	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S385 / *Soldier Protection and Survival Systems*	

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
S385: *Soldier Protection and Survival Systems*	97.167	28.520	27.283	31.607	-	31.607	28.454	28.658	29.083	29.732	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project funds the development, testing, integration, rapid prototyping and evaluation of specialized equipment to meet the unique soldier protection and survival requirements of Special Operations Forces (SOF), including, but not limited to: individual survival equipment; Multi-Mission Electronic Countermeasures (MM-ECM); and Counter Uncrewed Systems (aerial, ground and maritime); and personnel safety equipment to improve the mobility of SOF, while conducting varied missions. These missions are generally conducted in harsh and hostile environments, for unspecified periods and in locations requiring small unit autonomy.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: SOF Personal Equipment Advanced Requirements (SPEAR), Program Number 807	1.253	1.310	1.256
Description: Special Operations Forces Personal Equipment Advanced Requirements (SPEAR) provides the SOF operator with the individual equipment required to meet USSOCOM unique missions. The SPEAR program provides for research, development, testing and evaluation of a variety of individual survival equipment including, but not limited to ballistic and environmental protective combat uniforms, load carriage systems, body armor vest systems and communication headsets and aligns with the NDS by protecting to protect operators defending the homeland in a multi-domain threat environment. ***FY 2024 Plans:*** Improved fit and tailorability of uniforms, load carriage and armor carriage system. Continue headsets, environmental protection, material testing and evaluations, and load carriage efforts. Continue headsets, environmental protection, material testing and evaluations, and load carriage efforts. ***FY 2025 Plans:*** Continues headsets, environmental protection, material test and evaluation, and load carriage efforts. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.054 million is due to reduction of test article development and testing for communication headsets, environmental protection, body armor vest and load carriage systems.			
Title: Power and Data Accessory Suite (PDAS)	1.645	1.752	1.625
Description: The Power and Data Accessories Suite (PDAS) is a Special Operations Command modular suite of power and data systems that will replace individual power and data system solutions. The PDAS includes evolutionary developments with an incremental plan to provide immediate solutions and evolve to a streamlined set of systems. The PDAS includes advanced			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
power sources, power scavenger technologies, and Operator driven, integrated power and data management solutions. During the FY 2024 President's Budget submittal, this effort and funding were contained in SPEAR. PDAS aligns to the NDS through the development of integrated enabling technologies and protecting Operators defending the homeland in a multi-domain threat environment. ***FY 2024 Plans:*** Continue power and data management system development and evaluations. ***FY 2025 Plans:*** Continues power and data management system development, evaluations and integrated systems efforts. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.127 million is due to streamline efficiencies in power and data management system solutions.			
Title: Tactical Combat Casualty Care (TCCC), Program Number 809 ***Description:*** The TCCC program provides lifesaving medical devices, ancillary equipment and Casualty Evacuation (CASEVAC) sets, and brain health equipment for SOF. The CASEVAC procures a suite of Food and Drug Administration (FDA) approved medical items including, but not limited to, intraosseous infusion devices, patient monitoring and assessment devices, emergency airway kits, as well as devices that provide SOF the capability to support extraction, mobility, transportation, and sustainment of casualties in forward areas. The TCCC program fields essential lifesaving CASEVAC equipment and capabilities and is a platform to transition capabilities developed under the National Mission Force's Tactical Medical Programs. Brain health efforts support the development, test and evaluation of technologies to detect and capture blast overpressure events and mitigate blast exposure to SOF. This campaigning capability, aligning to the 2022 National Defense Strategy, provides significant ability to counter competitor coercion and lessen battlefield losses by providing timely, critical lifesaving and evacuation capabilities to the forward-deployed SOF operators. ***FY 2024 Plans:*** Continue the test support, market surveys, rapid prototyping, test article acquisition, test and evaluation, and systems engineering in direct support of the Operator Kit, Medic Kit, & CASEVAC programs with continued focus on enabling telemedicine with wireless patient sensors for seamless integration of patient information into the electronic medical record. Develop enhanced software to analyze blast overpressure information, conduct market surveys and test article acquisition, and developmental and operational test and evaluation of emerging neurocognitive assessments, diagnostic technologies and blast exposure mitigating equipment in support of SOF brain health. ***FY 2025 Plans:***	0.667	0.716	0.717

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continues the test support, market surveys, rapid prototyping, test article acquisition, test and evaluation, and systems engineering in direct support of the Operator Kit, Medic Kit, & CASEVAC programs with continued focus on enabling telemedicine with wireless patient sensors for seamless integration into the electronic medical record. Develops Artificial Intelligence (AI) software capable of providing assisted decision support for SOF medics while operating in extreme austere disconnected areas. Continues the development and testing of enhanced software and for the analysis of blast overpressure exposure events and, conduct market surveys and test article acquisition, and developmental and operational test and evaluation of emerging neurocognitive assessments, diagnostic technologies, and blast exposure mitigating equipment in support of SOF brain health. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.001 million supports additional CASEVAC sets operational test and evaluation.			
Title: Multi-Mission Electronic Countermeasures (MM-ECM), Program Number 806	7.373	8.776	8.396
Description: System modernization efforts have expanded the operational capabilities of MM-ECM equipment across multiple Special Operations Forces (SOF) mission areas, including force protection, counter-uncrewed systems, and counter weapons of mass destruction. The USSOCOM uses ground (mounted/dismounted) based jammers to provide MM-ECM capabilities to counter Radio Frequency (RF) controlled devices and cellular threats. This program provides scalable MM-ECM systems whose configuration and modularity address multiple mission critical capabilities to counter this threat globally. To stay ahead of emerging threats, the USSOCOM has historically developed advanced techniques on an annual basis. Through strategic partnerships with the services, and other government agencies, the USSOCOM vastly improved program affordability while maintaining Joint Force compatibility. The Next Generation MM-ECM is designed to support multiple SOF missions in integrated deterrence including force protection, countering weapons of mass destruction, and Counter Uncrewed Systems (CUxS), while maintaining combat-credible forces and cost effective Counter Violent Extremist Organization (CVEO) capabilities. ***FY 2024 Plans:*** Continue system engineering, test article acquisition, prototyping and development of Next Generation ECM devices. Continue development of MM-ECM systems capabilities to include advanced software technique countermeasures, loadsets, and mission kits for mounted and dismounted systems. Continue developmental test and Operational test of advanced techniques, loadsets, and mission kits developed for the MM-ECM program. ***FY 2025 Plans:*** Completes Next Generation ECM prototype development and transition to DT and OT. Continues development and developmental testing and operational testing of advanced countermeasures techniques, loadsets, and mission kits developed for mounted and dismounted MM-ECM systems. ***FY 2024 to FY 2025 Increase/Decrease Statement:***			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Decrease of $0.380 million is due to maturation of the Next Generation ECM man-portable configuration from prototype development and testing to beginning production in FY 2025.			
Title: Counter Uncrewed System (CUxS), Program Number 717 ***Description:*** SOF CUxS, formerly Counter Unmanned Aerial Systems (CUAS), enhances the SOF operator's ability to detect, identify, classify, locate, track, deter, defeat, and exploit uncrewed system threats. The USSOCOM is taking a holistic approach to countering uncrewed threats across the air, ground, and maritime domains, with initial emphasis towards uncrewed aerial threats. The funding request for this program supports a Family of Systems (FoS) design, development, integration, prototyping, and test of cutting edge technologies that deliver and integrate various capabilities including, but not limited to, interceptors, radio frequency detection and defeat, other passive detection/defeat, radar, and electro-optical and infrared (EO/IR) to build enduring advantages and to rapidly adjust to new strategic demands in support of the 2022 National Defense Strategy. SOF CUxS requires maximum autonomy, low signature, and reduced size, weight, and power demands to enable SOF missions. ***FY 2024 Plans:*** Continue sensor and effector evaluation and development for integration into SOF's layered FoS for mounted, dismounted, and expeditionary fixed-site configurations. Continue System Integration / Platform Integration of CUxS capabilities, with emphasis on improved detection/defeat capabilities and expanded networking/interoperability. Continue annual developmental and operational testing in support of fielding and deployment release updates of proven capabilities for entry into program of record. ***FY 2025 Plans:*** Continues sensor and effector evaluation and development for integration into SOF's layered FoS for mounted, dismounted, and expeditionary fixed-site configurations. Continues System Integration / Platform Integration of CUxS capabilities, with emphasis on improved detection/defeat capabilities and expanded networking/interoperability. Continues annual developmental and operational testing in support of fielding and deployment release updates of proven capabilities for entry into program of record. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $4.852 million supports additional design, development, prototyping, testing, and operational assessment of CUxS sensors/effectors for integration into SOF's layered Family of Systems (FoS) with a focus on improved detection and defeat capabilities. This includes additional test and evaluation for National to Theater transition of CUxS capabilities.	3.952	12.897	17.749
Title: Personal Signature Management (PSM), Program Number ZHE ***Description:*** The PSM program provides for development, test and evaluation, fielding and sustainment of signature reducing technology and training to reduce the probability of detection of the individual operator against current and emerging battlefield threat sensors. PSM increases both lethality and survivability and directly aligns with the NDS. ***FY 2024 Plans:***	1.682	1.832	1.864

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continue the material development and test and evaluation of next generation signature reducing materials and threat sensor detectors. ***FY 2025 Plans:*** Continues development of signature reducing material solutions. Continues development and initiates the operational assessment of threat sensor detectors. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.032 million supports initial developmental testing of threat sensor detector.			
Accomplishments/Planned Programs Subtotals	16.572	27.283	31.607

	FY 2023	FY 2024
Congressional Add: CUxS ***FY 2023 Accomplishments:*** CUxS Sensor/Effector Evaluation, Development & System/Platform Integration.	8.094	-
Congressional Add: SPEAR ***FY 2023 Accomplishments:*** Development of polyflouroalkyl substance/perfluorooctanoic acid (PFAS/PFOA) free materials for incorporation into uniform systems.	3.854	-
Congressional Adds Subtotals	11.948	-

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems <$5M*	367.819	329.837	358.257	-	358.257	36.196	383.939	383.260	395.363	Continuing	Continuing

Remarks

D. Acquisition Strategy

SPEAR: SPEAR Individual equipment leverages the advancement of commercially available solutions to the greatest extent possible and applies SOF-unique modifications as required. Contracts in support of SPEAR are a combination of Firm Fixed Price (FFP) five-year Indefinite Delivery Indefinite Quantity (IDIQ) with single vendor awards, small business set asides, and prime vendor style multiple awards. SPEAR utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Fielding to support capability fielding of new ballistic and environmental protective combat uniforms; load carriage systems; communications headsets; and visual augmentation system mounts providing increased survivability directly aligning with the NDS.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
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PDAS: Includes evolutionary developments with an incremental plan to provide immediate solutions and evolve to a streamlined set of systems. The PDAS program will utilize Special Operations Forces Support Activity (SOFSA) for warehousing and sustainment. PDAS utilizes Middle Tier Acquisition pathways for rapid fielding to support capability fielding of new power sources, power and data management systems, and alternative power generation technologies to provide enhanced runtime and Operator focused integrated solutions.

TCCC: Operator & Medic Kits - Program managed utilizing Defense Logistics Agency Distribution and Pricing Agreements (DAPA) prime vendor contracts for equipment purchases and SOFSA for warehousing and sustainment. The CASEVAC Set program uses an IDIQ Commercial-Off-The-Shelf (COTS) prime integrator contract. The TCCC utilizes the MTA pathway for Rapid Prototyping/Rapid Fielding of FDA approved medical items that support extraction, mobility, transportation, and sustainment of casualties in forward areas for increased survivability. The current acquisition approach utilizes the MTA Rapid Fielding pathway to support capability set procurements and fielding.

MM-ECM: The USSOCOM collaborates with the Department of Defense ECM managers and other government agencies in order to maintain Joint Force compatibility and improve program affordability. All next generation ECM development is designed to support SOF missions in integrated deterrence, while maintaining cost effective CVEO capabilities. The ECM are employed across multiple missions including force protection, support to CUxS, Explosive Ordnance Detection, and Render Safe Electronics. Centralized life cycle sustainment of SOF ECM inventory supports Theater Special Operations Command operational demand as Theater Provided Equipment (TPE), Component home station training, and rapid deployment requirements. The SOF ECM collaborates with the Joint Services, Academia, and other government agencies to maintain interoperability and cost effectiveness. The SOF ECM will continue to leverage the SOF-to-Service transition of proven capabilities. The MM-ECM program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapidly field production quantities of modernization kits for existing mounted and dismounted systems. In addition, the MTA pathway is used to rapidly develop prototypes demonstrating next generation ECM capabilities to counter Radio Frequency (RF) controlled devices and cellular threats for increased survivability against expanding spectrums and threats.

CUxS: The USSOCOM works in concert with its Systems Integration Partner (SIP) to develop and integrate various sensors in mounted, dismounted and expeditionary fixed-site configurations that enhance SOF's ability to detect, identify, classify, locate, track, deter, defeat, and exploit uncrewed systems threats. SOF CUxS requires maximum autonomy, low signature, and reduced size, weight, and power demands to enable SOF missions. The USSOCOM collaborates with the Joint CUxS Office (JCO), Academia, and other government agencies for solutions and to maintain interoperability and cost effectiveness to the fullest extent. The USSOCOM will continue to leverage the SOF-to-Service transition of proven capabilities where possible. The CUxS program has been designated a Major Capability Acquisition (MCA) at Milestone C, in accordance with the authority in DoD Directive 5135.02, the guidance in DoD Instruction 5000.85. The purpose of the MCA is to acquire CUxS capability to support global operations in diverse environments with varying threat levels.

PSM: Signature reducing technologies will be embedded, where possible, into SOF clothing and/or equipment via modified commercial-off-the-shelf variants. Contracts in support of fielding/sustainment of any material solution will be a combination of sole source FFP five year IDIQ contracts, Source America mandatory sole sources, small business set asides and prime vendor style multiple award contracts. The PSM program will utilize SOFSA for warehousing and sustainment. The PSM utilizes the MTA pathway for Rapid Prototyping/Rapid Fielding to support capability fielding of signature reducing materials and technology in order to reduce the probability of detection by battlefield threat sensors for increased lethality and survivability directly aligning with the NDS.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOF Personal Equipment Advanced Requirements (SPEAR) - Protective Combat Uniform (PCU)	Various	PM-P&I : Natick, MA	1.444	0.411	May 2023	0.450	May 2024	0.266	Jun 2025	-		0.266	Continuing	Continuing	-
SPEAR - Hearing Protection and Communications Headsets	Various	PM-P&I : Natick, MA	1.976	0.310	Feb 2023	0.400	Feb 2024	0.270	Feb 2025	-		0.270	Continuing	Continuing	-
SPEAR Modular Glove System (MGS)	Various	PM-P&I : Natick, MA	0.115	0.030	May 2023	0.050	May 2024	0.075	May 2025	-		0.075	Continuing	Continuing	-
SPEAR - Load Carriage System (LCS) and Backpacks	Various	PM-P&I : Natick, MA	0.297	0.100	May 2023	0.050	May 2024	0.145	May 2025	-		0.145	Continuing	Continuing	-
SPEAR - Polyflouroalkyl substance/ perfluorooctanoic acid (PFAS/PFOA) - Congressional Add	C/Various	PM-P&I : Natick, MA	-	3.554	May 2023	-		-		-		-	0.000	3.554	-
Power and Data Accessory Suite (PDAS) Product Development	Various	PM-P&I : Natick, MA	0.686	0.700	Mar 2023	0.900	Jun 2024	0.775	Mar 2025	-		0.775	Continuing	Continuing	-
Multi-Mission Electronic Countermeasures (MM-ECM) - Next Generation System Development	C/Various	Various : Various	2.327	5.549	Sep 2023	7.269	Jul 2024	5.371	Jul 2025	-		5.371	0.000	20.516	-
MM-ECM Advanced Techniques/Loadset/ Mission Kit Development	C/Various	Various : Various	15.737	1.250	Mar 2023	1.250	Mar 2024	1.250	Mar 2025	-		1.250	Continuing	Continuing	-
Counter Unmanned System (CUxS) Sensor/ Effector Evaluation & Development Overseas Operations Costs (OOC)	C/Various	Various : Various	4.506	1.335	Jun 2023	4.250	Dec 2023	6.016	Dec 2024	-		6.016	Continuing	Continuing	-
CUxS System Integration / Platform Integration OOC	C/FFP	Anduril Industries : Costa Mesa, CA	1.734	1.250	Jun 2023	6.250	Jun 2024	8.711	Jun 2025	-		8.711	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CUxS Sensor/Effector Evaluation & Development Congressional Add	C/FFP	Andruil Industries : Costa Mesa, CA	2.285	6.094	May 2023	-		-		-		-	0.000	8.379	-
CUxS System Integration / Platform Integration Congressional Add	C/FFP	Anduril Industries : Costa Mesa, CA	6.069	2.000	Jul 2023	-		-		-		-	0.000	8.069	-
Personal Signature Management (PSM) Development (Inc II and III)	Various	Various : Various	3.076	0.611	Apr 2023	1.150	Nov 2024	0.864	Nov 2025	-		0.864	Continuing	Continuing	-
Prior Years	Various	Various : Various	20.617	-		-		-		-		-	0.000	20.617	-
Prior Years - Overseas Contingency Operations (OCO)	Various	Various : Various	10.820	-		-		-		-		-	0.000	10.820	-
Prior Years Congressional Add	C/Various	Various : Various	1.500	-		-		-		-		-	0.000	1.500	-
		Subtotal	73.189	23.194		22.019		23.743		-		23.743	Continuing	Continuing	N/A

Remarks

Note: For the CUxS Emerging Threat /Advanced Technology Development Systems Integration Partner effort there are two product development cost category items that provide separate obligation events planned in FY 2024, the 1st QTR award (December-2023) for detection system advancements/software techniques and the 3rd QTR award (June-2024) for operationally prioritized sensor/effector development/upgrades and corresponding integration efforts.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SPEAR - PCU Pre-Planned Product Improvement Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	0.604	0.075	Apr 2023	0.100	Feb 2024	0.070	Feb 2025	-		0.070	Continuing	Continuing	-
SPEAR - PCU Pre-Planned Product	Various	PM-P&I : Natick, MA	0.201	0.025	Apr 2023	0.050	Feb 2024	0.095	Feb 2025	-		0.095	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Improvement Operational Test and Evaluation															
SPEAR - MGS Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	-	-		-		0.040	Feb 2025	-		0.040	Continuing	Continuing	-
SPEAR - MGS Operational Test and Evaluation	Various	PM-P&I : Natick, MA	0.199	0.045	Feb 2023	0.020	Feb 2024	0.020	Feb 2025	-		0.020	Continuing	Continuing	-
SPEAR - Hearing Protection and Communication Headset Developmental Test & Evaluation	Various	PM-P&I : Natick, MA	-	-		-		0.100	Feb 2025	-		0.100	Continuing	Continuing	-
SPEAR - Hearing Protection and Communication Headset Operational Test & Evaluation	Various	PM-P&I : Natick, MA	2.260	0.162	Mar 2023	0.115	Feb 2024	0.075	Feb 2025	-		0.075	Continuing	Continuing	-
SPEAR - LCS/Body Armor Vest/Backpack Material Developmental Test & Evaluation	Various	PM-P&I : Natick, MA	-	-		-		0.050	Feb 2025	-		0.050	Continuing	Continuing	-
SPEAR - LCS/Body Armor Vest/Backpack Material and Prototype Operational Test and Evaluation	Various	PM-P&I : Natick, MA	0.355	0.095	Feb 2023	0.075	Feb 2024	0.050	Feb 2025	-		0.050	Continuing	Continuing	-
SPEAR - PFAS/PFOA Developmental Test and Evaluation Congressional Add	C/Various	PM-P&I : Natick, MA	-	0.200	May 2023	-		-		-		-	0.000	0.200	-
SPEAR - PFAS/PFOA Operational Test and Evaluation Congressional Add	C/Various	PN-P&I : Natick, MA	-	0.100	May 2023	-		-		-		-	0.000	0.100	-
PDAS Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	0.889	0.845	Apr 2023	0.752	Aug 2024	0.750	Apr 2025	-		0.750	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PDAS Operational Test and Evaluation	Various	PM-P&I : Natick, MA	0.100	0.100	Apr 2023	0.100	Apr 2024	0.100	Apr 2025	-		0.100	Continuing	Continuing	-
Tactical Combat Casualty Care (TCCC) CASEVAC Sets Operational Test & Evaluation	Various	PM-P&I : Natick, MA	2.450	0.197	Feb 2023	0.215	Feb 2024	0.218	Mar 2025	-		0.218	Continuing	Continuing	-
TCCC Brain Health Developmental Test & Evaluation	C/Various	PM-P&I : Natick, MA	0.421	0.470	Feb 2023	0.501	Feb 2024	0.499	Mar 2025	-		0.499	Continuing	Continuing	-
MM-ECM Advanced Techniques/Loadset/ Mission Kit Developmental Test and Evaluation	C/Various	Various : Various	4.735	0.524	Mar 2023	0.182	Mar 2024	0.185	Mar 2025	-		0.185	Continuing	Continuing	-
MM-ECM Advanced Techniques/Loadset/ Mission Kit Operational Test and Evaluation	C/Various	Various : Various	-	0.050	Mar 2023	0.075	Mar 2024	0.765	Mar 2025	-		0.765	Continuing	Continuing	-
MM-ECM Next Gen Developmental Test and Evaluation	C/Various	Various : Various	-	-		-		0.575	Jul 2025	-		0.575	Continuing	Continuing	-
MM-ECM Next Gen Operational Test and Evaluation	C/Various	Various : Various	-	-		-		0.250	Jul 2025	-		0.250	Continuing	Continuing	-
CUxS Developmental Test and Evaluation	C/Various	Various : Various	1.770	-		-		1.842	Nov 2024	-		1.842	0.000	3.612	-
CUxS Developmental Test and Evaluation OOC	C/Various	Various : Various	-	0.750	Nov 2022	1.240	Nov 2023	-		-		-	Continuing	Continuing	-
CUxS Operational Test and Evaluation	MIPR	White Sands Missile Range, White Sands Test Center (WSMR/ WSTC) : WSMR, NM	1.236	-		-		1.180	Nov 2024	-		1.180	0.000	2.416	-
CUxS Operational Test and Evaluation OOC	MIPR	White Sands Missile Range, White Sands	-	0.617	Nov 2022	1.157	Nov 2023	-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Test Center (WSMR/ WSTC) : WSMR, NM													
PSM Developmental Test and Evaluation	Various	Various : Various	3.489	1.071	Jan 2023	0.682	Jan 2024	1.000	Jan 2025	-		1.000	Continuing	Continuing	-
Prior Years	Various	Various : Various	1.091	-		-		-		-		-	0.000	1.091	-
Prior Years (OCO)	Various	Various : Various	4.178	-		-		-		-		-	0.000	4.178	-
		Subtotal	23.978	5.326		5.264		7.864		-		7.864	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	97.167	28.520		27.283		31.607		-		31.607	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
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Special Operations Forces Personal Equipment Advanced Requirements (SPEAR) Schedule

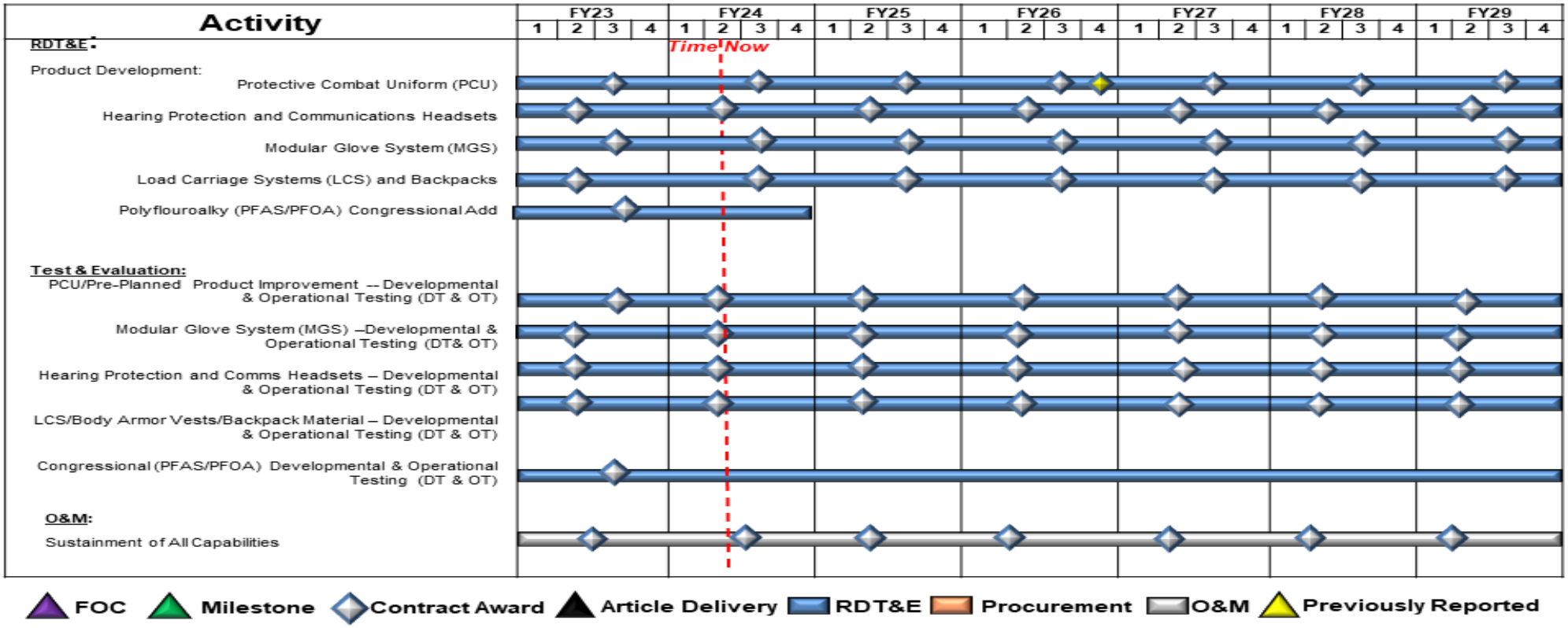

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

Power and Data Accessory Suite (PDAS) Schedule

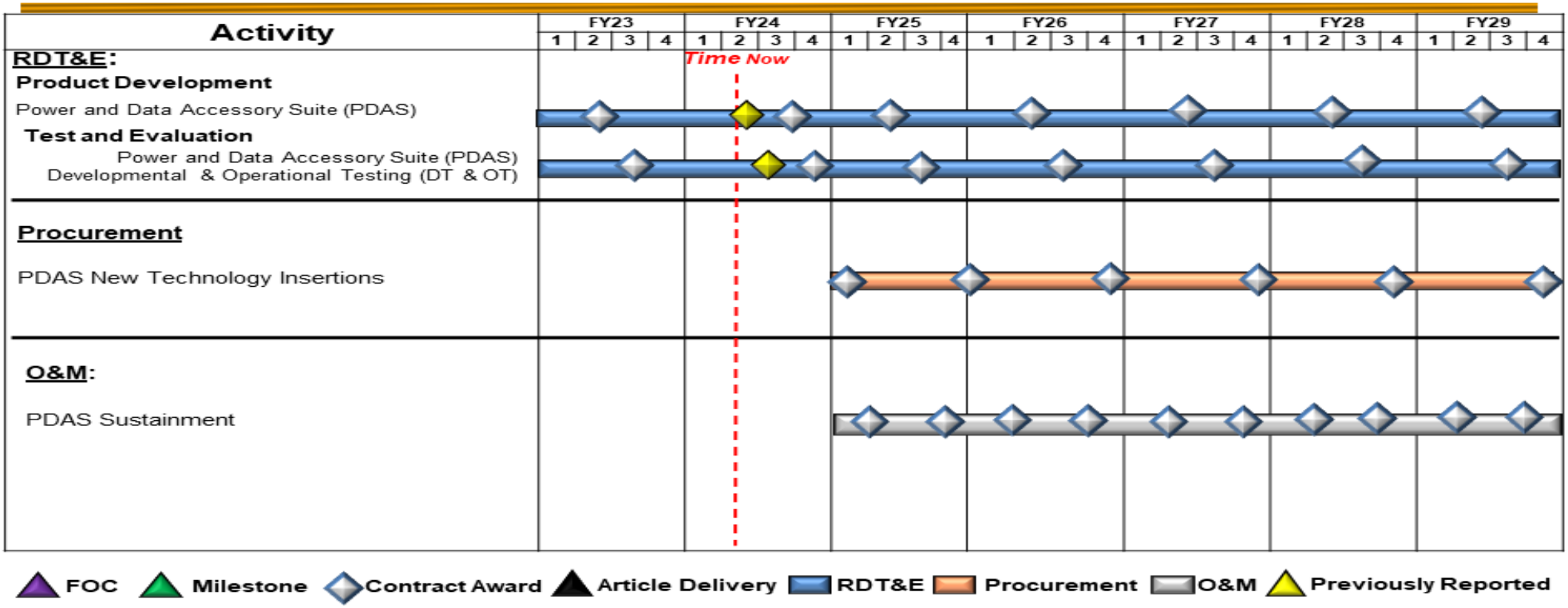

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

Tactical Combat Casualty Care (TCCC) Schedule

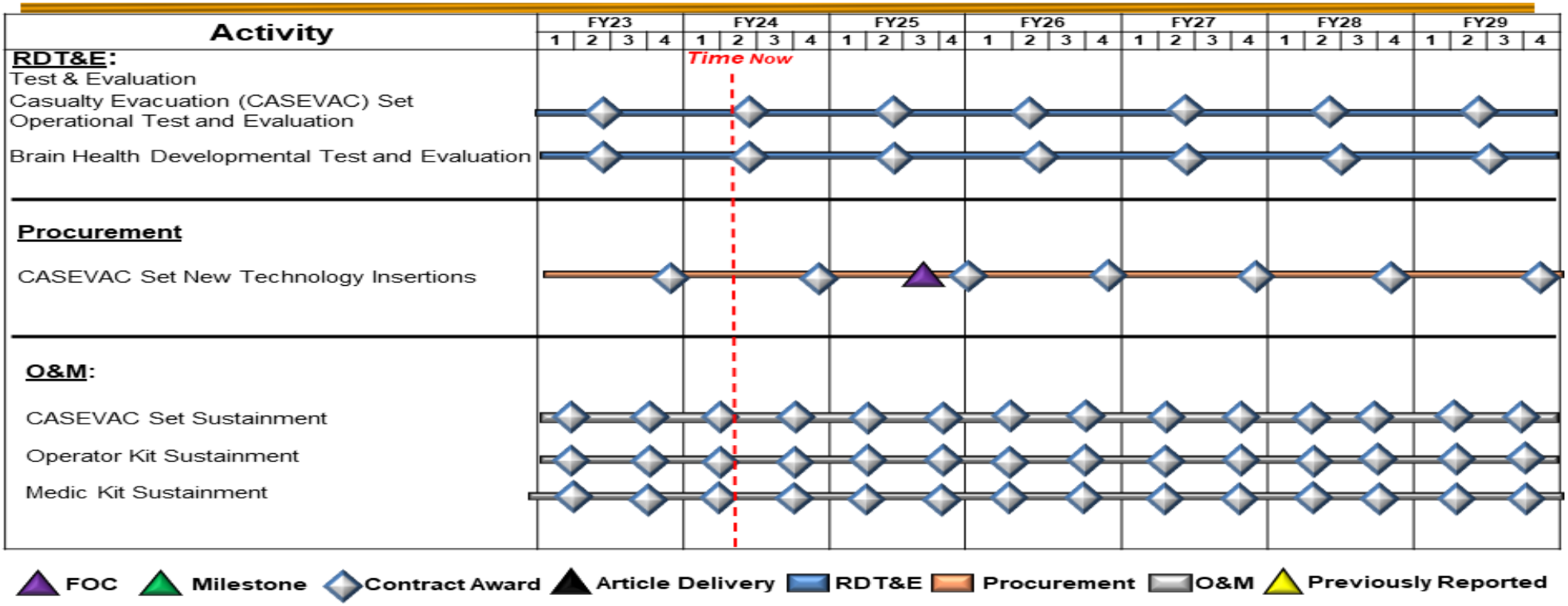

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
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Multi-Mission Electronic Countermeasures (MM-ECM) Schedule

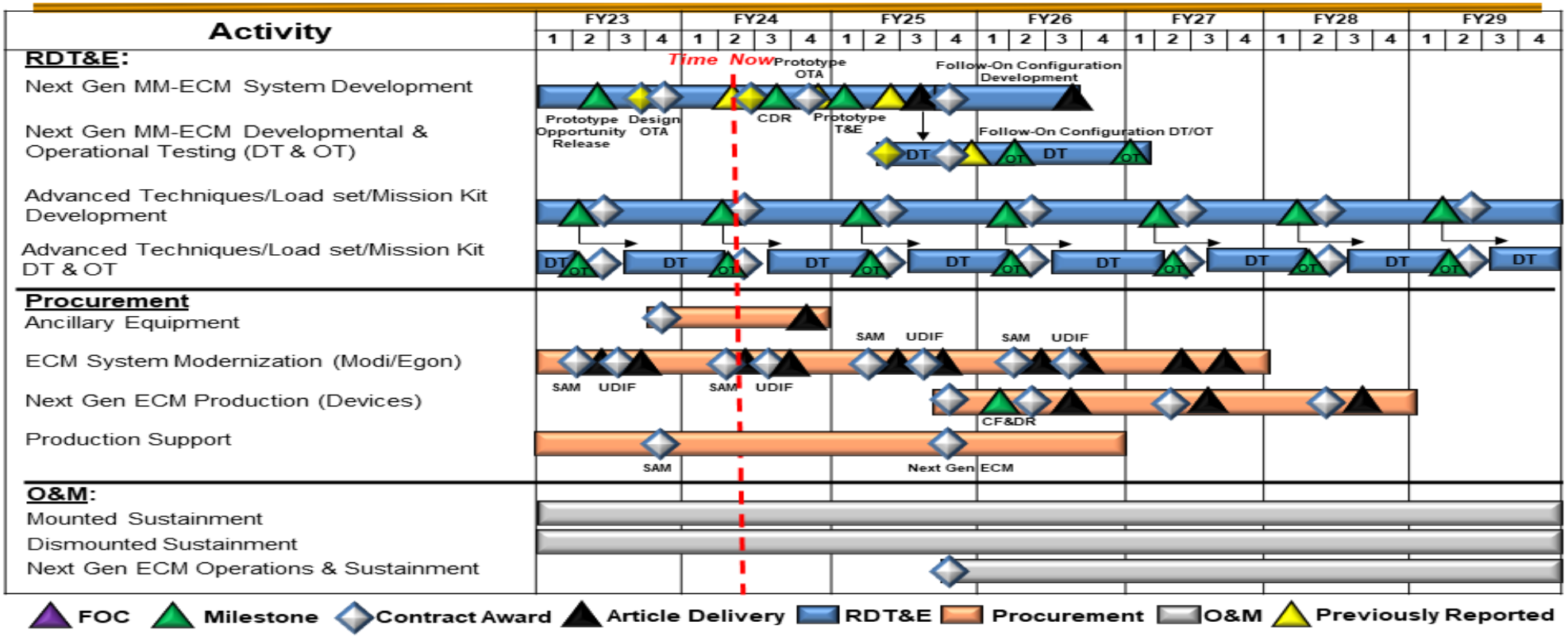

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
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Counter Unmanned Systems Schedule (CUxS)

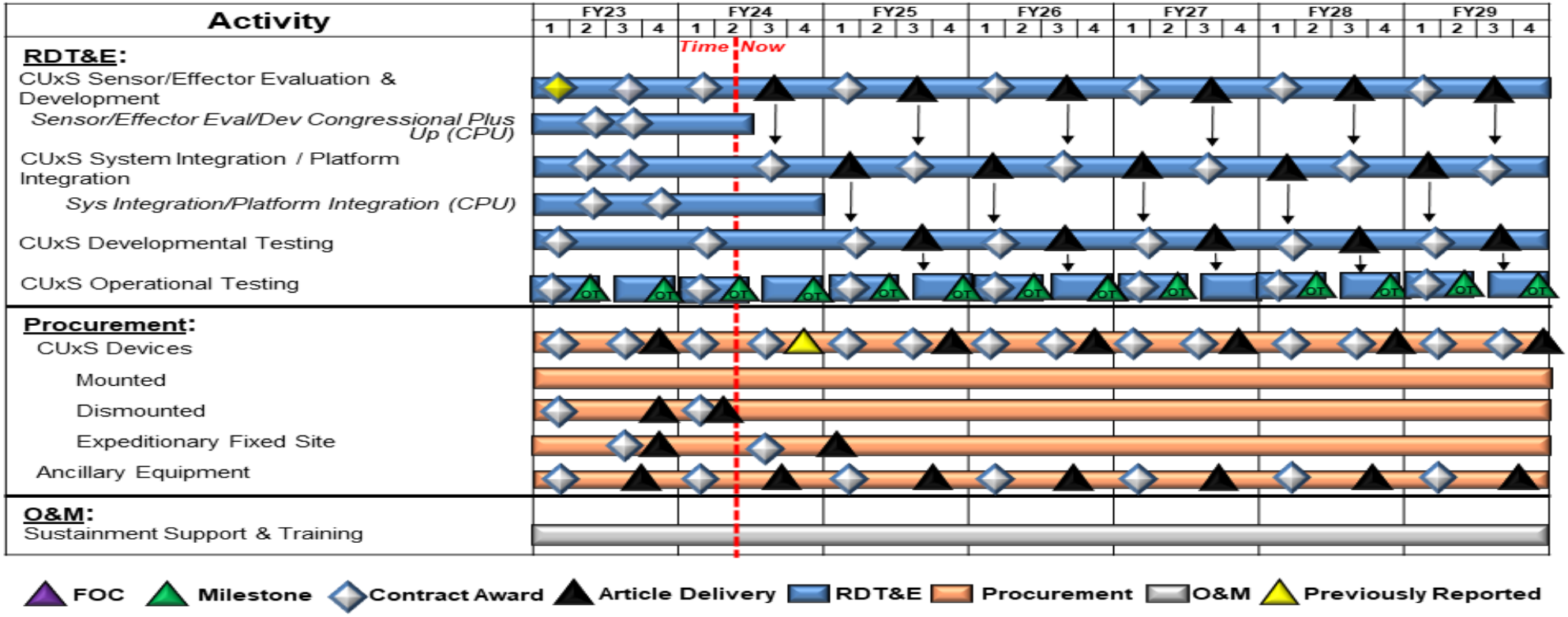


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

Personal Signature Management (PSM) Schedule

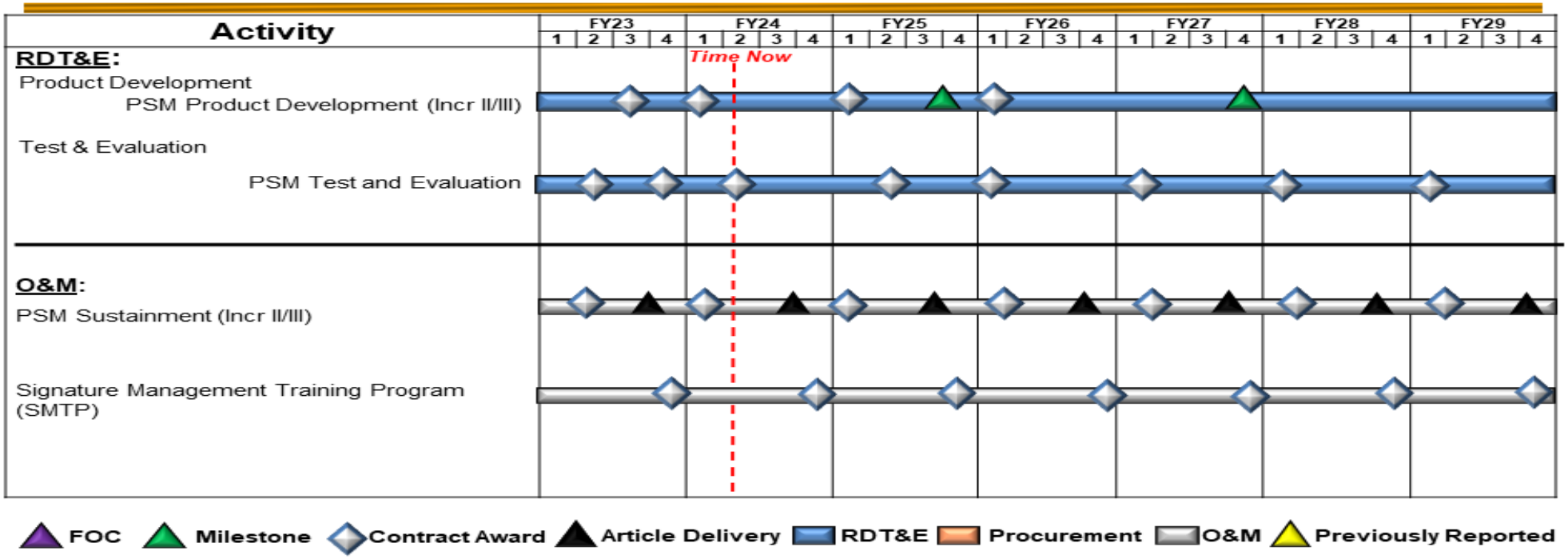


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Soldier Protection and Survival Systems (SPEAR)				
Protective Combat Uniform (PCU) Product Development	1	2023	4	2029
Hearing Protection & Communications Headsets Product Development	1	2023	4	2029
Modular Glove System (MGS) Product Development	1	2023	4	2029
Load Carriage System (LCS) and Backpacks Product Development	1	2023	4	2029
Polyflouroalkyl substance/ perfluorooctanoic acid (PFAS/PFOA) Product Development Congressional Add	1	2023	4	2024
PCU Developmental and Operational Test & Evaluation	1	2023	4	2029
MGS Developmental and Operational Test & Evaluation	1	2023	4	2029
Hearing Protection & Communications Headsets Operational Test & Evaluation	1	2023	4	2029
LCS/Backpack/Body Armor Vest Operational Test & Evaluation	1	2023	4	2029
PFAS/PFOA Developmental and Operational Test & Evaluation Congressional Add	1	2023	4	2029
Power and Data Accessory Suite (PDAS)				
Power and Data Management Product Development	1	2023	4	2029
Power and Data Management Developmental and Operational Test & Evaluation	1	2023	4	2029
Tactical Combat Casualty Care (TCCC)				
Casualty Evacuation (CASEVAC) Sets Operational Test & Evaluation	1	2023	4	2029
Brain Health Developmental Test and Evaluation	1	2023	4	2029
Multi-Mission Electronic Countermeasures (MM-ECM)				
Next Generation MM-ECM System Development - Product Development	1	2023	3	2026
Next Generation MM-ECM Developmental and Operational Test & Evaluation	2	2025	1	2027
Advanced Techniques/Loadsets/Mission Kit Development - Product Development	1	2023	4	2029

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385 / *Soldier Protection and Survival Systems*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Advanced Techniques/Loadset/Mission Kit Developmental and Operational Test & Evaluation	1	2023	4	2029
Counter Unmanned System (CUxS)				
Sensor/Effector Evaluation & Development	1	2023	4	2029
Sensor/Effector Evaluation Product Development Congressional Plus Up	1	2023	2	2024
System Integration / Platform Integration	1	2023	4	2029
System Integration/Platform Integration Product Development Congressional Plus Up	1	2023	4	2024
Developmental Test and Evaluation	1	2023	4	2029
Operational Test and Evaluation	1	2023	4	2029
Personnel Signature Management (PSM)				
Increment II / III Product Development	1	2023	4	2029
Developmental and Operational Test & Evaluation	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385A / *Body Armor and Associated Equipment*	

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
S385A: *Body Armor and Associated Equipment*	12.892	1.626	1.773	1.674	-	1.674	1.697	1.732	1.766	1.801	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides specialized equipment to meet the unique operator protection and survival requirements of SOF, to include: Army Rangers; Army Special Forces; Navy Sea, Air, Land (SEAL) teams; Navy Special Boat Units; Air Force Operators; and Marine Raiders. Specialized ballistic equipment improves survivability impacting the mobility of SOF while conducting varied missions. These missions are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: SOF Personal Equipment Advanced Requirement (SPEAR)-Body Armor, Program Number 807	1.626	1.773	1.674
Description: Special Operations Forces Personal Equipment Advanced Requirements (SPEAR) provides the SOF operator with the individual equipment required to meet USSOCOM unique missions. The SPEAR program provides for the research, development, testing and evaluation for a variety of individual survival equipment systems including body armor, helmets, eye protection and personal protective equipment to build enduring advantages through modernization, innovation, and rapid adjustments and aligns with the NDS by protecting operators defending the homeland in a multi-domain threat environment.			
FY 2024 Plans: Continue foreign ammunition testing and threat validation to assess effectiveness of currently fielded personal protective equipment. Continue development and testing of lightweight body armor and helmets (ground, maritime, rotary wing) to upgrade systems that have been fielded. Continue evaluation of transparent armor products which include variable light transmission and laser lenses to upgrade systems that have been fielded.			
FY 2025 Plans: Continues foreign ammunition testing and threat validation to assess effectiveness of currently fielded personal protective equipment. Continues development and testing of lightweight body armor and helmets (ground, maritime, rotary wing) to upgrade systems that have been fielded. Continues evaluation of transparent armor products which include variable light transmission and laser lenses to upgrade systems that have been fielded.			
FY 2024 to FY 2025 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385A / *Body Armor and Associated Equipment*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Decrease of $0.099 million is due to a reduction in test article development and testing to support capability advancements for body armor, helmet and eye protection systems.			
Accomplishments/Planned Programs Subtotals	1.626	1.773	1.674

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems <$5M*	367.819	329.837	358.257	-	358.257	363.196	383.939	383.260	395.363	Continuing	Continuing

Remarks

D. Acquisition Strategy

The SPEAR body armor and ballistic protection equipment takes advantage of modified commercial-off-the-shelf (COTS) or non-developmental items. As the USSOCOM requires tailored solutions for SOF Mission sets, SPEAR items leveraged from industry are often on the cutting edge of technology with modifications specific for SOF missions and require substantial testing in SOF environments. The USSOCOM has cradle to grave responsibility for these items and uses the SOF Support Activity at Lexington, KY for warehousing and sustainment. Contracts in support of SPEAR are a combination of Firm Fixed Price five year Indefinite Delivery Indefinite Quantity with single vendor awards, Source America mandatory sole sources, small business set asides, and prime vendor style multiple award contracts. The SPEAR ballistic protection utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Prototyping/Rapid Fielding for increased survivability to support capability set procurements and fielding.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385A / *Body Armor and Associated Equipment*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOF Personal Equipment Advanced Requirement (SPEAR) - Body Armor	Various	PM-P&I : Natick, MA	3.970	0.325	Aug 2023	0.639	Mar 2024	0.490	Jun 2025	-		0.490	Continuing	Continuing	-
SPEAR - Lightweight Ballistic Helmets	Various	PM-P&I : Natick, MA	2.854	0.605	Aug 2023	0.339	Feb 2024	0.390	Feb 2025	-		0.390	Continuing	Continuing	-
SPEAR - Eye Protection	Various	PM-P&I : Natick, MA	0.517	0.131	Jun 2023	0.187	Jun 2024	0.235	May 2025	-		0.235	Continuing	Continuing	-
		Subtotal	7.341	1.061		1.165		1.115		-		1.115	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SPEAR - Body Armor Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	2.895	0.125	Aug 2023	0.364	Mar 2024	0.275	Apr 2025	-		0.275	Continuing	Continuing	-
SPEAR - Body Armor Operational Test and Evaluation	Various	PM-P&I : Natick, MA	-	0.025	Aug 2023	-		0.030	Apr 2025	-		0.030	Continuing	Continuing	-
SPEAR - Lightweight Ballistic Helmet Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	2.264	0.350	Aug 2023	0.134	Jun 2024	0.105	Apr 2025	-		0.105	Continuing	Continuing	-
SPEAR - Lightweight Ballistic Helmet Operational Test and Evaluation	Various	PM-P&I : Natick, MA	-	-		0.030	Jun 2024	0.030	Apr 2025	-		0.030	Continuing	Continuing	-
SPEAR - Transparent Armor Developmental Test and Evaluation	Various	PM-P&I : Natick, MA	0.392	0.065	Jul 2023	0.070	Mar 2024	0.089	Apr 2025	-		0.089	Continuing	Continuing	-
SPEAR - Transparent Armor Operational Test and Evaluation	Various	PM-P&I : Natick, MA	-	-		0.010	Mar 2024	0.030	Apr 2025	-		0.030	Continuing	Continuing	-
		Subtotal	5.551	0.565		0.608		0.559		-		0.559	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S385A / *Body Armor and Associated Equipment*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	12.892	1.626		1.773		1.674		-		1.674	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385A / *Body Armor and Associated Equipment*

Special Operations Forces Personal Equipment Advanced Requirements (SPEAR) - Body Armor Schedule

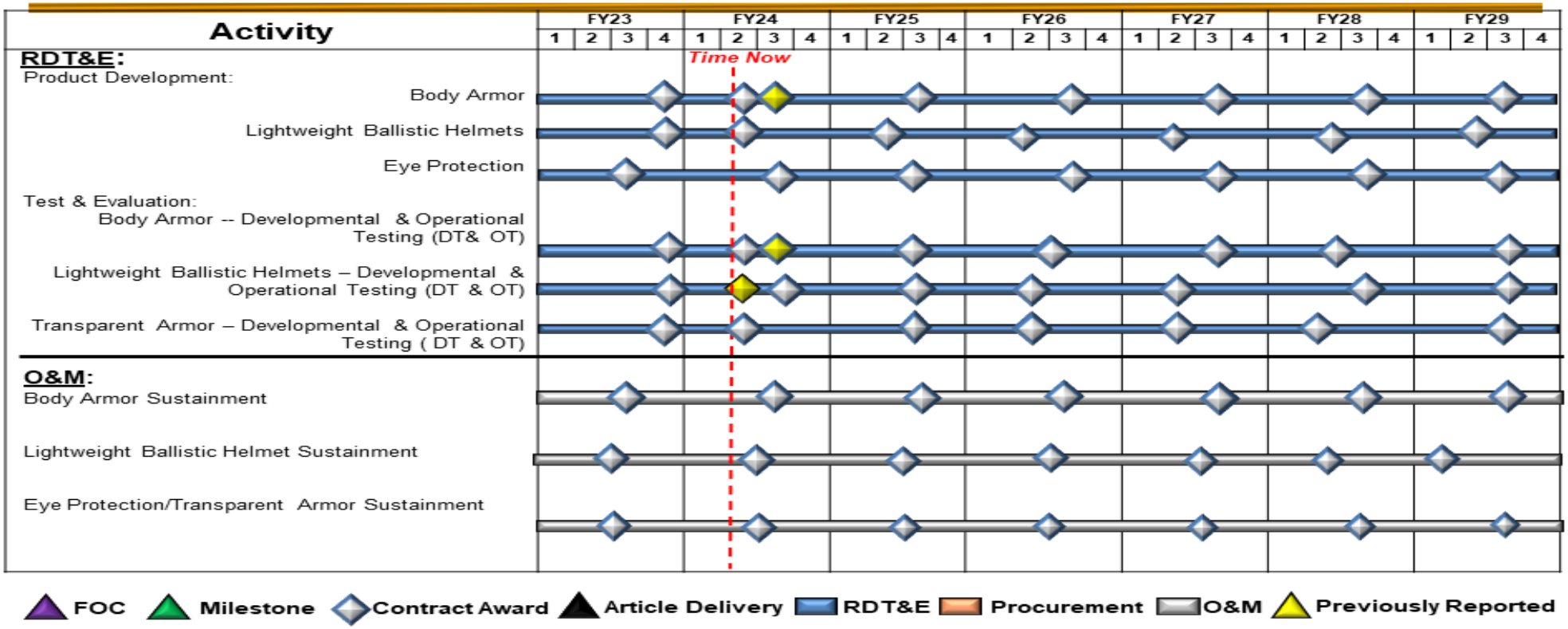


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S385A / *Body Armor and Associated Equipment*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SOF Personal Equipment Advanced Requirement (SPEAR)-Body Armor				
Body Armor Product Development	1	2023	4	2029
Lightweight Ballistic Helmets Product Development	1	2023	4	2029
Eye Protection Product Development	1	2023	4	2029
Body Armor Developmental and Operational Test & Evaluation	1	2023	4	2029
Lightweight Ballistic Helmets Developmental and Operational Test & Evaluation	1	2023	4	2029
Transparent Armor Developmental and Operational Test & Evaluation	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S395 / *Visual Augmentation, Lasers and Sensor Systems*	

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
S395: *Visual Augmentation, Lasers and Sensor Systems*	23.768	4.808	5.152	4.824	-	4.824	4.834	4.930	5.028	5.130	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the development, testing and integration of SO-peculiar visual augmentation devices to include: binocular and monocular night vision devices; laser markers and designators; geo-location and targeting systems; weapon mounted optics and aiming lasers; sensors and detection systems; weapon mounted visible lights and clandestine pointers; infrared imaging devices; and simulators and training devices that provide the individual SOF operator with superior battle space awareness and decision making information.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Visual Augmentation Systems (VAS) Optics and Lasers, Program Number 810	4.808	4.662	4.361
Description: The sensor technologies being developed include thermal imaging and intensification, shortwave infrared, multi-spectral, fusion, and other sensor types. Developmental efforts will continue to pursue reduced weight, increased range, enhanced situational awareness, greater data, and image processing/filtering. Bullet trace, wind speed/direction, and sensors that enable SOF operators to detect, identify, assess, and engage targets at greater ranges to include some efforts that are tied to Hyper Enabled Operator (HEO) applications are supported by this effort.			
FY 2024 Plans: Continue development and testing of visual augmentation systems and laser devices to improve situational awareness, sharing of data/images, target acquisition, and training. Continue System Integration/HEO development to include integrated head-mounted sensors and augmented reality displays providing enhanced threat detection. Real-time, shared imaging and sensor discovery with distributed algorithm processing for a common operating picture. Ability to significantly increase the speed and effectiveness of our operators through SOF expeditionary equipment and networks to provide the force with more lethal and decisive effects.			
FY 2025 Plans: Continues development of visual augmentation systems and laser devices to improve situational awareness, sharing of data/images, target acquisition, and training. Continues System Integration/HEO development to include integrated head-mounted sensors and augmented reality displays providing enhanced threat detection. Real-time, shared imaging and sensor discovery with distributed algorithm processing for a common operating picture. Ability to significantly increase the speed and effectiveness of our operators through SOF expeditionary equipment and networks to provide the force with more lethal and decisive effects.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Begins to lay a foundation for next generation night vision, long range optics, power and data efficiency, and communication integration that incorporates new developments in Artificial Intelligence (AI) designed to provide information accessibility to individual operators that is on-time, accurate, and facilitates maximum effectiveness of SOF operators. Combining capabilities in smaller form/factor end items that provide multi-spectral operations under all conditions to capitalize on new efforts to miniaturize components. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.301 million is due to a reduction of developmental and operational test and evaluation efforts.			
Title: VAS Simulator, Program Number 810 ***Description:*** Develop and field state-of-the-art virtual training systems that simulate real-world combat missions designed to test, evaluate and support certification of the individual SOF Terminal Attack Controllers that are critical enablers providing battlefield commanders with the ability to plan, coordinate, and execute air-to-ground, indirect and surface fire support missions. Support the development and integration of three different versions (Immersive Dome, Desktop, and Deployable) of SOF Terminal Attack Controller virtual simulators designed to provide hands-on, life-like, instructor observed, combat scenarios that train and evaluate SOF operator's proficiency at pre-mission planning, battlefield awareness, mission comprehension, target location and assessment, proper choice of fire support platform, communication efficiency, battle damage assessment, and post reporting capabilities all designed to validate the requalification of operators to perform this valuable battlefield mission while reducing the risk of fratricide. ***FY 2024 Plans:*** Continue development and testing of Immersive, Desktop and Deployable systems to ensure simulators provide approved scenarios to fully evaluate the SOF operator’s ability to evaluate a given set of conditions and correctly engage available assets to support ground forces engaged with enemy combatants. Ensure systems are compatible with other Service systems and maintain the same baseline software configuration and electromagnetic modeling and simulation packages to maintain consistent training across the force. ***FY 2025 Plans:*** Continues development of all three versions of the simulators to include upgrading existing and future software and hardware components to ensure a common baseline is achieved and maintained across all platforms and locations. Focus on improvements to simulators to maximize user interactions. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.027 million is due to reduction in VAS Simulator product development and improvements.	-	0.490	0.463
Accomplishments/Planned Programs Subtotals	4.808	5.152	4.824

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems<$5M*	367.819	329.837	363.900	-	363.900	364.557	384.424	383.245	396.089	Continuing	Continuing

Remarks

D. Acquisition Strategy

Evolutionary acquisition and leveraging emerging technologies. An evolutionary approach delivers capability in increments, recognizing up front the need for future capability improvements. Full and open competition contracts are a combination of five-year Firm Fixed Price, Indefinite Delivery Indefinite Quantity and small business set asides at several locations, primarily via Naval Surface Warfare Center, Crane Contracting Office, the USSOCOM Contracting Office, and other contracting offices. VAS utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Prototyping/Rapid Fielding to support capability set procurements and fielding for increased survivability.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Visual Augmentation Systems (VAS) Optics and Lasers	C/CPFF	USSOCOM : Tampa, FL	11.653	2.708	Jan 2023	4.062	Feb 2024	-		-		-	Continuing	Continuing	-
Next Gen Scopes VAS Digital Reflex Sight (DRS) Development	C/CPFF	USSOCOM : Tampa, FL	-	0.800	Aug 2023	-		-		-		-	0.000	0.800	-
VAS Day-And-Night Heads-Up Display (DANHUD)	C/CPFF	USSOCOM : Tampa, FL	-	1.000	May 2023	-		-		-		-	0.000	1.000	-
Emergent VAS Tactical Identify Friend or Foe	Various	USSOCOM : Tampa, FL	-	-		-		0.300	Feb 2025	-		0.300	Continuing	Continuing	-
Emergent VAS Enhanced Night Vision Binocular (ENVision-B)	Various	USSOCOM : Tampa, FL	-	-		-		2.500	Feb 2025	-		2.500	Continuing	Continuing	-
Emergent VAS Slick Sight (CQS)	Various	USSOCOM : Tampa, FL	-	-		-		0.800	May 2025	-		0.800	Continuing	Continuing	-
Emergent VAS Optics and Lasers Tactical Augmented Reality - Laser Early Warning Device	Various	USSOCOM : Tampa, FL	-	-		-		0.381	Jun 2025	-		0.381	Continuing	Continuing	-
Emergent VAS Modular Battery Pack	Various	USSOCOM : Tampa, FL	-	-		-		0.380	Jun 2025	-		0.380	Continuing	Continuing	-
VAS Simulator	C/CPFF	USSOCOM : Tampa, FL	2.453	-		0.490	May 2024	0.463	May 2025	-		0.463	Continuing	Continuing	-
Prior Year	C/CPFF	USSOCOM : Tampa, FL	5.400	-		-		-		-		-	0.000	5.400	-
Prior Year Overseas Contingency Operations (OCO)	C/CPFF	USSOCOM : Tampa, FL	2.667	-		-		-		-		-	0.000	2.667	-
		Subtotal	22.173	4.508		4.552		4.824		-		4.824	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Test and Evaluation ($ in Millions)

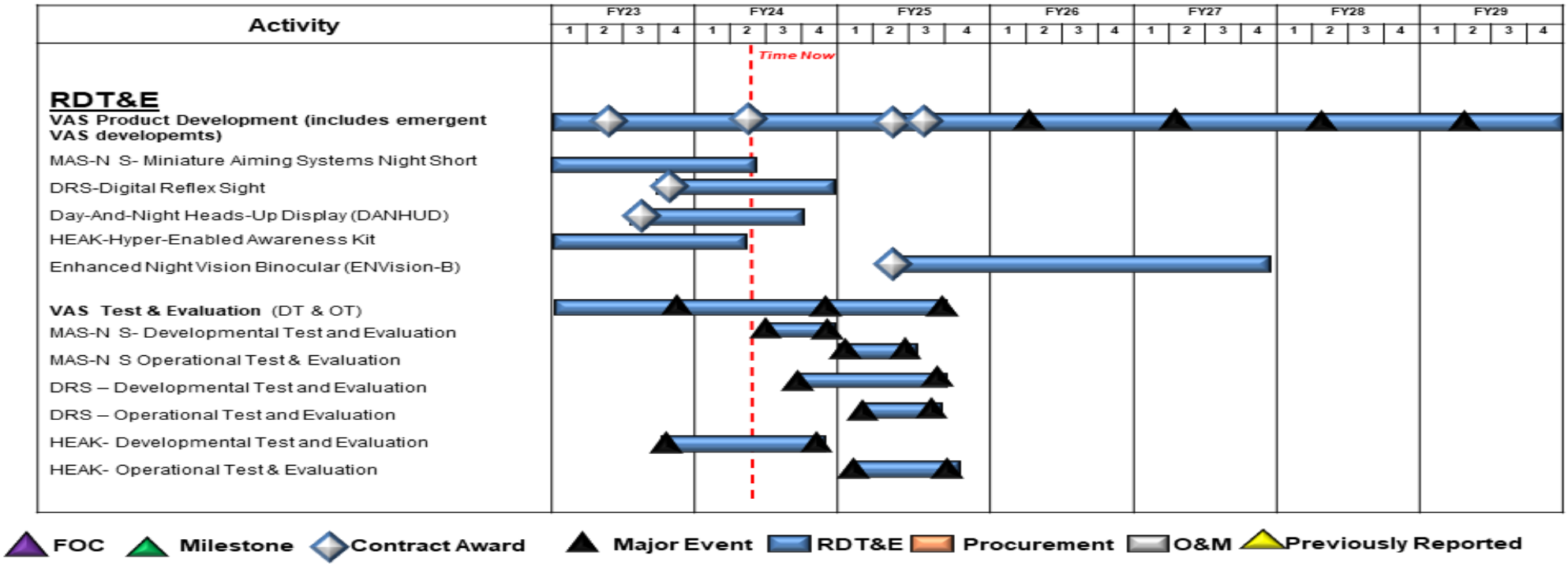
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
VAS Optics and Lasers Developmental Test and Evaluation	C/CPFF	USSOCOM : Tampa FL	0.400	0.100	Aug 2023	0.160	Aug 2024	-		-		-	Continuing	Continuing	-
VAS Optics and Lasers Operational Test and Evaluation	C/CPFF	USSOCOM : Tampa, FL	0.600	0.100	Aug 2023	0.140	Aug 2024	-		-		-	Continuing	Continuing	-
Next Gen Scopes VAS MAS-N Squad Short Developmental Test and Evaluation	C/CPFF	USSOCOM : Tampa, FL	-	-		0.100	Apr 2024	-		-		-	Continuing	Continuing	-
Next Gen Scopes VAS MAS-N Squad Short Operational Test and Evaluation	C/CPFF	USSOCOM : Taampa, FL	-	-		0.100	Nov 2024	-		-		-	Continuing	Continuing	-
Next Gen Laser VAS HEAK Development Test and Evaluation	C/CPFF	USSOCOM : Tampa, FL	-	0.100	May 2023	-		-		-		-	0.000	0.100	-
Next Gen Laser VAS HEAK Operational Test and Evaluation	C/CPFF	USSOCOM : Tampa, FL	-	-		0.100	Nov 2024	-		-		-	Continuing	Continuing	-
Prior Year	C/CPFF	USSOCOM : Tampa, FL	0.595	-		-		-		-		-	0.000	0.595	-
		Subtotal	1.595	0.300		0.600		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	23.768	4.808		5.152		4.824		-		4.824	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Visual Augmentation Systems (VAS) Optic Schedule



Note: RDT&E ▲ Represents prior year effort reports. Technology incorporated into future buys or informs future development efforts.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Visual Augmentation Systems (VAS) Optic Schedule

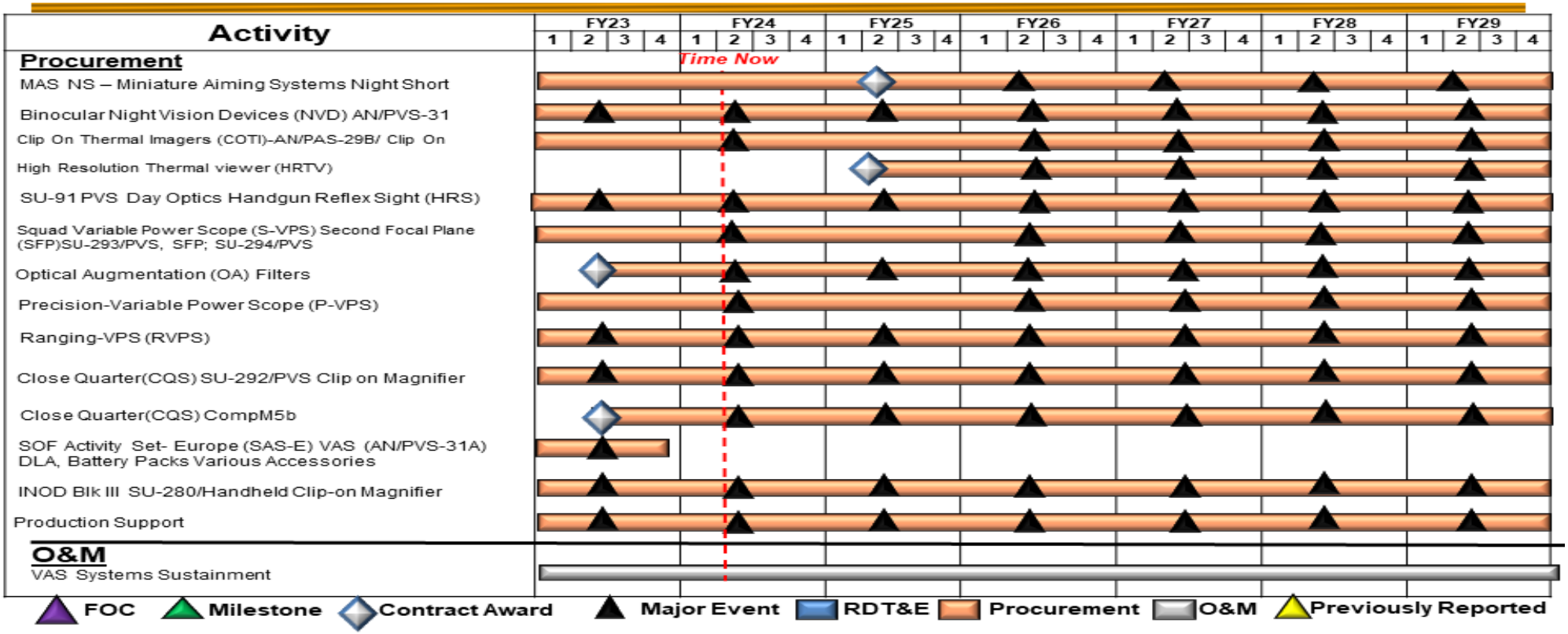


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Visual Augmentation Systems (VAS) Laser Schedule

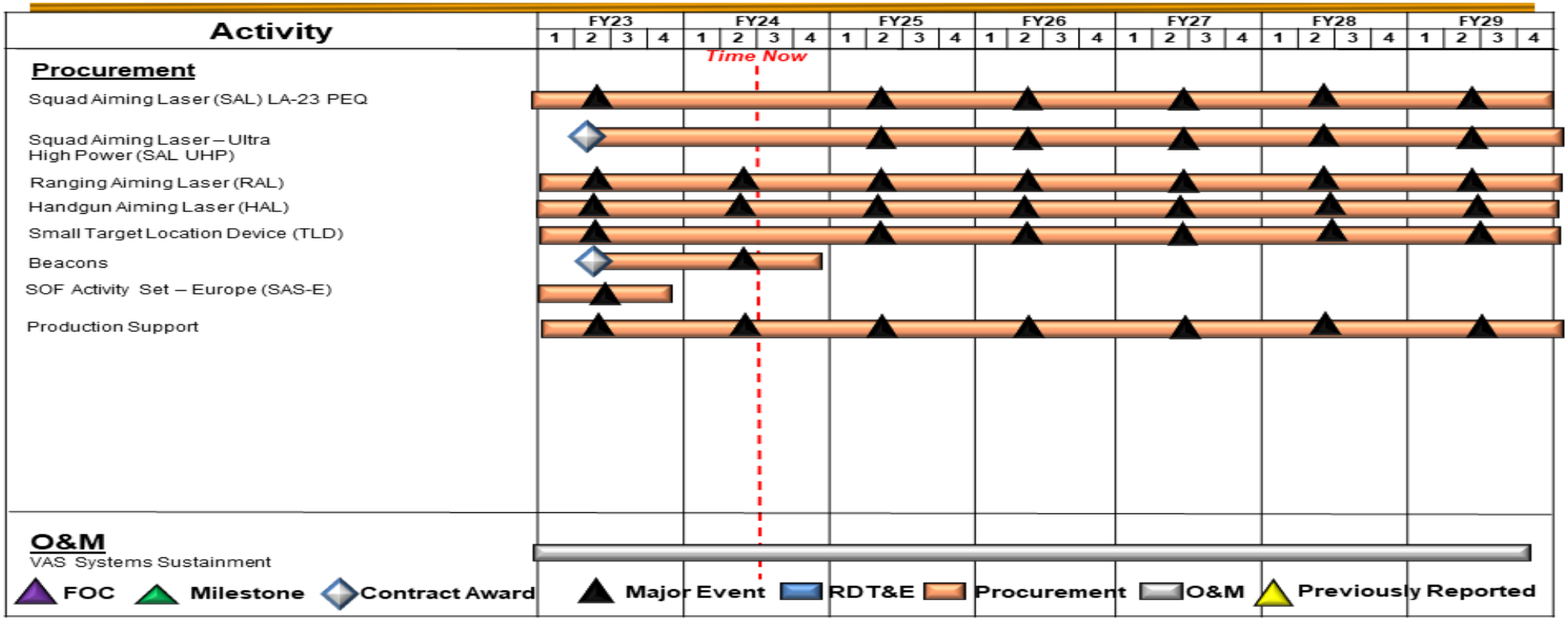


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Visual Augmentation Systems (VAS) Simulator Schedule

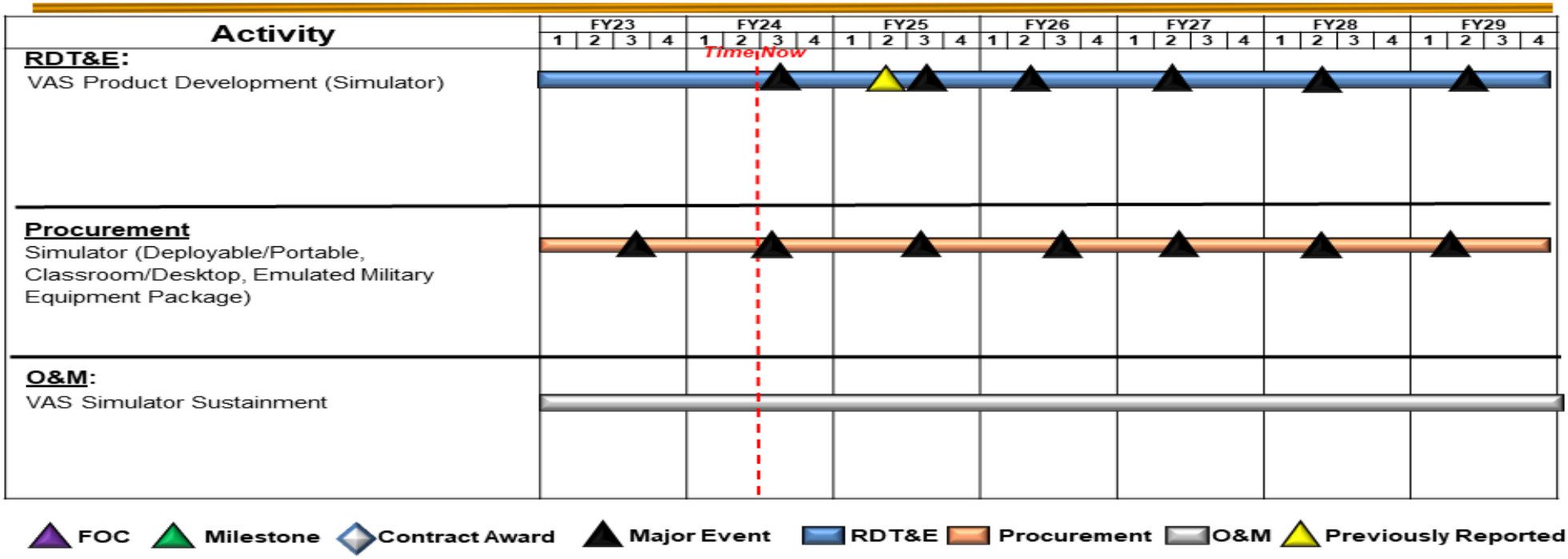


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S395 / *Visual Augmentation, Lasers and Sensor Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Visual Augmentation Systems (VAS)				
Optics-Product Development	1	2023	4	2029
Optics-Developmental and Operational Test & Evaluation	1	2023	4	2024
Optics-Developmental and Operational Test & Evaluation Continued	1	2026	4	2029
Simulator-Product Development	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S700 / *Communications Equipment and Electronics Systems*	

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
S700: *Communications Equipment and Electronics Systems*	107.257	45.840	92.602	87.257	-	87.257	79.895	92.131	88.011	89.780	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for communication systems to meet emergent requirements to support SOF. Communications Equipment and Electronics Systems is a continuing effort to develop smaller, lighter, more efficient and more robust SOF command, control, communications, and computer (C4) capabilities.

The USSOCOM C4 systems comprise an integrated network of systems providing positive command and control and the timely exchange of information to all organizational echelons. The C4 systems that support this new architecture employ the latest standards and technology by transitioning from separate systems to full integration within the Global Information Grid (GIG). The GIG is a multitude of existing and projected national assets that allows SOF elements to operate with any force combination in multiple environments.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Satellite Deployable Node (SDN), Program Number 757	3.686	3.878	4.698
Description: The SDN is a family of deployable, super high frequency, multi-band, satellite communications (SATCOM) systems providing deployed SOF users with the transport path for access to the SOF Information Environment (SIE) for high-capacity, voice, data, video teleconferencing (VTC), and full motion video (FMV) at all levels of classification. It consists of SDN Light, Medium, and Heavy subprograms, transport for intelligence variants, wide-band communications-on-the-move (COTM), technology insertions and Capital Equipment Replacement (CERP). The SDN program's capabilities enable communications across multiple domains and theaters, supporting the major goals of the 2022 National Defense Strategy.			
FY 2024 Plans: Continue assessments, tests, and evaluations for wide-band COTM maritime, ground mobile, and airborne technologies. Continue assessments in SWAP reduction across all SDN systems. Continue evaluation of High Throughput Satellite (HTS) constellations and terminals. Continue evaluation of resilience of systems in a degraded communications environment.			
FY 2025 Plans: Continues assessments, tests, and evaluations for wide-band COTM maritime, ground mobile, and airborne technologies. Continues assessments in SWAP reduction across all SDN systems. Continues evaluation of HTS constellations and terminals. Continues evaluation of resilience of systems in a degraded communications environment.			
FY 2024 to FY 2025 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Increase of $0.820 million supports HTS test airtime and protected communications test articles.			
Title: Mission Command System/Common Operational Picture (MCS/COP), Program Number 841	30.257	43.335	24.734
Description: MCS/COP is a system of systems that provides shared situational awareness for SOF Commanders across all domains at the tactical, operational, and strategic levels. The MCS/COP ecosystem delivers a near-real time understanding of the operational environment to support decision making. The MCS/COP ecosystem is central to the USSOCOM's approach to operating in Combined Joint All Domain Command and Control (CJADC2) environments and directly supports the USSOCOM's focus on integrated deterrence campaigning, irregular warfare, crisis, and conflict. ***FY 2024 Plans:*** Continue investment in prototyping and tech insertion of emerging technologies to enable integration of existing disparate software capabilities into a loosely coupled backend architecture enabling shared situational awareness across SOF and the Joint Force. This includes a heavy investment in artificial intelligence, advanced analytics, and an open and extensible data layer/fabric. Continue exercise and limited objective test event support based on dynamic and emergent operational requirements with a focus on the INDOPACOM and EUCOM AORs. ***FY 2025 Plans:*** Continues investment in data layer/fabric with focus on integrating disparate SOF data sets with advanced analytics and artificial intelligence to reduce operator cognitive burden in support of more effective commander decision making. Continues prototyping and tech insertion of emerging technologies, integration of existing and development of new software capabilities into open backend architecture for Command data centricity. Continues exercise and limited objective test event support based on emergent operational requirements and strategic 2022 National Defense Strategy themes. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $18.601 million is due to a reduction in program baseline capabilities being developed/deployed to the SOF enterprise on UNCLASSIFIED, SECRET and TOP SECRET networks. With new deployments slowing, the program is moving to a steady state of development supporting SOF unique activities and CJADC2 initiatives.			
Title: Classified Program(s) ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:***	11.897	45.389	57.825

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $12.437 million provided under separate cover.			
Accomplishments/Planned Programs Subtotals	45.840	92.602	87.257

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems<$5M*	367.819	329.837	358.257	-	358.257	363.196	383.939	383.260	395.363	Continuing	Continuing
• PROC/0204OTHER: *OTHER ITEMS <$5M*	101.173	108.816	79.015	-	79.015	80.968	95.025	96.990	92.743	Continuing	Continuing

Remarks

D. Acquisition Strategy

The SDN is a fielded program with Evolutionary Technology Insertions (ETI) into all variants: Heavy, Medium, and Light, and wide-band COTM. Commercial and government agency sources will be leveraged for required certifications, functional and operational tests, and acceptance support. The SDN program has been re-designated a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. The current acquisition approach leverages proven technology to accelerate capability delivery and modernization in the form of evolutionary technology insertions. Using commercially proven technology speeds integration, required certifications, functional tests, and acceptance support.

The MCS/COP program employs the software acquisition pathway to facilitate rapid and iterative delivery of operational software capabilities to meet dynamic SO-peculiar missions to achieve the USSOCOM's vision of obtaining strategic, asymmetric advantages for the nation in integrated deterrence campaigning, irregular warfare, crisis, and conflict. The MCS/COP implements a modular open systems approach that leverages commercial and government sources, including Science and Technology and Small Business Innovative Research programs within and outside of the USSOCOM, to quickly prototype, integrate, test, and deploy emerging technologies for decision support in all domains. The MCS/COP leverages a Government/Commercial Off-the-Shelf first strategy that maximizes use of open-source software and capitalize on investments from services and other government agencies to deliver capability across all levels of war (tactical, operational, strategic) that is integrated with the Joint Force to enable effective SOF operations in a Joint All Domain Command and Control (JADC2) environment.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SDN Communications-On-The-Move Product Development	Various	Various : Various	24.985	0.821	Nov 2022	0.750	Feb 2024	0.762	Dec 2024	-		0.762	Continuing	Continuing	-
SDN Reduction in Size, Weight, and Power (SWAP) Product Development	Various	Various : Various	-	0.552	Mar 2023	0.268	Feb 2024	0.262	Feb 2025	-		0.262	Continuing	Continuing	-
SDN Next Generation High Throughput Satellite (HTS) Product Development	Various	Various : Various	0.450	0.795	Mar 2023	1.200	Feb 2024	1.965	Dec 2024	-		1.965	Continuing	Continuing	-
SDN System Resiliency / Interference Mitigation in a Degraded Communications Environment Product Development	Various	Various : Various	0.050	0.012	Feb 2023	0.150	Feb 2024	0.143	Feb 2025	-		0.143	Continuing	Continuing	-
Mission Command System Common Operational Picture (MCS/COP) Prototyping & Tech Insertion: Emerging Technology Acceleration	C/Various	Various : Various	5.622	7.817	Mar 2023	12.000	Feb 2024	9.734	Feb 2025	-		9.734	Continuing	Continuing	-
MCS/COP Modular Open Systems Approach	C/Various	Various : Various	-	8.039	Mar 2023	11.435	Mar 2024	8.000	Mar 2025	-		8.000	Continuing	Continuing	-
MCS/COP Artificial Intelligence & Analytics	C/Various	Various : Various	-	6.000	Jun 2023	8.500	Jun 2024	4.000	Jun 2025	-		4.000	Continuing	Continuing	-
MCS/COP Data Layer/ Fabric	C/Various	Various : Various	-	6.000	Mar 2023	9.000	Jan 2024	3.000	Jan 2025	-		3.000	Continuing	Continuing	-
Classified Programs	C/Various	Various : Various	46.536	11.448		43.699		55.925		-		55.925	Continuing	Continuing	-
Prior Year Funding	C/Various	Various : Various	1.787	-		-		-		-		-	0.000	1.787	-
		Subtotal	79.430	41.484		87.002		83.791		-		83.791	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SDN Communications-On-The-Move Developmental Testing	Various	Various : Various	20.722	0.380	Dec 2022	0.380	Jan 2024	0.392	Dec 2024	-		0.392	Continuing	Continuing	-
SDN Reduction in Size, Weight, and Power (SWAP) Developmental Testing	Various	Various : Various	0.240	0.200	Dec 2022	0.241	Jan 2024	0.251	Feb 2025	-		0.251	Continuing	Continuing	-
SDN Next Generation High Throughput Satellite (HTS) Developmental Testing	Various	Various : Various	0.358	0.380	Dec 2022	0.344	Jan 2024	0.360	Dec 2024	-		0.360	Continuing	Continuing	-
SDN System Resiliency / Interference Mitigation in a Degraded Communications Environment Developmental Testing	Various	Various : Various	0.575	0.546	Feb 2023	0.545	Jan 2024	0.563	Jan 2025	-		0.563	Continuing	Continuing	-
MCS/COP Exercise & Limited Objective Operational Test Events	C/Various	Various : Various	3.222	2.401	Mar 2023	2.400	Mar 2024	-		-		-	Continuing	Continuing	-
Classified Programs	MIPR	Various : Various	2.710	0.449		1.690		1.900		-		1.900	Continuing	Continuing	-
		Subtotal	27.827	4.356		5.600		3.466		-		3.466	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	107.257	45.840		92.602		87.257		-		87.257	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

Satellite Deployable Node (SDN) Schedule

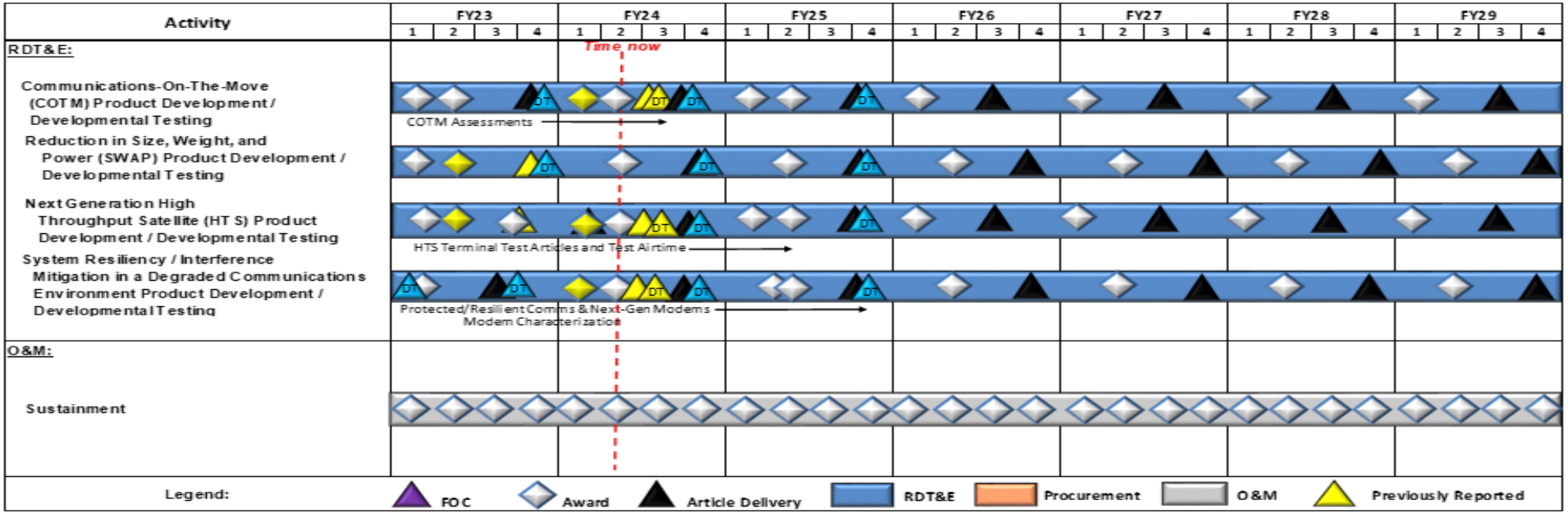


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

SDN Schedule (cont.)

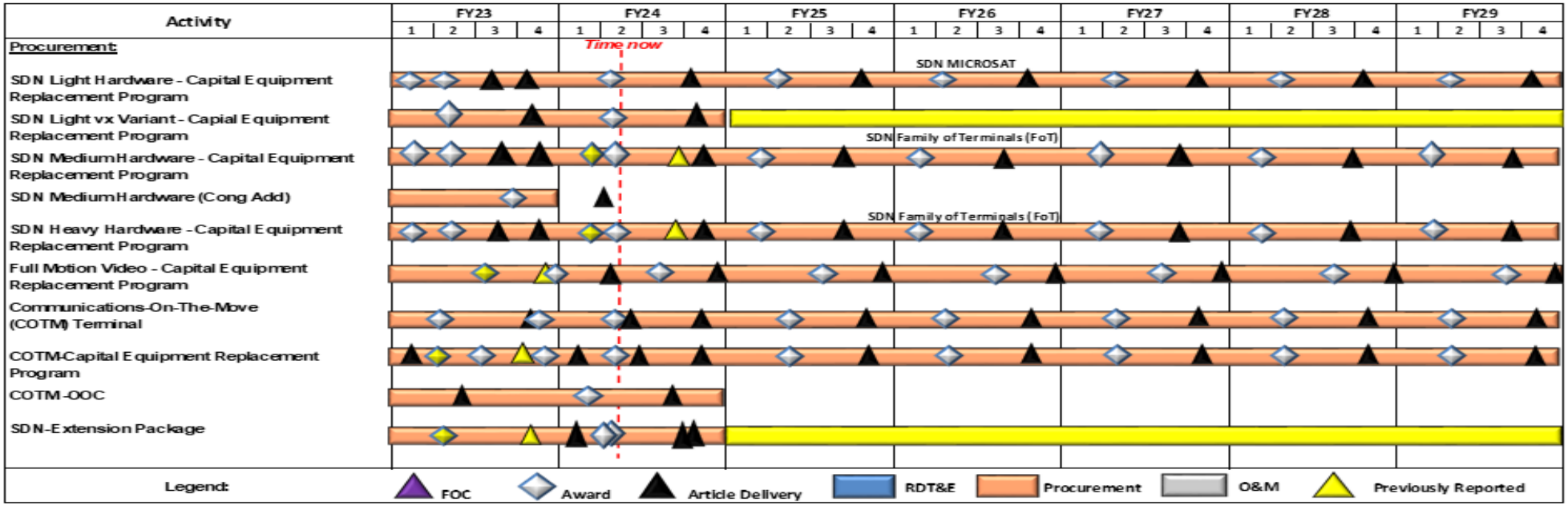


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

Mission Command System (MCS) / Common Operational Picture (COP) Schedule

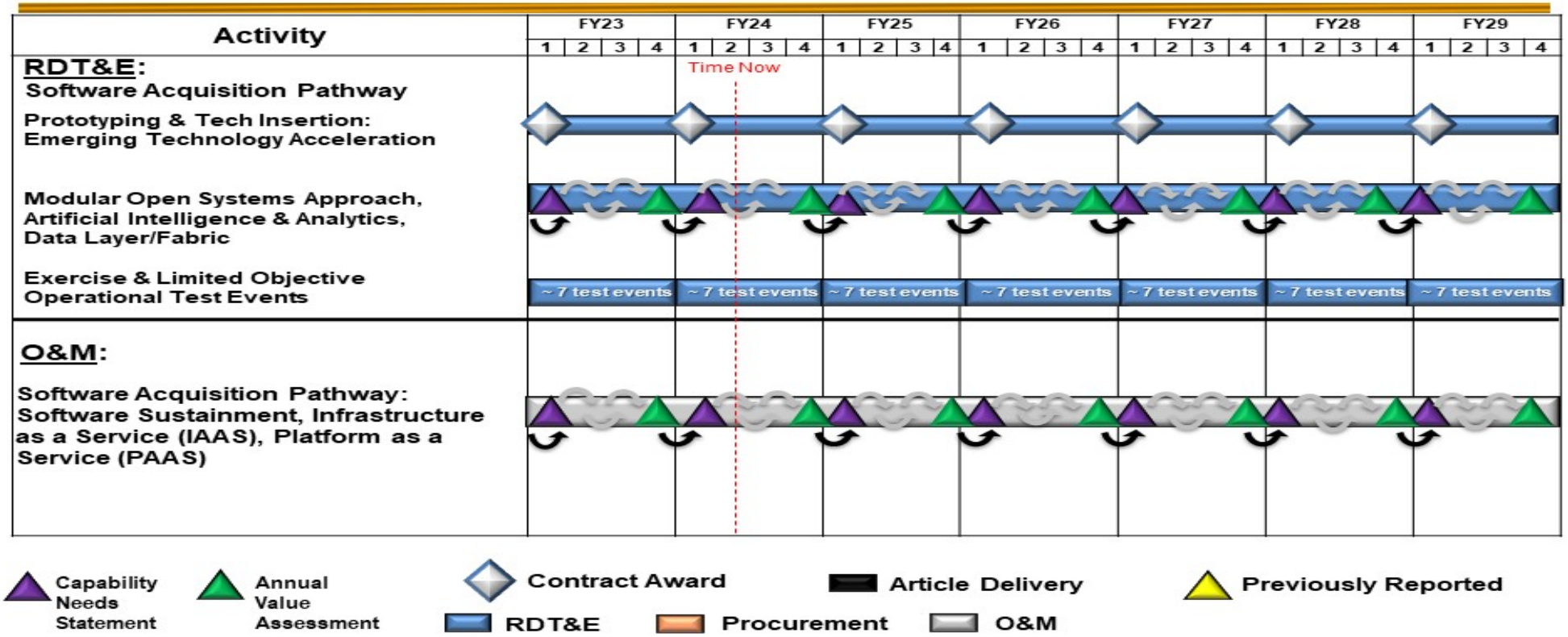


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S700 / *Communications Equipment and Electronics Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Satellite Deployable Node (SDN)				
Communication-on-the-Move (COTM) Product Development & Developmental Testing	1	2023	4	2029
Reduction in Size, Weight, and Power (SWaP) Product Development & Developmental Testing	1	2023	4	2029
Next Generation High Throughput (HTS) Satellite Product Development & Developmental Testing	1	2023	4	2029
System Resiliency / Interference Mitigation in Degraded Communications Environment Evaluation Product Development & Developmental Testing	1	2023	4	2029
Mission Command System/Common Operational (MCS/COP)				
Prototyping & Tech Insertion: Emerging Technology Acceleration	1	2023	4	2029
Exercise & Limited Objective Operational Test Events	1	2023	4	2029
Software Acquisition Pathway: Modular Open Systems Approach, Artificial Intelligence & Analytics, Data Layer/Fabric	1	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command											Date: March 2024	
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*				Project (Number/Name) S710 / *Tactical Systems Development*			
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**
S710: *Tactical Systems Development*	26.604	21.872	58.821	52.497	-	52.497	47.628	49.784	53.891	54.969	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for development, testing, and integration of specialized automation equipment to meet the unique requirements of Special Operations Forces (SOF). Specialized automation equipment will permit small, highly trained forces to conduct required operations across the entire spectrum of conflict. These operations are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy. SOF must infiltrate by land, sea, and air to conduct unconventional warfare, direct action, or deep reconnaissance operations in denied areas against insurgent units, terrorists, or highly sophisticated threat forces. The requirement to operate in denied areas controlled by a sophisticated threat mandates that SOF systems remain technologically superior to threat forces to ensure mission success. The project also supports SOF mission planning and execution capabilities as well as initiatives to assure the interoperability and commonality of these capabilities across diverse air, ground and maritime systems.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Tactical Local Area Network (TACLAN), Program Number 745	2.390	3.599	3.530
Description: The TACLAN supports the three major goals of the 2022 National Defense Strategy by providing enterprise data center like computational platform that connects multiple warfighting domains, theaters, and spectrum of conflict while transporting critical information through the Satellite Deployable Node program. The data collected at these vast locations help synchronize and inform broader Department efforts while improving our ability to share information with our Allies. Further development of TACLAN provides advanced computational platforms that are capable of performing Artificial Intelligence and Machine learning locally without the need of transporting massive amounts of data and congesting global networks. ***FY 2024 Plans:*** Continue integration and testing of TACLAN Field Computing Device (FCD) Evolutionary Technology Insertions (ETIs). Continue the development of Graphical Processing Unit (GPU) computing capabilities for integration and assessment of the TACLAN Suites. ***FY 2025 Plans:*** Continues integration and testing of TACLAN FCD ETIs. Continues the development of GPU computing capabilities for integration and assessment of TACLAN suites. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $.069 million is due to a reduction in test system quantity.			
Title: Special Operations Mission Planning and Execution (SOMPE), Program Number 838	-	24.603	20.498

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S710 / *Tactical Systems Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Description: The SOMPE program develops, integrates, tests, and validates software enhancements required to meet SO-peculiar requirements for, and correct deficiencies to, mission planning, preview, and execution software tools to support all phases of SOF operations from deliberate to time-critical. SOMPE automates time-sensitive planning activities and provides enhanced situational awareness during mission execution. SOMPE provides the interoperable environment for SOF adaptive planning to integrate global operations including, but not limited to, precision strike software, digital navigation, and Unmanned Aerial Systems (UAS) command and control. This program also provides the integration of SOMPE with multi-dimensional visualization systems, providing immersive mission rehearsal in minimal timeframes from the SOMPE mission plan. SOMPE is embedded in the United States Special Operations Command (USSOCOM) Headquarters, Theater Special Operations Commands (TSOC), Joint Special Operations Task Forces, Joint Special Operations Aviation Components, SOF warfighters, and SOF warfighter platforms directly supporting the 2022 National Defense Strategy's focus on integrated deterrence, crisis, and conflict. ***FY 2024 Plans:*** The program is in the execution phase of the software acquisition pathway and will continue product development of mission planning and execution software solutions from commercial and government sources to design, develop, operationally test, and deliver software quickly and iteratively based on dynamic and emergent operational requirements. ***FY 2025 Plans:*** Continues investment in agile software development and user centered design events to facilitate regular delivery throughout the Fiscal Year (FY) of new software capabilities for user evaluation and feedback and operational deployment. Continues exercise and limited objective test event support based on dynamic and emergent operational requirements. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $4.105 million is due to a single year increase in FY 2024 for Unmanned Systems Autonomy development combined with efficiencies in scale resulting from multiple waterfall application development to a singular agile software product for mission planning.			
Title: Classified Program(s) ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:*** Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:***	-	30.619	28.469

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S710 / *Tactical Systems Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Details for decrease of $2.150 million provided under separate cover.			
Accomplishments/Planned Programs Subtotals	2.390	58.821	52.497

	FY 2023	FY 2024
Congressional Add: Identity Management ***FY 2023 Accomplishments:*** Details provided under separate cover.	9.635	-
Congressional Add: Next Generation Intelligence, Surveillance, and Reconnaissance SOF Enhancement ***FY 2023 Accomplishments:*** Details provided under separate cover.	9.847	-
Congressional Adds Subtotals	19.482	-

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204OTHER: *OTHER ITEMS <$5M*	101.173	108.816	79.015	-	79.015	80.968	95.025	96.990	92.743	Continuing	Continuing

Remarks

D. Acquisition Strategy

TACLAN - The TACLAN program has been designated a Major Capability Acquisition Program (ACAT III) at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85 along with the Acquisition Executive Memorandum for PEO TIS, dated 08 December 2023. Evolutionary Technology Insertion (ETI) updates will be used to sustain and rapidly field production quantities of systems with proven technologies to provide tactical SOF elements from the individual operator to a larger Joint Special Operations Task Force (JSOTF) / Special Operations Joint Task Force (SOJTF) Headquarters (HQ), support for a wide range of tactical edge computing functions that support Command and Control (C2), Situational Awareness (SA), intelligence analysis and reporting, office automation, decision-making, mission analysis, planning, rehearsal, and execution support. Commercial and government sources are leveraged for required certifications, system level integration, functional, and operational testing and evaluations.

SOMPE - The SOMPE program employs the software acquisition pathway, to facilitate rapid and iterative product development and delivery of software solutions using modern software development practices such as agile software development, Development, Security and Operations (DevSecOps), and lean practices. SOMPE implements a modular open systems approach that leverages commercial and government sources, including Science and Technology and Small Business Innovative Research programs within and outside of the USSOCOM, to quickly prototype, integrate, test, and deploy emerging technologies for decision support in all domains. This development strategy enables the program to design, develop, operationally test, and deliver software quickly based on dynamic and emergent SO-peculiar operational requirements to achieve the USSOCOM's vision of obtaining strategic, asymmetric advantages for the nation in integrated deterrence, crisis, and conflict.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S710 / *Tactical Systems Development*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Tactical Local Area Network (TACLAN) Graphical Processing Unit (GPU)	Reqn	Various : Various	-	-		1.349	Mar 2024	1.530	Mar 2025	-		1.530	Continuing	Continuing	-
TACLAN Field Computing Device (FCD) Evolutionary Technology Insertions (ETIs)	Various	Various : Variuos	8.381	2.390	Apr 2023	2.000	Mar 2024	2.000	Apr 2025	-		2.000	Continuing	Continuing	-
TACLAN Network Management Suite ETIs	Various	Various : Various	5.269	-		-		-		-		-	5.497	10.766	-
Special Operations Mission Planning and Execution (SOMPE) Software Development and Tech Insertion	Various	Various : Various	-	-		15.603	Mar 2024	12.299	Mar 2025	-		12.299	Continuing	Continuing	-
SOMPE Special Operations Forces Tactical Assault Kit (SOF TAK) Convergence	Various	Various : Variuos	-	-		6.500	Jan 2024	6.149	Feb 2025	-		6.149	Continuing	Continuing	-
Classified Program	C/FFP	Various : Various	3.146	19.250		30.619		28.469		-		28.469	Continuing	Continuing	-
Classified Program Congressional Add	C/FFP	Various : Various	7.708	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	24.504	21.640		56.071		50.447		-		50.447	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TACLAN FCD ETIs (Operational Test & Evaluation))	Reqn	Various : Various	-	-		0.250	Apr 2024	-		-		-	Continuing	Continuing	-
Network Management Suite ETIs (Operational Test & Evaluation)	Reqn	Various : Various	-	0.232	Apr 2023	-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S710 / *Tactical Systems Development*	

Test and Evaluation ($ in Millions)

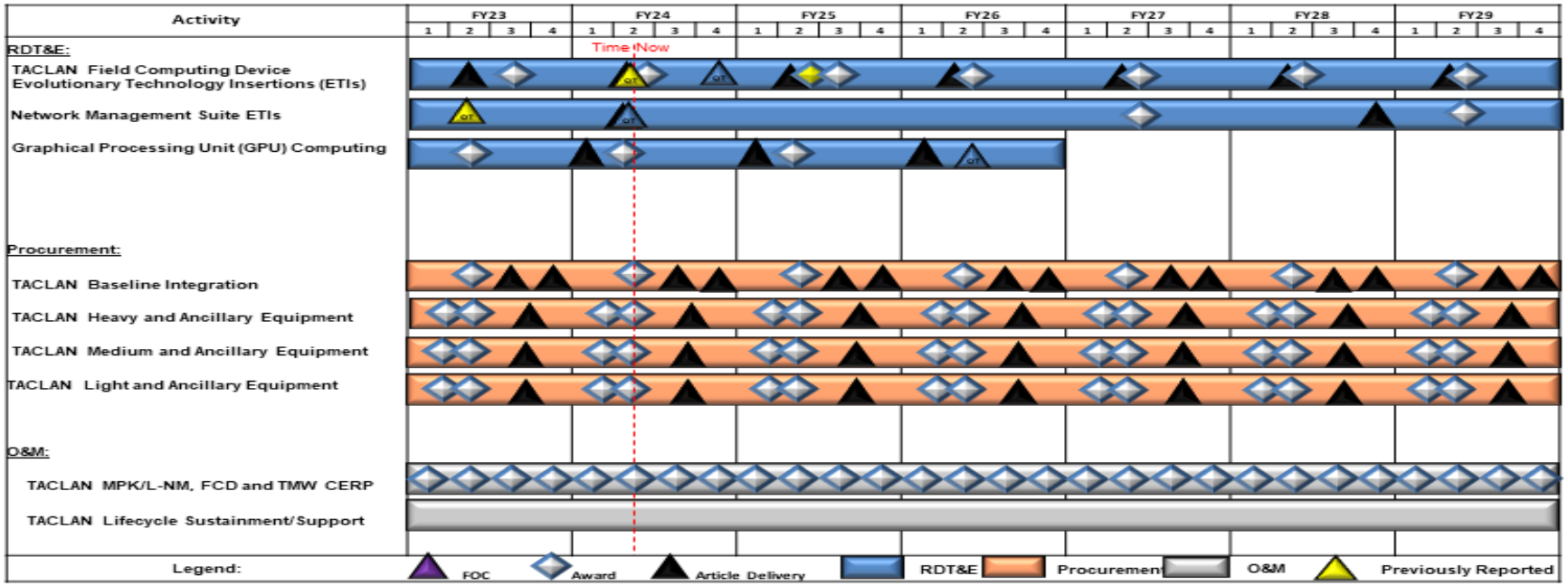
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOMPE Exercise & Limited Objective Developmental Test Events	MIPR	Various : Various	-	-		1.650	Nov 2023	1.400	Mar 2025	-		1.400	Continuing	Continuing	-
SOMPE Exercise & Limited Objective Operational Test Events	MIPR	Various : Variious	-	-		0.850	Nov 2023	0.650	Nov 2024	-		0.650	Continuing	Continuing	-
Prior Year	C/Various	Various : Various	2.100	-		-		-		-		-	0.000	2.100	-
		Subtotal	2.100	0.232		2.750		2.050		-		2.050	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	26.604	21.872		58.821		52.497		-		52.497	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S710 / *Tactical Systems Development*

Tactical Local Area Network (TACLN) Schedule



MPK/L-NM - Mission Planning Kit/Light Non- Mod
FCD – Field Computing Device
TMW – Tactical Mobile Workstation
CERP – Captial Equipment Replacement Program

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S710 / *Tactical Systems Development*

Special Operations Mission Planning and Execution (SOMPE) Schedule

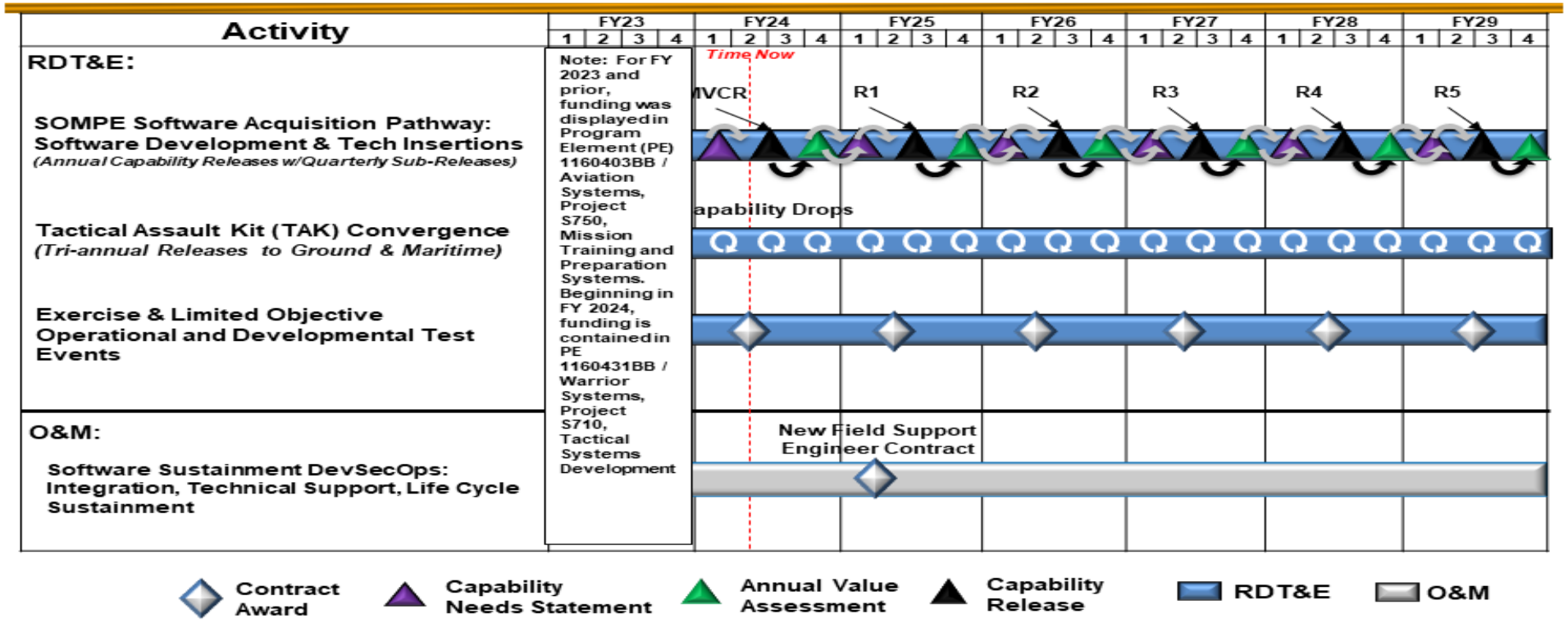


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S710 / *Tactical Systems Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Tactical Local Area Network (TACLAN) Suites				
TACLAN Field Computing Device (FCD) Evolutionary Technology Insertions (ETIs)	1	2023	4	2029
Network Management Suite ETIs	1	2023	4	2029
Graphical Processing Unit Computing	1	2023	4	2026
Special Operations Mission Planning and Execution (SOMPE)				
Software Acquisition Pathway: Software Development and Tech Insertions	1	2023	4	2029
Tactical Assault Kit (TAK) Convergence	1	2023	4	2029
Exercise & Limited Objective Developmental and Operational Test Events	1	2023	4	2029

Note

TACLAN adjusted FY 2023 funding priority to achieve additional capability for FCD-W devices and critical system redesign. Awarded 0.210 in Apr 2023 and 2.180 in Aug 2023.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S725 / *Tactical Radio Systems*	

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
S725: *Tactical Radio Systems*	62.809	10.555	17.789	37.643	-	37.643	33.688	21.785	20.333	19.826	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is for the development of all Special Operations Forces (SOF) tactical radio programs. Tactical Radios provide the critical command, control, and communications (C3) link between SOF Commanders and SOF Teams conducting operational missions and training exercises. They also provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies, and allied foreign forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed command and control (C2) communications between operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Next Generation Tactical Communications (NGTC), Program Number 798	8.412	14.318	27.069

Description: The NGTC, formerly known as SOF Tactical Communications (STC), program consists of Next-Generation SOF Communication Systems which replace most of the currently fielded SOF tactical radios. Capabilities include real time, hostile and friendly force information; Line of Sight (LOS) and beyond LOS (BLOS) communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks.

FY 2024 Plans:

Continue Engineering Change Proposals (ECPs) for the Next Generation Handheld (NGHH) and Next Generation Manpack (NGMP), to include development of Mobile User Objective System (MUOS) to transition from legacy Ultra High Frequency (UHF) tactical satellite waveforms. The Android Tactical Assault Kit (ATAK)/ Team Awareness Kit is to provide software functionality for ATAK and Windows Tactical Assault Kit (WinTAK) via Next Generation Radio Plugins to interface with the Army Navy/ Portable Communications (AN/PRC-163 / AN/PRC-167) radios. Continue High Frequency (HF) platform modernization of two complementary systems into an overarching, predominantly government-owned, high frequency capability that provides Low Probability of Intercept/ Detection (LPI/D) capabilities. Continue contested communications/waveform development focusing on anti-jam capabilities.

FY 2025 Plans:

Continues ECPs for the NGHH and NGMP, to include development of MUOS to transition from legacy UHF tactical satellite waveforms. The ATAK is to provide software functionality for ATAK and WinTAK via Next Generation Radio Plugins to interface with the AN/PRC-163 / AN/PRC-167 radios. Continues HF platform modernization of two complementary systems into an overarching, predominately government-owned, high frequency capability that provides LPI/D capabilities. Commences Resilient Waveform development. Development of United States Army Special Operations Command High Throughput Data Device, and

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
United States Naval Special Warfare Command Unmanned Systems/Autonomous & Remotely Controlled System (NSWUxS/ ARCS). ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $12.751 million in support of United States Naval Special Warfare Command efforts to develop Payload Module for Unmanned Autonomous System.			
Title: Blue Force Tracking (BFT), Program Number 742 ***Description:*** The BFT is a family of devices used to remotely track and monitor SOF unit personnel. The capability enhances Command and Control, threat warning, force protection, situational awareness, combat search and rescue, counter-fratricide, and battlefield visualization and personnel recovery. This capability is unique to SOF because it requires the devices to support worldwide operations, be lightweight, portable, and secure using LPI/D waveforms. The BFT aligns to the 2022 National Defense Strategy (NDS) by providing capabilities that allow our forces to prevail in conflict and allow for a resilient Joint Force and defense ecosystem. ***FY 2024 Plans:*** Continue development and testing of the Next Generation BFT device and continue development of personnel recovery capabilities. ***FY 2025 Plans:*** Continues development of the Next Generation BFT device and testing/updates of the current BFT/personnel recovery devices. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $7.091 million supports the development and initial evaluation of the Next Generation BFT device prototypes that will provide advanced capabilities in alignment with the 2022 NDS prioritizing challenges in near-peer regions. Funding increase supports a competitive prototyping strategy that includes awarding up to four Other Transaction Authority Prototype Agreements aimed at identifying innovative technical solutions that will support SOF's continued need for responding to crises in high adversarial threat environments.	1.576	2.273	9.364
Title: Remote Advise and Assist /Virtual Accompany Kit (RAA/VAK), Program Number 697 ***Description:*** The RAA/VAK provides SOF operators with the capability to harness technologies to improve communications with Partnered Forces (PF). The capability serves as a force multiplier by SOF Commanders, staff and operators access to near-real-time information and support activities such as mission planning an execution, while SOF operators remain at the last covered and concealed position, outside the maximum effective range of small arms fire. The systems provide End User Devices to the partner forces, which provide green force tracking, sensor querying for intelligence, surveillance, and reconnaissance, fire support, and improved target identification in limited or denied areas.	0.567	1.198	1.210

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Develop advanced tracking system capable of transmitting location and discrete messages to SOF and Partner Forces. ***FY 2025 Plans:*** Assesses and integrates advanced sensors into the RAA/VAK partner force network and supports the integration of RAA/VAK data into SOF tactical, operational and strategic networks. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.012 million supports increased assessments and testing requirements.			
Accomplishments/Planned Programs Subtotals	10.555	17.789	37.643

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204WARRIOR: *Warrior Systems<$5M*	367.819	329.837	358.257	-	358.257	363.196	383.939	383.260	395.363	Continuing	Continuing

Remarks

D. Acquisition Strategy

The NGTC is a COTS/Non-Development Item with ETIs. Commercial and government agency sources will be leveraged for required certifications, functional and operational tests, and acceptance support. The NGTC program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The purpose of the MTA pathway is to rapid develop prototypes demonstrating Next Generation High Frequency Radio and to rapid fielding Next Generation Tactical Handheld and Manpack Radios systems with proven technologies.

The BFT has been designated a Major Capability Acquisition ACAT III at Milestone C in accordance with the authority in DoD Directive 5135.02 and the guidance in DoD Instruction 5000.85. The purpose of the MCA is to acquire BFT and Personnel Recovery (PR) systems capable of supporting global operations in diverse environments with varying threat levels. The BFT leverages commercial and other government agency sources for required certifications, functional and operational tests, and technology updates.

The RAA/VAK is a Rapid Fielding Middle Tier of Acquisition (MTA) program in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80. The RAA/VAK program leverages commercial and other government agency sources for technology insertions related to partner force communications, tracking, and sensor data collection and exfil.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S725 / *Tactical Radio Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Next Generation Tactical Communications (NGTC) Radio Development / Engineering Change Proposal (ECP) / Resilient Waveform Development	MIPR	Various : Various	42.055	6.460	Jan 2023	6.624	Jan 2024	11.905	Jan 2025	-		11.905	Continuing	Continuing	-
NGTC United States Naval Special Warfare Command Unmanned Autonomous System (UAS)/Autonomous & Remotely Controlled Systems	MIPR	Various : Various	-	-		-		14.714	Jan 2025	-		14.714	Continuing	Continuing	-
NGTC High Frequency Modernization	MIPR	Various : Various	3.313	1.952	Oct 2022	0.644	Feb 2024	0.450	Jan 2025	-		0.450	Continuing	Continuing	-
NGTC United States Army Special Operations Command Data Radio Device	MIPR	Various : Various	-	-		7.000	Jan 2024	-		-		-	Continuing	Continuing	-
NGTC Contested Communications/ Environment Waveform Development	MIPR	Various : Various	-	-		-		-		-		-	Continuing	Continuing	-
Blue Force Tracking (BFT) Rapid Prototyping, Product Development, and Device Integration	MIPR	Other Government Agencies : Chantilly, VA	4.768	1.501	Feb 2023	2.198	Jun 2024	9.289	Dec 2024	-		9.289	Continuing	Continuing	-
Remote Advise and Assist Virtual Accompany Kit (RAA/VAK) Capability Development, Rapid Prototyping, Product Development, and Device Integration	C/CPFF	Various : Various	-	0.389	Feb 2023	0.998	Feb 2024	0.998	Feb 2025	-		0.998	Continuing	Continuing	-
Prior Years Congressional Add	Various	Various : Various	9.635	-		-		-		-		-	0.000	9.635	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S725 / *Tactical Radio Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	59.771	10.302		17.464		37.356		-		37.356	Continuing	Continuing	N/A

Remarks

NGTC: ECP increase of $5.281 million due to Resilient Waveform development.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Next Generation Tactical Communication (NGTC) Developmental/ Operational Test and Evaluation	Option/ TBD	Various : Various	2.681	-		0.050	Sep 2024	-		-		-	0.000	2.731	-
Blue Force Tracker (BFT) SOF Assessments & Testing	MIPR	Various : Various	0.357	0.075	Nov 2022	0.075	Nov 2023	0.075	Nov 2024	-		0.075	Continuing	Continuing	-
Remote Advise and Assist Virtual Accompany Kit (RAA/VAK) Operational Test and Evaluation	MIPR	Various : Various	-	0.178	Mar 2023	0.200	Feb 2024	0.212	Feb 2025	-		0.212	Continuing	Continuing	-
		Subtotal	3.038	0.253		0.325		0.287		-		0.287	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	62.809	10.555		17.789		37.643		-		37.643	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

Next Generation Tactical Communications (NGTC) Schedule

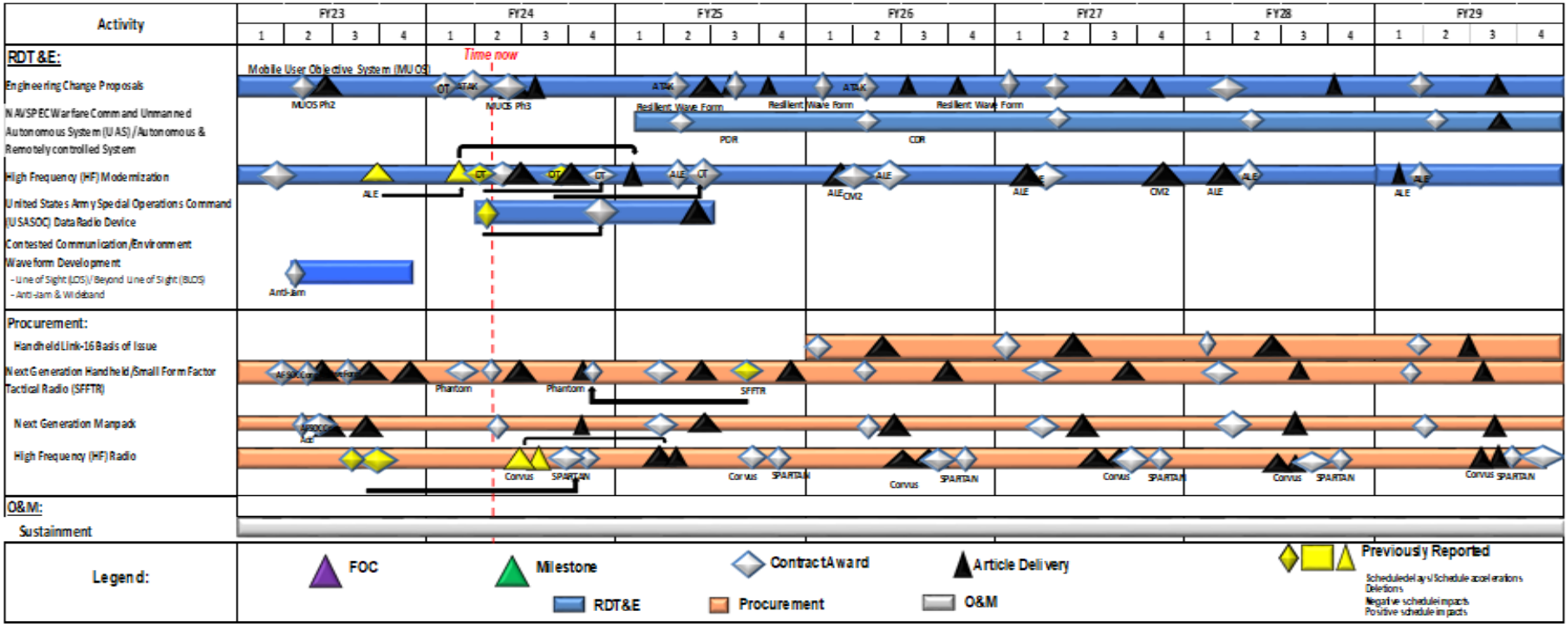


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

Blue Force Tracking (BFT)

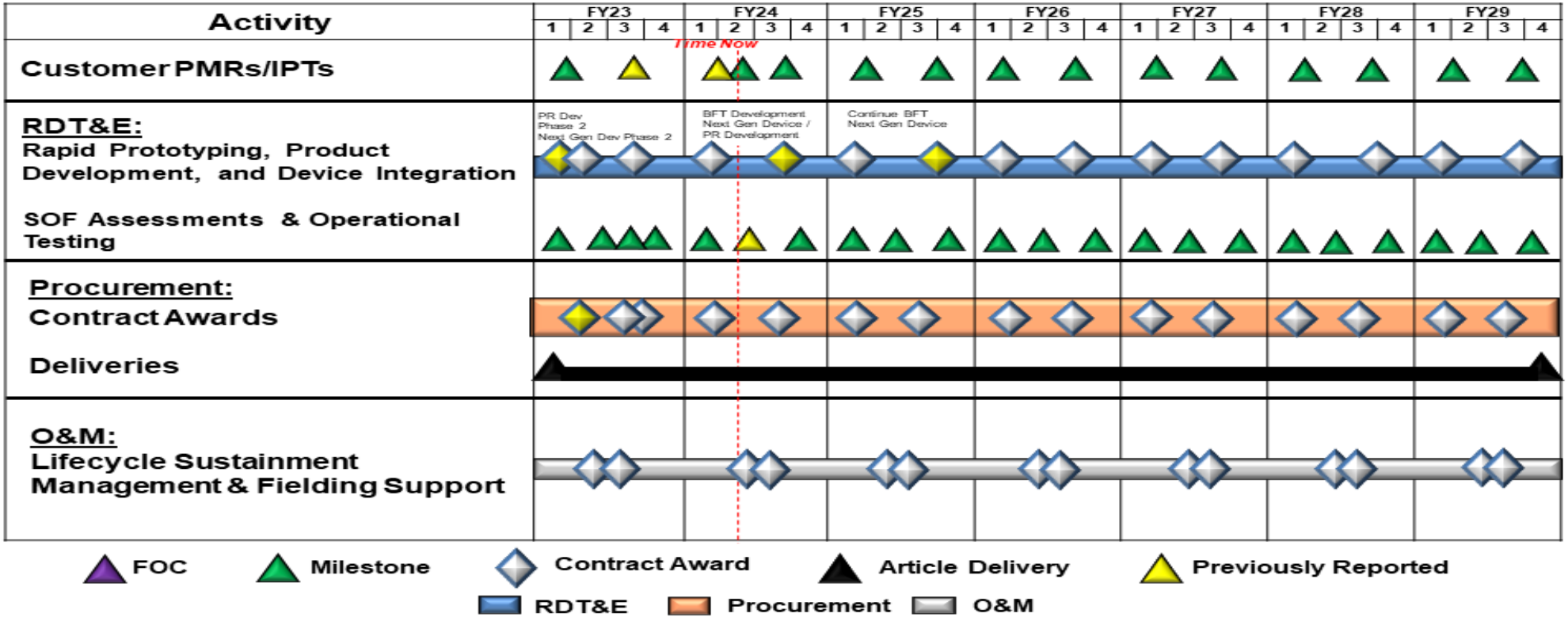


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

Remote Advise & Assist Virtual Assault Kit (RAA/VAK) Schedule

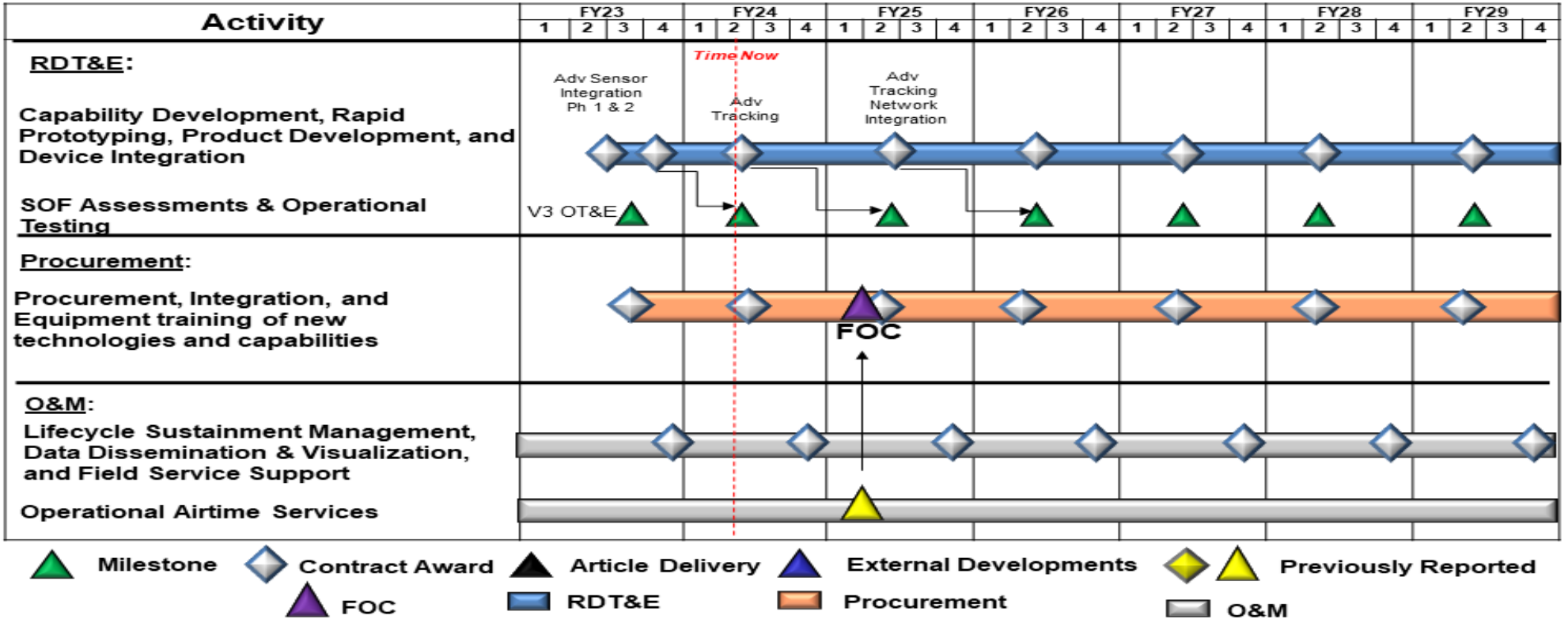


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S725 / *Tactical Radio Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Next Generation Tactical Communications (NGTC)				
Engineering Change Proposals (ECPs)	1	2023	4	2029
United States Naval Special Warfare Command Unmanned Autonomous System/ Autonomous & Remotely	1	2025	4	2029
High Frequency (HF) Modernization	1	2023	4	2029
United States Army Special Operations Command Data Radio Device	2	2024	2	2025
Contested Communication/Environment Waveform Development	2	2023	4	2023
Blue Force Tracking (BFT)				
Rapid Prototyping, Product Development, and Device Integration	2	2023	4	2029
SOF Assessments & Operational Testing	1	2023	4	2029
Remote Advise Assist Virtual Accompany Kit (RAA/VAK)				
Capability Development, Rapid Prototyping, Product Development, and Device Integration	2	2023	4	2029
SOF Assessments & Operational Testing	3	2023	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S800 / *Munitions Advanced Development*	

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
S800: *Munitions Advanced Development*	155.280	32.873	54.862	24.640	-	24.640	26.976	39.303	36.709	38.361	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project funds advanced engineering, operational system development, and qualification efforts related to specialized kinetic and non-kinetic munitions and equipment to meet the unique requirements of Special Operations Forces (SOF).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Stand-Off Precision Guided Munitions (SOPGM), Program Number 796	4.200	13.484	15.554
Description: The SOPGM provides for the integration and testing of service-common and recently developed precision guided munitions on SO-peculiar platforms. ***FY 2024 Plans:*** Continue the engineering, integration, and testing of various technologies (munitions and warheads) within the precision guided munitions portfolio. Modernize SOPGM weapons to provide alternative navigation and terminal guidance enhancement capability to operate in a near peer contested/GPS-denied environment. Develop new precision strike missiles; and provides security (cybersecurity/anti-tamper) enhancements throughout the SOPGM portfolio. ***FY 2025 Plans:*** Continues the engineering, integration, and testing of various technologies (munitions and warheads) within the precision guided munitions portfolio. Continues to modernize SOPGM weapons to provide alternative navigation and terminal guidance enhancement capability to operate in a near peer contested/GPS-denied environment. Continues development and test of SO-p long-range precision strike missiles including long-range missiles; and provides security (cybersecurity/anti-tamper) enhancements throughout the SOPGM portfolio. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $2.070 million supports continuing development and maturation of long-range, low-cost strike missiles; improves modularity and open architecture of 50-lb class munition and operational flight software for future incorporation of modular, open architecture seeker and guidance enhancements.			
Title: Munitions Advanced Development	0.511	0.556	0.527
Description: The Munitions Advanced Development provides for Insensitive Munitions (IM) technology development and evaluations that allow SOF munitions to pass testing which includes bullet impact, sympathetic detonation, fast cook off, slow cook off and shaped charge test. Testing is in accordance with the United States Special Operations Command (USSOCOM) IM			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Testing Plan. Munitions product improvements entails integrated deterrence through a reduction in a competitor's perception of the net benefits of aggression and are tested in accordance with command priorities. ***FY 2024 Plans:*** Continue product improvement efforts, proof of concept development and IM testing on various munitions. Continue full scale testing to satisfy safety requirements in Military Standard 2105C. ***FY 2025 Plans:*** Continues product improvement efforts, proof of concept development and IM testing on various munitions. Continues full scale testing to satisfy safety requirements in Military Standard 2105C. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.029 million is due to reduced prototyping/testing of munition.			
Title: Ground Organic Precision Strike System (GOPSS), Program Number 710 ***Description:*** The GOPSS program employs both direct attack or aerial loitering munitions (ALM) Vertical Take-Off and Landing (VTOL) technologies to provide SO-peculiar strike capability at the team level to provide integrated deterrence that enables combat-credible forces to fight and win. ***FY 2024 Plans:*** Continue the developmental test articles and test equipment, testing and evaluation using government ranges, the performance of critical munitions safety assessments, as well as the continuation of studies and analysis conducted in order to develop and enhance capabilities and to update program documentation. Continue to develop selected Echelon 0 prototypes to achieve suitable technical readiness levels for user evaluation in pursuit of production ready baseline and possible fielding. ***FY 2025 Plans:*** Continues to develop selected Echelon 0 (VTOL ALM Direct Attack) prototypes to achieve suitable technical readiness levels for user evaluation in pursuit of production ready baseline and possible fielding. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.244 million is due to system maturity and transition from development to production.	1.680	3.186	2.942
Title: Maritime Precision Engagement Munition (MPE-M), Program Number 671 ***Description:*** SO-peculiar loitering munition deployed from a Combatant Craft Medium using crewmember-in-the-loop terminal guidance against land and maritime targets. ***FY 2024 Plans:***	9.391	31.643	-

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Complete product development and testing to include integration into the Combatant Craft Medium. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $31.643 million due to funding deferment to align with the Combatant Craft Medium delivery schedule.			
Title: Classified Program(s) ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:*** Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details of $0.376 million decrease provided under separate cover.	2.309	5.993	5.617
Accomplishments/Planned Programs Subtotals	18.091	54.862	24.640

	FY 2023	FY 2024
Congressional Add: GOPSS ***FY 2023 Accomplishments:*** Developed Aerial Loitering Munition (ALM) prototypes for advanced to limited production Other Transaction Authorities (OTAs) for Military User Assessments (MUA).	9.567	-
Congressional Add: MPE-M ***FY 2023 Accomplishments:*** Accelerated the completion of Block I developmental testing through Critical Design Review.	3.469	-
Congressional Add: Classified Program(s) ***FY 2023 Accomplishments:*** Details provided under separate cover.	1.746	-
Congressional Adds Subtotals	14.782	-

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0203ORDN: *Ordnance Items <$5M*	152.692	147.831	139.078	-	139.078	140.894	143.863	158.616	161.249	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

C. Other Program Funding Summary ($ in Millions)

Line Item	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

Remarks

D. Acquisition Strategy

SOPGM: Integration and developmental testing of precision guided munitions will be conducted using government laboratories or industry partners depending on the munitions for various SOF platforms. The SOPGM program has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80.

Munitions Advanced Development: Munitions and packaging redesign take place within government laboratories, as well as in industry, depending on the munitions. The IM solutions shall be tested on a small scale for proof of principle. Planned product improvements are tested at Army, Navy, and Air Force test centers leveraging MTA authorities and OTAs. Ordnance/Munitions utilizes the Middle Tier of Acquisition (MTA) pathway for Rapid Prototyping/Rapid Fielding to support capability set procurements and fielding for increased lethality.

GOPSS: Integration and developmental testing of precision strike systems with follow-on government-led integration effort leveraging lessons learned from similar rapid integration and prototype efforts on other SOF platforms. Planned product improvements are tested at Army, Navy, and Marine Corps test centers leveraging MTA authorities and OTAs. The GOPSS is a designated MTA which uses the rapid prototyping pathway and is executing using existing contracts, government agencies, and new contracts competitively selected as appropriate. Ordnance/GOPSS utilizes the MTA pathway for Rapid Prototyping/Rapid Fielding for increased lethality.

MPE-M: Leverages industry and government warfare centers for aircraft and payload development and integration using the MTA pathway.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S800 / *Munitions Advanced Development*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Stand-off Precision Guided Munitions (SOPGM) Development (1)	C/Various	Various : Various	6.641	3.700	Mar 2023	9.484	Mar 2024	12.054	Mar 2025	-		12.054	Continuing	Continuing	-
Ground Organic Precision Strike System (GOPSS)	C/Various	Various : Various	7.232	1.680	Dec 2022	2.656	Dec 2023	2.500	Dec 2024	-		2.500	Continuing	Continuing	-
GOPSS HERO Development Congressional Add	C/Various	Various : Various	-	7.087	May 2023	-		-		-		-	0.000	7.087	-
GOPSS Warhead Improvements Congressional Add	C/Various	Various : Various	-	1.450	May 2023	-		-		-		-	0.000	1.450	-
GOPSS Component Standardization Congressional Add	C/Various	Various : Various	-	0.650	May 2023	-		-		-		-	0.000	0.650	-
Maritime Precision Engagement Munition (MPE-M) Development	C/Various	Various : Various	14.284	8.000	Jan 2023	-		-		-		-	Continuing	Continuing	-
MPE-M - Payload development	C/Various	Various : Various	3.545	-		-		-		-		-	Continuing	Continuing	-
MPE-M Integration Development	C/Various	Various : Various	3.417	-		-		-		-		-	Continuing	Continuing	-
MPE-M Block I A/C, P.L, & Integration Dev	C/Various	Various : Various	-	-		11.740	Feb 2024	-		-		-	Continuing	Continuing	-
Classified Programs	Various	Various : Various	3.990	1.160		3.999		1.141		-		1.141	Continuing	Continuing	-
Prior Year Funding - Base	C/Various	Various : Various	59.570	-		-		-		-		-	0.000	59.570	-
Prior Year Funding - Overseas Contingency Operations (OCO)	C/Various	Various : Various	0.002	-		-		-		-		-	0.000	0.002	-
Prior Year Funding - Congressional Plus Up	C/Various	Various : Various	23.957	-		-		-		-		-	0.000	23.957	-
		Subtotal	122.638	23.727		27.879		15.695		-		15.695	Continuing	Continuing	N/A

Remarks

SOPGM increase of $2.570 million will continue the SOPGM modernization and developmental test of new long range strike capability to the portfolio.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S800 / *Munitions Advanced Development*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified Programs	Various	Various : Various	0.199	0.580		0.783		1.476		-		1.476	Continuing	Continuing	-
Prior Year	C/Various	Various : Various	1.100	-		-		-		-		-	0.000	1.100	-
Prior Year Funding - OCO	C/Various	Various : Various	0.001	-		-		-		-		-	0.000	0.001	-
Prior Year Funding - Congressional Plus Up	C/Various	Various : Various	7.868	-		-		-		-		-	0.000	7.868	-
		Subtotal	9.168	0.580		0.783		1.476		-		1.476	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SOPGM Developmental Test	C/Various	Various : Various	0.500	0.506	Feb 2023	2.500	Feb 2024	2.000	Feb 2025	-		2.000	Continuing	Continuing	-
SOPGM Operational/Live Fire Test	C/Various	Various : Various	-	-		1.500	Feb 2024	1.500	Feb 2025	-		1.500	Continuing	Continuing	-
Munitions Advanced Development AMMO Systems - Insensitive Munitions (IM) Evaluation Developmental Test and Evaluation	C/FFP	US Air Force Air Armaments Center : Eglin, AFB, FL	0.349	0.071	Dec 2022	0.076	Dec 2023	-		-		-	Continuing	Continuing	-
Munitions Advanced Development AMMO Systems - IM Testing Developmental Test and Evaluation	Allot	DEVCOM-AC : Picatinny Arsenal, NJ	2.738	0.270	Dec 2022	0.275	Dec 2023	0.280	Dec 2024	-		0.280	Continuing	Continuing	-
Munitions Advanced Development AMMO Systems - Obtain Munitions Test Articles Developmental Test and Evaluation	C/Various	DEVCOM-AC : Picatinny Arsenal, NJ	0.860	0.170	Dec 2022	0.205	Dec 2023	0.247	Dec 2024	-		0.247	Continuing	Continuing	-
GOPSS Operational Test and Evaluation	C/Various	Various : Various	-	-		0.530	Dec 2023	0.442	Dec 2024	-		0.442	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160431BB / *Warrior Systems*	Project (Number/Name) S800 / *Munitions Advanced Development*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
GOPSS Operational Test and Evaluation Congressional Add	C/Various	Various : Various	-	0.380	Jul 2023	-		-		-		-	0.000	0.380	-
MPE-M Block I Developmental Test and Evaluation	Allot	NSWC : Indian Head, MD	2.124	0.754	Jan 2023	-		-		-		-	Continuing	Continuing	-
MPE-M Block I Operational Test and Evaluation	Allot	Redstone : Various	1.245	0.300	Mar 2023	-		-		-		-	Continuing	Continuing	-
MPE-M Live Fire Test and Evaluation	Allot	NSWC : Indian Head, MD	0.819	0.337	Jan 2023	-		-		-		-	Continuing	Continuing	-
MPE-M Block I A/C, P/L DT and OT	C/Various	Various : Various	-	-		19.903	Mar 2024	-		-		-	Continuing	Continuing	-
MPE-M Block I Congressional Add	C/Various	Various : Various	-	3.469	Jan 2023	-		-		-		-	0.000	3.469	-
Classified Programs	Various	Various : Various	-	-		1.211		3.000		-		3.000	Continuing	Continuing	-
Classified Programs - Congressional Add	Various	Various : Various	1.079	2.309		-		-		-		-	0.000	3.388	-
Prior Year Funding - Base	C/Various	Various : Various	2.298	-		-		-		-		-	0.000	2.298	-
Prior Year Funding - OCO	C/Various	Various : Various	0.406	-		-		-		-		-	0.000	0.406	-
Prior Year Funding - Congressional Add	C/Various	Various : Various	11.056	-		-		-		-		-	0.000	11.056	-
		Subtotal	23.474	8.566		26.200		7.469		-		7.469	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	155.280	32.873		54.862		24.640		-		24.640	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

Stand-Off Precision Guided Munitions Schedule

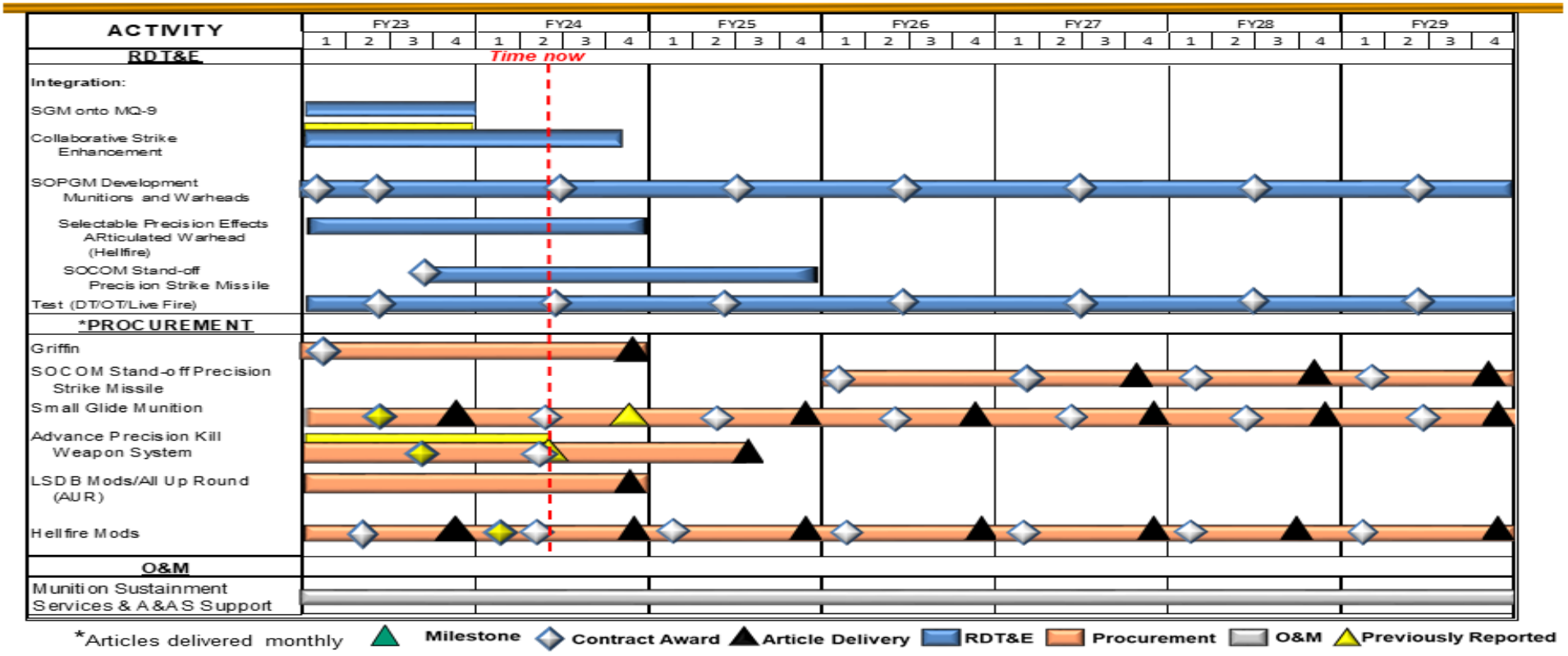
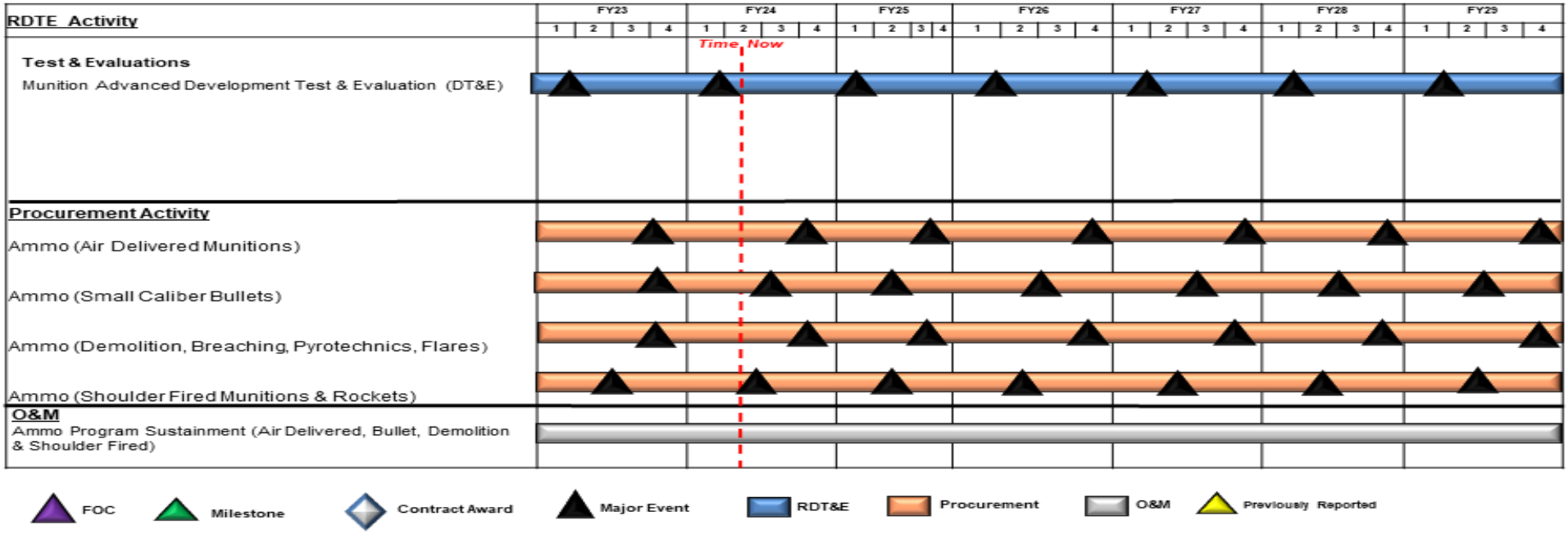


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

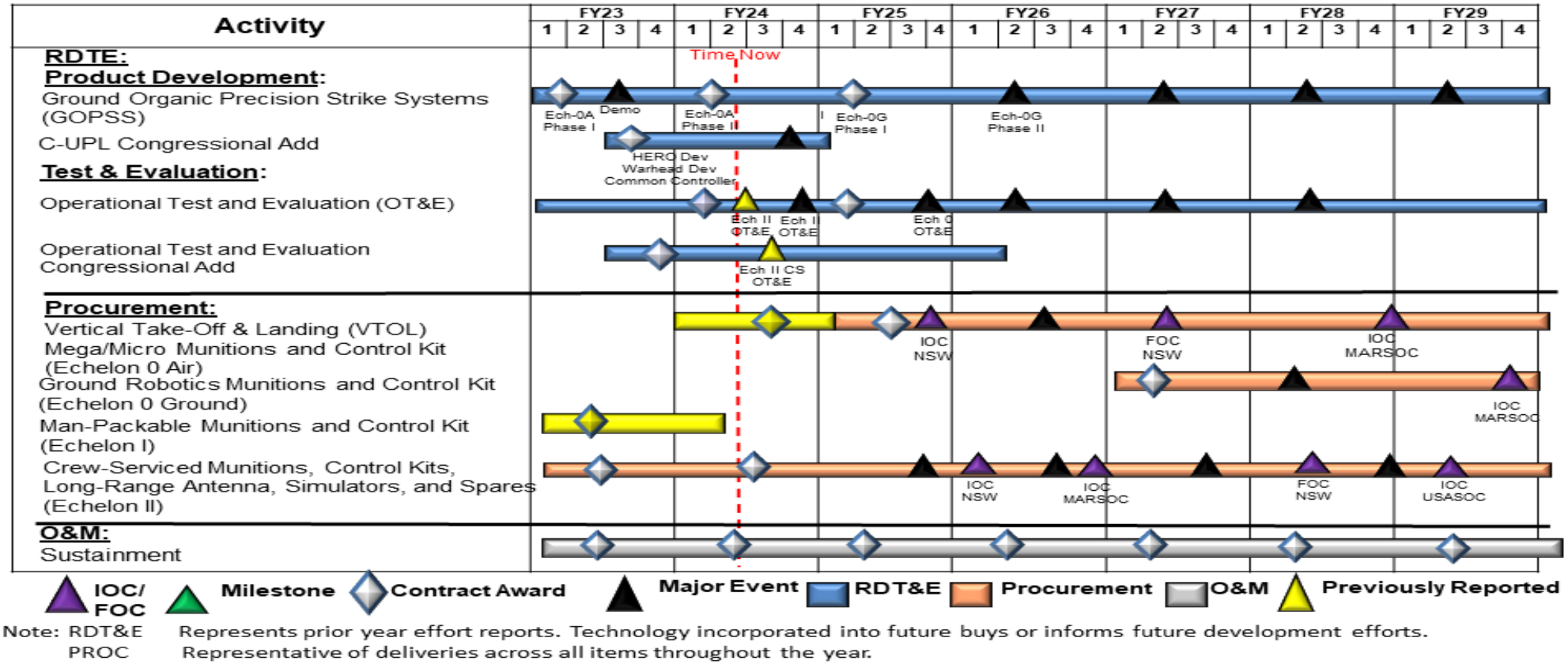
Munitions Advanced Development Schedule



Note: RDT&E ▲ Represents prior year effort reports. Technology incorporated into future buys or informs future development efforts.
PROC ▲ Representative of deliveries across all items throughout the year.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

Ground Organic Precision Strike Systems (GOPSS) Schedule



Note: RDT&E Represents prior year effort reports. Technology incorporated into future buys or informs future development efforts.
PROC Representative of deliveries across all items throughout the year.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

Maritime Precision Engagement Munition (MPE-M) Schedule

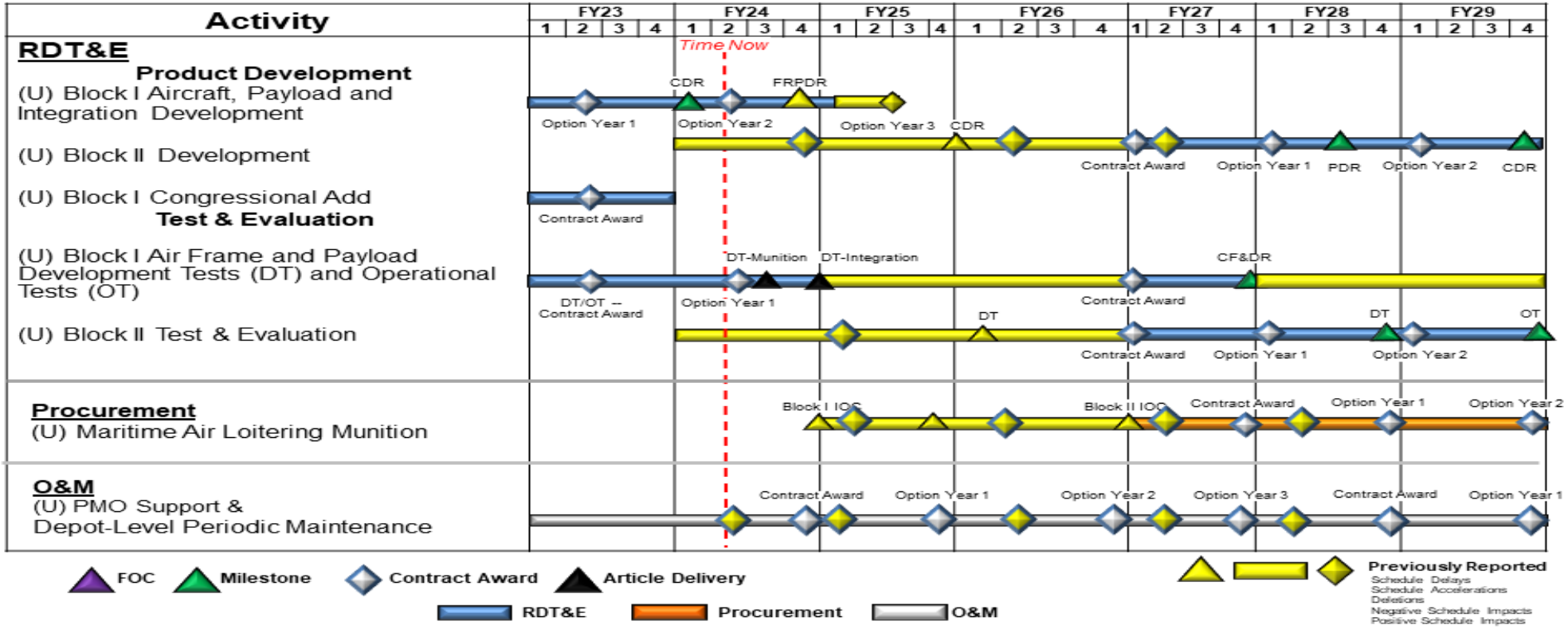


Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Stand-off Precision Guided Munitions (SOPGM)				
SGM onto MQ-9 Integration	1	2023	4	2023
Collaborative Strike Enhancement	1	2023	4	2024
Development Munitions and Warheads	1	2023	4	2029
Selectable Precision Effects Articulated Warhead (Hellfire)	1	2023	4	2024
SOCOM Stand Off Precision Strike Missiles	3	2023	4	2025
Test (Developmental/Operational/Live Fire Test and Evaluation)	1	2023	4	2029
Munitions Advanced Development				
Munitions Advanced Developmental Test and Evaluation	1	2023	4	2029
Ground Organic Precision Strike Systems (GOPSS)				
Product Development	1	2023	4	2029
Product Development Congressional Add	2	2023	4	2024
Operational Test & Evaluation	1	2023	4	2025
Operational Test & Evaluation Congressional Add	2	2023	1	2026
Maritime Precision Engagement Munition (MPE-M)				
Block 1 Aircraft Development -- Product Development	1	2023	1	2025
Block 1 Payload & Integration Development -- Product Development	1	2023	1	2025
Block II Development -- Product Development	1	2024	4	2024
Variant II Development -- Product Development	1	2024	4	2024
Aircraft Development, Payload Development, & Integration Development -- Product Development Congressional Add	1	2023	4	2023
Block I Airframe & Payload -- Developmental Test & Evaluation	1	2023	4	2024
Airframe Block 1 -- Operational Test & Evaluation	1	2023	4	2024

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160431BB / *Warrior Systems*	**Project (Number/Name)** S800 / *Munitions Advanced Development*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Airframe & Payload -- Live Fire Test & Evaluation	1	2023	4	2024
Variant II -- Developmental Test & Evaluation	1	2024	4	2024

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160432BB / *Special Programs*

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	70.102	0.499	0.529	0.539	-	0.539	0.550	0.561	0.572	0.583	Continuing	Continuing
S500E: *Special Programs*	70.102	0.499	0.529	0.539	-	0.539	0.550	0.561	0.572	0.583	Continuing	Continuing

A. Mission Description and Budget Item Justification

This project is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.518	0.529	0.539	-	0.539
Current President's Budget	0.499	0.529	0.539	-	0.539
Total Adjustments	-0.019	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.019	-			

Change Summary Explanation

Funding:

FY 2023: Decrease of $0.019 million is due to a reprogramming of funds to the Congressionally mandated Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) programs.

FY 2024: None.

FY 2025: None.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*

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	193.410	3.354	6.727	31.578	-	31.578	13.661	9.284	8.410	8.039	Continuing	Continuing
S855: *Unmanned ISR*	193.410	3.354	6.727	31.578	-	31.578	13.661	9.284	8.410	8.039	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) is part of the Military Intelligence Program (MIP). Unmanned Intelligence, Surveillance, and Reconnaissance (ISR) rapidly develops and deploys special capabilities to perform ISR for deployed Special Operations Forces (SOF) using non-traditional means. The United States Special Operations Command (USSOCOM) has been designated as the Department of Defense lead for planning, synchronizing, and as directed, executing global operations against terrorist networks and targets. The USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harm's way. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This PE addresses the primary areas of ISR and targeting capabilities for SOF.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	3.354	6.727	6.578	-	6.578
Current President's Budget	3.354	6.727	31.578	-	31.578
Total Adjustments	0.000	0.000	25.000	-	25.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	25.000	-	25.000

Change Summary Explanation

Funding:

FY 2023: None

FY 2024: None.

FY 2025: Increase of $25.000 million begins development of Next Generation extra-long endurance aircraft, flight test, autopilot capabilities.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

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
S855: *Unmanned ISR*	193.410	3.354	6.727	31.578	-	31.578	13.661	9.284	8.410	8.039	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project is part of the Military Intelligence Program (MIP). Unmanned Intelligence, Surveillance, and Reconnaissance (ISR) rapidly develops and deploys special capabilities to perform ISR for deployed Special Operations Forces (SOF) using non-traditional means.

Group 1, 2, 3 and 4, Unmanned Aerial Systems (UAS) developmental efforts are to identify, develop, integrate, and test Special Operations-peculiar (SO-p) mission kits, mission payloads, air vehicle enhancements, and modifications to ground control stations. Based on stakeholder input and requirements, United States Special Operations Command develops and integrates UAS payloads to advance ISR capabilities that address dynamic and emergent operational needs of the SOF user. Efforts include improving imagery intelligence and electronic warfare payloads, capitalizing on developing technologies to reduce size, weight and power while addressing processing and data management challenges. This program also provides a mechanism for SOF user combat evaluation of emerging sensor technologies.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Group 4 UAS: MQ-1C, Program Number 781 ***Description:*** Group 4 UAS are large systems that weigh greater than 1,320 pounds and fly higher than 18,000 feet (flight level 180). Provides for development efforts to identify, integrate, and test SO-p mission kits to include improved communications/ networking, sensors, payloads, pod, and weapons integration. ***FY 2024 Plans:*** Continue to develop, test, and integrate SOF-p weapon launchers and sensors on the MQ-1C. Improve Ground Control Stations (GCS) and training systems to implement advanced capabilities to combat emerging threats. ***FY 2025 Plans:*** Continues to develop, test, and integrate capabilities, such as weapon launchers, tactical networking enhancements, airborne mission networking enhancements, and situational awareness payload integration. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.175 million is due to reduction in operational test requirements for airborne and tactical mission integration.	2.374	5.401	5.226
Title: Group 4 UAS: Long Endurance Aircraft (LEA), Program Number 4GD ***Description:*** The LEA provides Special Operations Forces (SOF) with relatively low-cost uncrewed aircraft family of systems to meet Intelligence, Surveillance & Reconnaissance (ISR) requirements in austere and permissive environments for use in Irregular Warfare operations in support of the 2022 National Defense Strategy.	0.980	1.326	26.352

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Continue to develop and integrate SO-p sensor to increase combat line fielding for enhanced LEA platforms. ***FY 2025 Plans:*** Continues to develop and integrate SO-p sensor to increase combat line fielding for enhanced LEA platforms. Begins development of autopilot capabilities. Begins development and flight testing of Next Generation extra-long endurance aircraft. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** $25.026 million increase begins development of Next Generation extra-long endurance aircraft, flight test, autopilot capabilities.			
Accomplishments/Planned Programs Subtotals	3.354	6.727	31.578

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0201UMNISR: *Unmanned ISR*	43.749	26.997	33.717	-	33.717	45.562	33.426	34.100	32.488	Continuing	Continuing

Remarks

D. Acquisition Strategy

Group 4 UAS: MQ-1C is an acquisition program that develops, tests, and integrates SO-peculiar (SO-p) emerging technology mission kits, mission payloads, weapons, and modifications on MQ-1C and associated Ground Control Stations (GCS) and training systems. Program provides rapid prototype activities and technology maturation events to increase situational awareness, lethality, and platform capability. Contract types include a mix of cost type and fixed price. Where possible, Group 4 UAS leverages service common Contractor Logistics Support (CLS) and developmental activities and contracts for aircraft and ancillary equipment development, improvement, and sustainment. The MQ-1C has been designated a Middle Tier of Acquisition (MTA) in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80.

LEA UAS: Small Business Innovative Research (SBIR) III contract utilizing UAS technology developed under Air Force Research Laboratory (AFRL). LEA utilizes Cost Plus Fixed Fee (CPFF) Indefinite Delivery/Indefinite Quantity (IDIQ) contract for ISR services. This program is designed to utilize a family of systems to meet operational requirements. The LEA program has been a MTA in accordance with Section 804 of Public Law 114-92, the authority in DoD Directive 5143.01, and guidance in DoD Instruction 5000.80.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Group 4 UAS: MQ-1C Weapon/Launchers	Various	Various : Various	-	1.235	Mar 2023	0.477	Feb 2024	0.582	Feb 2025	-		0.582	Continuing	Continuing	-
Group 4 UAS: MQ-1C Tactical Mission Networking	Various	Various : Various	-	-		1.872	Feb 2024	1.653	Feb 2025	-		1.653	Continuing	Continuing	-
Group 4 UAS: MQ-1C Airborne Mission Networking	Various	Various : Various	22.032	0.569	Mar 2023	1.972	Apr 2024	1.964	Apr 2025	-		1.964	Continuing	Continuing	-
Group 4 UAS: MQ-1C Situational Awareness Payload Integration	Various	Various : Various	-	0.159	Mar 2023	-		0.161	Feb 2025	-		0.161	Continuing	Continuing	-
Long Endurance Aircraft (LEA) UAS Payload Integration	Various	Various : Various	-	0.980	Apr 2023	1.326	Apr 2024	0.452	Jul 2025	-		0.452	Continuing	Continuing	-
Long Endurance Aircraft (LEA) UAS Autopilot Development	Various	Various : Various	-	-		-		0.548	Nov 2025	-		0.548	Continuing	Continuing	-
Long endurance Aircraft (LEA) UAS Next Generation aircraft development	Various	Various : Various	-	-		-		17.000	Jan 2025	-		17.000	Continuing	Continuing	-
Prior Year Effort	Various	Various : Various	76.195	-		-		-		-		-	0.000	76.195	-
Prior Year Effort - Overseas Contingency Operations (OCO)	Various	Various : Various	8.053	-		-		-		-		-	0.000	8.053	-
Prior Year Effort - Congressional Add	Various	Various : Various	26.300	-		-		-		-		-	0.000	26.300	-
		Subtotal	132.580	2.943		5.647		22.360		-		22.360	Continuing	Continuing	N/A

Remarks

Note: In FY 2025, $25,000K was realigned from Operation and Maintenance Intelligence Sub Activity Group 1PLU to finalize development and flight test of an improved long endurance platform to operate in compliment to the RQ-29.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Effort	Various	Various : Various	8.690	-		-		-		-		-	0.000	8.690	-
Prior Year Effort - OCO	Various	Various : Various	3.279	-		-		-		-		-	0.000	3.279	-
		Subtotal	11.969	-		-		-		-		-	0.000	11.969	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Group 4 UAS: MQ-1C Operational Test and Evaluation	Various	Various : Various Vendors During Integration	1.465	0.411	Mar 2023	1.080	Feb 2024	0.866	Mar 2025	-		0.866	Continuing	Continuing	-
Various Effects Launcher Capability (VELC) Operational - Congressional Add	Various	Various : Various	0.700	-		-		-		-		-	Continuing	Continuing	-
Long Endurance Aircraft (LEA) UAS Next Generation flight testing	Various	Various : Various	-	-		-		8.352	Jul 2025	-		8.352	Continuing	Continuing	-
Prior Year	Various	Various : Various	30.369	-		-		-		-		-	0.000	30.369	-
Prior Year Effort - OCO	Various	Various : Various	1.668	-		-		-		-		-	0.000	1.668	-
		Subtotal	34.202	0.411		1.080		9.218		-		9.218	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Effort	Various	Various : Various	14.659	-		-		-		-		-	0.000	14.659	-
		Subtotal	14.659	-		-		-		-		-	0.000	14.659	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160434BB / *Unmanned ISR*	Project (Number/Name) S855 / *Unmanned ISR*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	193.410	3.354		6.727		31.578		-		31.578	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Group 4 MQ-1C UAS Schedule

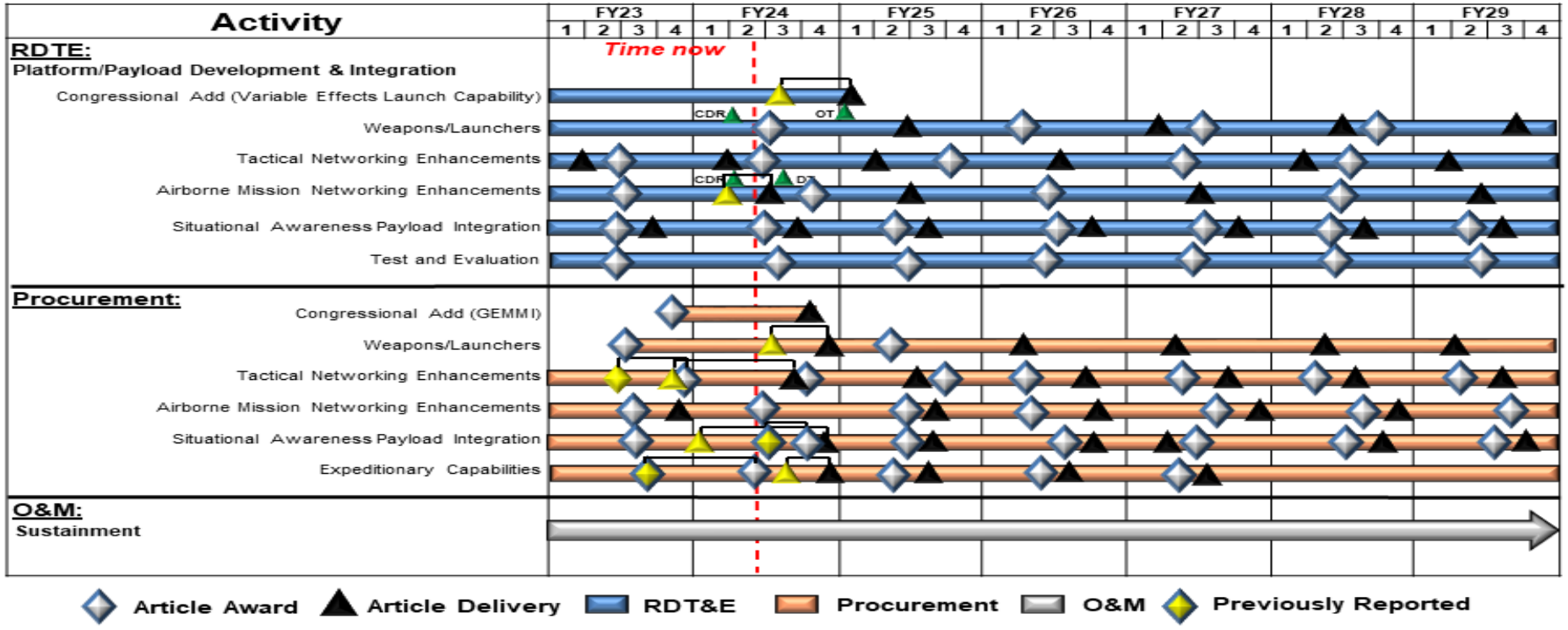

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Long Endurance Aircraft (LEA) Schedule

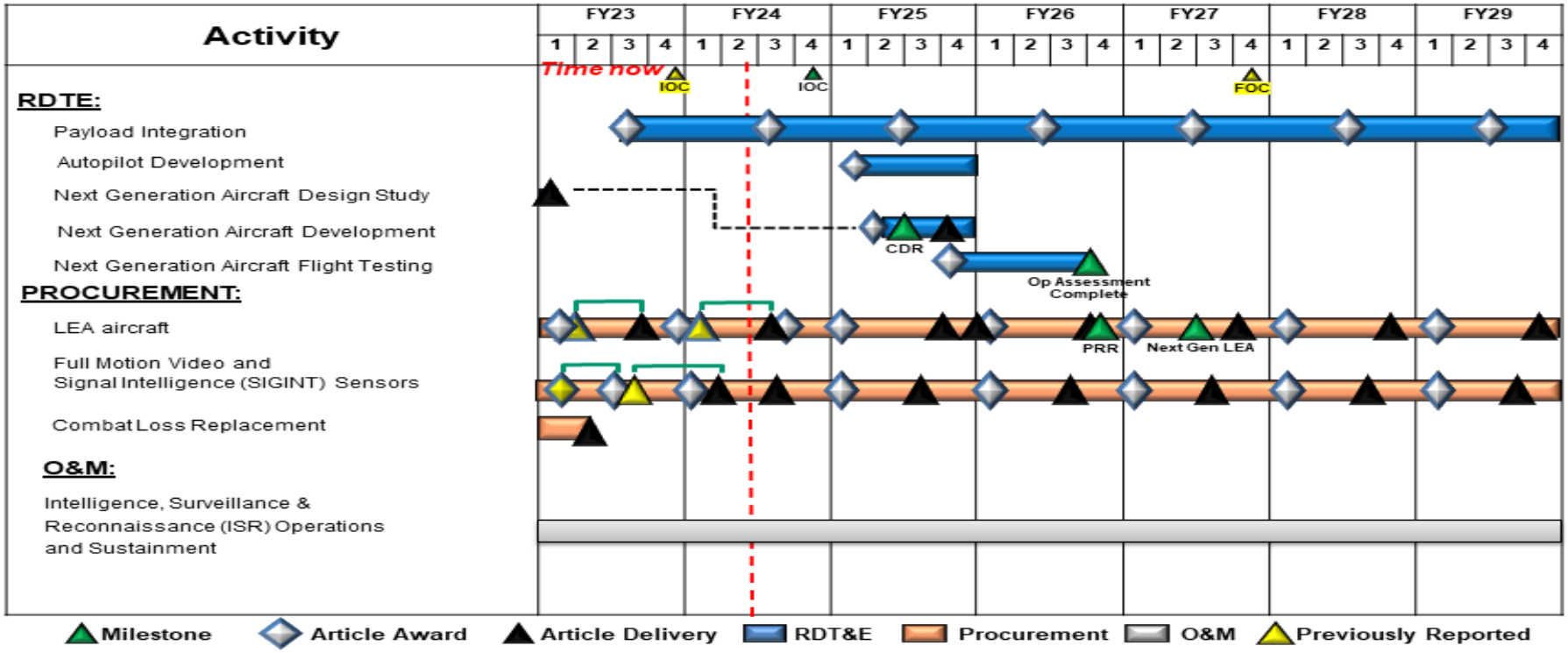

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160434BB / *Unmanned ISR*	**Project (Number/Name)** S855 / *Unmanned ISR*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Group 4 UAS: MQ-1C				
Weapon/Launchers	1	2023	4	2029
Tactical Networking Enhancements	1	2023	4	2029
Airborne Mission Networking Enhancements	1	2023	4	2029
Situational Awareness Payload Integration	1	2023	4	2029
Operational Test & Evaluation	1	2023	4	2029
Long Endurance Aircraft (LEA) Unmanned Aerial System (UAS)				
LEA Payload Integration	3	2023	4	2029
LEA Auto Pilot Development	1	2025	4	2025
Next Generation Extra-Long Flight Testing	4	2025	2	2026
Next Generation Extra-Long Aircraft Development	2	2025	3	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160480BB / *SOF Tactical Vehicles*

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	67.164	10.542	9.335	9.025	-	9.025	9.213	9.392	5.651	5.764	Continuing	Continuing
S910: *SOF Tactical Vehicles*	67.164	10.542	9.335	9.025	-	9.025	9.213	9.392	5.651	5.764	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element provides for the development and testing of a variety of capability upgrades to Special Operations Forces (SOF) Vehicles and mission enabling equipment. Current SOF tactical vehicles are categorized into Light, Medium, Heavy, and Commercial, which include the Lightweight Tactical All-Terrain Vehicle (LTATV); Ground Mobility Vehicle (GMV 1.0 / 1.1); Joint Light Tactical Vehicle (JLTV); Mine Resistant Ambush Protected (MRAP) Vehicle; Armored Ground Mobility System (AGMS); Non-Standard Commercial Vehicle (NSCV); and Special Operations-peculiar (SO-p) modifications for commercially available and service common platforms. The SOF mission mandates that SOF vehicles remain technologically superior, operate in multiple environments, and able to meet any threat to provide a maximum degree of survivability and build enduring advantages and campaigning to advance strategy-aligned priorities in accordance with the 2022 National Defense Strategy.

The total cost of the Family of Special Operations Vehicles (FSOV) effort is $307.929 million (FY 2022 - FY 2026), including RDT&E and procurement of prototype units. The FSOV effort includes Middle Tier of Acquisition for MRAP (Program Number 802), GMV (Program Number 803), NSCV (Program Number 804), LTATV (Program Number Q8M), and JLTV (Program Number P7Z). This effort is fully funded across the FYDP.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	10.719	9.335	9.704	-	9.704
Current President's Budget	10.542	9.335	9.025	-	9.025
Total Adjustments	-0.177	0.000	-0.679	-	-0.679
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.214	-			
• SBIR/STTR Transfer	-0.391	-			
• Adjustments to Budget Year	-	-	-0.679	-	-0.679

Change Summary Explanation

Funding:

FY 2023: Decrease of $0.177 million is due to SBIR/STTR Transfer and a reprogramming of funds to allow a risk reduction, autonomous effort to be funded.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160480BB / *SOF Tactical Vehicles*

FY 2024: None.

FY 2025: Decrease of $0.679M is due to the completion of JLTV SOF Modification Block 1 ECPs.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / *SOF Tactical Vehicles*	Project (Number/Name) S910 / *SOF Tactical Vehicles*	

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
S910: *SOF Tactical Vehicles*	67.164	10.542	9.335	9.025	-	9.025	9.213	9.392	5.651	5.764	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the development and testing of a variety of capability upgrades to Special Operations Forces (SOF) Vehicles and mission enabling equipment. Current SOF tactical vehicles are categorized into Light, Medium, Heavy, and Commercial, which include the Lightweight Tactical All-Terrain Vehicle (LTATV); Ground Mobility Vehicle (GMV 1.0 / 1.1); Joint Light Tactical Vehicle (JLTV); Mine Resistant Ambush Protected (MRAP) Vehicle; Armored Ground Mobility System (AGMS); Non-Standard Commercial Vehicle (NSCV); and Special Operations-peculiar (SO-p) modifications for commercially available and service common platforms. The SOF mission mandates that SOF vehicles remain technologically superior, operate in multiple environments, and able to meet any threat to provide a maximum degree of survivability.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Family of Special Operations Vehicles (FSOV)	10.542	9.335	9.025

Description: Funding provides for design/engineering, test, and evaluation costs related to capability upgrades in the following areas: survivability; lethality; signature management; mobility/performance; communications; and product development. These capability upgrades and Engineering Change Proposals (ECPs) are incorporated across the FSOV family of vehicles: Ground Mobility Vehicle (GMV 1.1), Program Number 803; Non-Standard Commercial Vehicle (NSCV), Program Number 804; Lightweight Tactical All-Terrain Vehicle (LTATV), Program Number Q8M; Mine Resistant Ambush Protected (MRAP) Vehicle, Program Number 802; commercially available and other service common platforms such as the Joint Light Tactical Vehicle (JLTV), Program Number P7Z and Infantry Squad Vehicle (ISV).

FY 2024 Plans:

Continue the development and integration of ECPs that improve the performance of LTATV, GMV 1.1, MRAP, JLTV, NSCV, Stryker communications, and other emerging SOF and service common platforms. Continue capability development for JLTV SOF modifications and other SOF Mobility platforms including Hybrid/Electric and autonomous technology, signature reduction, Counter Uncrewed Aerial Systems (C-UxS), Precision Strike System (PSS), Situational Awareness (SA), along with enhanced integrated communications, lethality, and survivability modernization. Continue to transition developed technologies across the FSOV family of vehicles.

FY 2025 Plans:

Continues the development and integration of ECPs that improve the performance of LTATV, GMV 1.1, MRAP, JLTV, NSCV, and other emerging SOF and service common platforms. Continues capability development for SO-p kits for SOF vehicles, JLTV, ISV, other commercial vehicles and other SOF Mobility platforms including Hybrid/Electric and autonomous technology, signature reduction, Remote Weapon System (RWS), C-UxS, Precision Strike, lethality, survivability modernization and enhanced integrated

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160480BB / *SOF Tactical Vehicles*	**Project (Number/Name)** S910 / *SOF Tactical Vehicles*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
communications. Continues to transition developed technologies across the FSOV family of vehicles. Completes the development and integration of Stryker communication. Completion of JLTV SOF Modification Block 1 ECPs. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $0.310 million is due to completion of JLTV SOF Modification Block 1 ECPs.			
Accomplishments/Planned Programs Subtotals	10.542	9.335	9.025

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204TACVEH: *Tactical Vehicles*	60.861	56.561	53.016	-	53.016	58.167	29.516	31.318	22.092	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Family of Special Operations Vehicles (FSOV), in accordance with DoDI, 5000.80, utilizes the Middle Tier of Acquisition (MTA) pathway for rapid fielding of capability upgrades and Engineering Change Proposals (ECPs) for survivability, lethality, signature management, mobility/performance, communications, and product development, incorporated across the FSOV family of vehicles to include: Ground Mobility Vehicle (GMV 1.1); Non-Standard Commercial Vehicle (NSCV); Lightweight Tactical All-Terrain Vehicle (LTATV); Mine Resistant Ambush Protected (MRAP) Vehicle; Armored Ground Mobility System (AGMS) and other service common platforms such as the Joint Light Tactical Vehicle (JLTV) and Infantry Squad Vehicle (ISV). The current acquisition approach for SOF Tactical Vehicles utilizes the MTA rapid fielding pathway to support capability set procurements and fielding. The FSOV program will transition to a tailored Acquisition Category (ACAT) program utilizing the Major Capability Acquisition (MCA) pathway to complete fielding. The FSOV program will apply SO-p modifications to service common or Commercial-Off-The-Shelf (COTS) vehicles whenever possible. Where required, the FSOV program will incorporate purpose-built, non-developmental item, or modified COTS vehicles if/when service solution is unavailable.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / *SOF Tactical Vehicles*	Project (Number/Name) S910 / *SOF Tactical Vehicles*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Light Tactical All-Terrain Vehicle (LTATV) Capability Enhancements / Engineering Change Proposal (ECP) Development	Various	Various : Various	4.716	0.500	Nov 2022	1.100	Nov 2023	1.500	Nov 2024	-		1.500	Continuing	Continuing	-
Medium Vehicle (Ground Mobility Vehicle (GMV) 1.1, Infantry Squad Vehicle (ISV)) Capability Enhancements / ECP Development	Various	Various : Various	18.234	0.823	May 2023	0.715	May 2024	0.500	Feb 2025	-		0.500	Continuing	Continuing	-
Non-Standard Commercial Vehicle (NSCV) Capability Enhancements / ECP Development	Various	Various : Various	8.454	0.594	Jul 2023	0.510	Feb 2024	1.750	May 2025	-		1.750	Continuing	Continuing	-
Heavy Vehicle (Mine Resistant Ambush Protected Vehicle (MRAP), SO-p Mod Kit, Armored Ground Mobility System (AGMS) Capability Enhancements / ECP Development	Various	Various : Various	3.986	0.125	Mar 2023	0.600	Mar 2024	-		-		-	Continuing	Continuing	-
Joint Light Tactical Vehicle (JLTV) Capability Enhancements / ECP Development	Various	Various : Various	1.750	2.000	Dec 2022	1.000	Dec 2023	2.000	Oct 2024	-		2.000	Continuing	Continuing	-
Survivability Enhancement/ Improvement Efforts	Various	Various : Various	2.686	0.750	Mar 2023	1.000	Mar 2024	0.525	Mar 2025	-		0.525	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	0.385	-		-		-		-		-	0.000	0.385	-
Prior Year Funding - (OCO)	C/Various	Various : Various	0.725	-		-		-		-		-	0.000	0.725	-
Prior Year Funding - Congressional Add	Various	Various : Various	4.818	-		-		-		-		-	0.000	4.818	-
		Subtotal	45.754	4.792		4.925		6.275		-		6.275	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160480BB / *SOF Tactical Vehicles*	Project (Number/Name) S910 / *SOF Tactical Vehicles*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Funding	Various	Various : Various	4.051	-		-		-		-		-	0.000	4.051	-
		Subtotal	4.051	-		-		-		-		-	0.000	4.051	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Light Tactical All-Terrain Vehicle (LTATV) Developmental Test and Evaluation (DT&E) Efforts	Various	Various : Various	1.181	2.250	Jan 2023	0.503	Jan 2024	0.750	May 2025	-		0.750	Continuing	Continuing	-
NSCV DT&E Validation Efforts (Automotive, Command, Control, Communications, Computers, and Intelligence (C4I), Ballistics) Operator Events	Various	Various : Various	4.155	2.000	Jan 2023	1.500	Jan 2024	1.000	Jan 2025	-		1.000	Continuing	Continuing	-
Medium Vehicle DT&E Validation Efforts (Automotive, C4I) Operator Events	Various	Various : Various	2.334	1.500	Mar 2023	0.407	Mar 2024	0.250	Nov 2024	-		0.250	Continuing	Continuing	-
Heavy Vehicle DT&E Validation	Various	Various : Various	-	-		2.000	Mar 2024	0.750	Mar 2025	-		0.750	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	9.689	-		-		-		-		-	0.000	9.689	-
		Subtotal	17.359	5.750		4.410		2.750		-		2.750	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	67.164	10.542		9.335		9.025		-		9.025	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160480BB / *SOF Tactical Vehicles*	**Project (Number/Name)** S910 / *SOF Tactical Vehicles*

Family of Special Operations Vehicles (FOSOV) Schedule

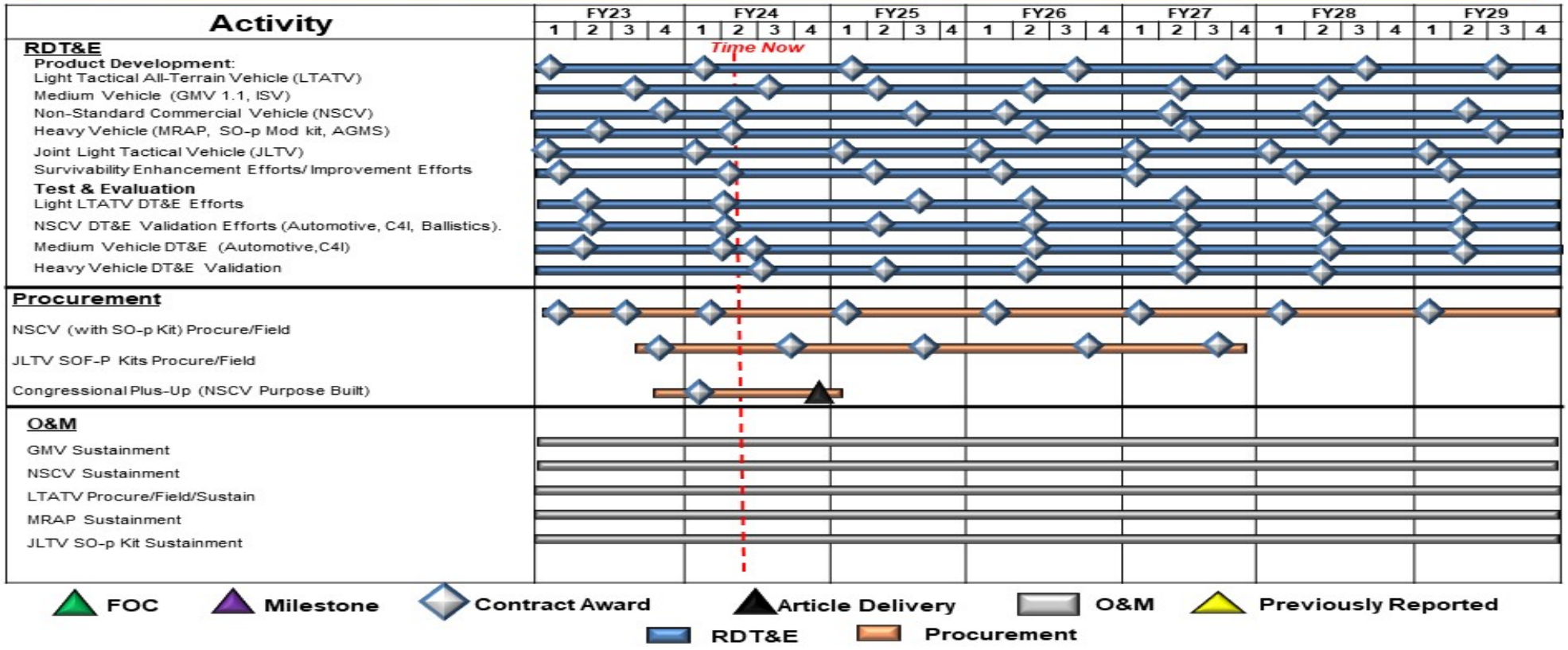

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160480BB / *SOF Tactical Vehicles*	**Project (Number/Name)** S910 / *SOF Tactical Vehicles*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Family of Special Operations Vehicles (FSOV)				
Light Tactical All-Terrain Vehicle (LTATV) Product Development	1	2023	4	2029
Medium Vehicle (Ground Mobility Vehicle 1.1, Infantry Squad Vehicle) Product Development	1	2023	4	2029
Non-Standard Commercial Vehicle (NSCV) Product Development	1	2023	4	2029
Heavy Vehicle (Mine Resistant Ambush Protected Vehicle, SO-p Mod Kit, Armored Ground Mobility System) Product Development	1	2023	4	2029
Joint Light Tactical Vehicle (JLTV) Product Development	1	2023	4	2029
Survivability Enforcement Efforts/Improvement Effort Combat Vehicles Product Development	1	2023	4	2029
LTATV Development Test & Evaluation (DT&E)	1	2023	4	2029
NSCV DT&E Validation Efforts	1	2023	4	2029
Medium Vehicle DT&E	1	2023	4	2029
Heavy Vehicle DT&E Validation	1	2023	4	2029

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*

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	705.039	109.973	158.231	210.787	-	210.787	279.589	199.955	192.444	221.981	Continuing	Continuing
S0417: *Underwater Systems*	597.042	82.822	124.672	169.864	-	169.864	186.691	130.530	132.283	153.031	Continuing	Continuing
S1684: *Surface Craft*	107.997	27.151	33.559	40.923	-	40.923	92.898	69.425	60.161	68.950	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element provides for the Engineering and Manufacturing Development (EMD) of Special Operations Forces (SOF) Surface and Undersea Mobility platforms. It also provides for pre-acquisition activities to quickly respond to new requirements for SOF surface and undersea mobility, looking at multiple alternatives to include cross-platform technical solutions, service-common solutions, Commercial-Off-The-Shelf (COTS) technologies, and new development efforts.

The Underwater Systems project provides for the EMD of combat submersibles, SOF combat diving systems, underwater support systems, and underwater equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component, prototype development, and exploitation of emerging technology opportunities to deliver enhanced capabilities) to respond to emerging requirements. This project received a Congressional Add in FY 2023 ($30.000 million), details are provided under separate cover.

The Surface Craft project provides for the EMD of all combatant craft, combatant craft mission equipment, pre-planned product improvement, and technology insertions to meet the unique requirements of SOF. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to quickly respond to new requirements for maritime craft and subsystems. The Underwater and Surface craft project's capabilities and unique equipment provide small, highly trained forces the ability to successfully engage with increased lethality while maximizing survivability of the SOF personnel and equipment.

The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA). SOF Combat Diving rapidly develops prototypes to advance diving equipment for the next generation family of systems. Development areas support SO-peculiar (SO-p) life support systems, marine environmental protection, navigation, propulsion, and communication systems which provides a fully outfitted Combat Diver.

The total cost of the Combat Diving MTA effort is $58.561 million (FY 2019 - FY 2023), including RDT&E and procurement of prototype units modernizing SOF Combat Diving equipment to deploy from all USSOCOM maritime platforms. The Combat Diving program is fully funded across the Future Years Defense Program (FDYP).

The Maritime Precision Engagement (MPE) program provides standoff, loitering, man-in-the-loop weapons systems integrated on Combatant Craft Medium and capable of targeting individuals, groups, vehicle, high value targets and small oceangoing craft with low risk of collateral damage.

The total cost of the MPE MTA effort is $38.090 million (FY 2021 - FY 2025), including RDT&E and procurement of prototype units. The MPE program is fully funded across the FYDP.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	112.645	158.231	179.852	-	179.852
Current President's Budget	109.973	158.231	210.787	-	210.787
Total Adjustments	-2.672	0.000	30.935	-	30.935
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.436	-			
• SBIR/STTR Transfer	-4.108	-			
• Adjustments to Budget Year	-	-	30.935	-	30.935

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: S0417: *Underwater Systems*		
Congressional Add: *Classified Program*	28.905	-
Congressional Add Subtotals for Project: S0417	28.905	-
Congressional Add Totals for all Projects	28.905	-

Change Summary Explanation

FY 2023: Net decrease of $2.672 million is due to a reprogramming of funds to the Congressionally mandated Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) programs ($4.108 million). Additionally, an increase for Small Unmanned Surface Vehicles (SUSV) to support program establishment and SO-p modifications.

FY 2024: None.

FY 2025: Net increase of $30.935 million supports SOF Combat Diving ($9.734 million) for EMD, testing and rapid prototyping of new SO-p underwater mixed gas breathing apparatus and the development of associated diving procedures specific to SO-p capabilities: development of Emergency Breathing Systems and diving treatment systems supporting SO-p diving deployment from maritime platforms, next generation diver propulsion equipment with integrated thermal protection increasing range and duration in the water, development of underwater communications networks of diver-to-diver communications and optical and acoustic communication systems. This increase also supports the development of equipment SOF carry-on, battery development, materiel off gassing testing and all environmental testing required for Submarine and Dry Combat Submersible carry-on integration to deploy these prototypes with all USSOCOM maritime platforms and is aligned with the 2022 National Defense Strategy supporting SOF in the strategic competition influence, distributing our maritime operations through our assured access into contested/denied regions; an increase in Small Unmanned Surface Vessel (SUSV) for SO-p modifications, Government-off-

the-Shelf (GOTS) payload and communication integration efforts to meet Special Operations Rapid Requirement Document (SORRD) requirements in FY 2025 ($2.000 million); an increase for Combatant Craft Medium (CCM) to the development of the CCM MK2 test articles to support the EMD phase ($12.000 million); a decrease in Maritime Precision Engagement (MPE) due to standing down further efforts to integrate MPE onto additional CCM MK1s and focusing on CCM MK2 integration and future production ($7.437 million); a decrease in Combatant Craft Light (CCL) due to rephasing of requirements ($2.312 million); and a decrease in Combatant Craft Mission Equipment ($0.100 million) to support emergent requirements. Additional increase details ($17.000 million) are provided under separate cover.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S0417 / *Underwater Systems*	

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
S0417: *Underwater Systems*	597.042	82.822	124.672	169.864	-	169.864	186.691	130.530	132.283	153.031	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the Engineering and Manufacturing Development (EMD) of combat underwater submersibles, Special Operations Forces (SOF) combat diving systems, underwater support systems, and underwater equipment. This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to respond to emerging requirements. These submersibles, equipment, and diving systems are used by SOF in the conduct of infiltration/extraction, personnel/material recovery, hydrographic/inland reconnaissance, beach obstacle clearance, underwater ship attack, and other missions. The capabilities of the submersible systems, diving systems, and unique equipment provides small, highly trained forces the ability to successfully engage with increased lethality while maximizing survivability of the SOF personnel and equipment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Sea, Air, and Land (SEAL) Delivery Vehicle (SDV), Program Number 848	1.251	1.092	1.114
Description: The SDV MK 11, formerly referred to as Shallow Water Combat Submersible (SWCS), provides for the design, development, and test of one Engineering Development Model (EDM) and ten production units to replace the legacy MK 8 MOD 1 SDV system. The SDV MK 11 is a free-flooding combat submersible mobility platform suitable for transporting and deploying SOF and their payloads for a variety of SOF missions. The SDV MK 11 will be deployable from a Dry Deck Shelter (DDS), surface ships, and land. The MK 11 system includes the vehicle and support equipment, comprised of Mission Support Equipment (MSE), Pack-Up Kit (PUK) to support forward deployed operations, and Transportation and Handling (T&H). It also includes integration efforts with the current DDS and development of product improvements accomplished throughout the lifecycle of the system. The SWCS effort transitioned to the SDV program beginning in FY 2022 to better align with historical terminology and material solution. The SDV is aligned to the 2022 National Defense Strategy (NDS) by providing a means for stealthy insertion and extraction, enabling the Navy to project power and conduct operations in littoral and denied areas.			
FY 2024 Plans: Continue SDV MK 11 P3I. For FY 2024, the Pre-Planned Product Improvements (P3I) enhancements focus on Power and Energy, Electro-Optical Infrared (EO/IR) sensor, and Operator Situational Awareness (OSA) and MK 11 In-Service Engineering Agent operating cost.			
FY 2025 Plans: Continues SDV MK11 P3I. P3I enhancements in FY 2025 will be focused on Power and Energy for improved ranges and endurance, and OSA with focus on Advanced Sonar Software upgrades to keep pace with evolving contested / denied undersea environments.			
FY 2024 to FY 2025 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Increase of $0.022 million supports continued Pre-Planned Product Improvement (P3I) enhancements with focus on Power and Energy for improved ranges and endurance, and Operator Situational Awareness (OSA) with focus on Advanced Sonar Software upgrades to keep pace with evolving contested / denied undersea environments.			
Title: Dry Combat Submersible (DCS), Program Number 816 ***Description:*** The DCS provides for the advanced development, engineering, manufacturing, and testing efforts for a surface launched, dry, atmosphere controlled, diver lock-in/lock-out vessel capable of inserting and extracting SOF personnel and their combat equipment into denied areas for a variety of missions. The United States Special Operations Command (USSOCOM) tested one submersible prototype to validate test methodologies, commercial classification, and the USSOCOM safety certification processes and will continue to evaluate capability enhancing technologies and reduce risk within the DCS program. This program includes funding for enhanced warfighter capabilities such as Mid-Water Column Lock-In/Lock-Out (LI/LO), de-pressurization pump, and surface host vessel interoperability, all designed to maximize deployment opportunities while improving diver safety by providing more options for LI/LO depths. The DCS supports the 2022 NDS by maintaining dominance in the undersea domain. The DCS contributes to this objective by providing a means for the Navy to operate in littoral and denied areas, where traditional submarines may face challenges. ***FY 2024 Plans:*** Continue the incorporation of P3I of DCS to include Navy submarine/grey hull interoperability, efforts to address obsolescence, and the continued insertion of Undersea Craft Mission Equipment (UCME) developed technologies. ***FY 2025 Plans:*** Continues the incorporation of P3I of DCS to include surface vessel interoperability, efforts to address obsolescence, mast and antenna development, and humidity control. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $1.492 million is due to completion of Follow-on Operational Test and Evaluation (FOT&E) and a programmatic shift to life cycle sustainment.	4.114	3.794	2.302
Title: Dry Deck Shelter (DDS) Modernization, Program Number 817 ***Description:*** The DDS provides for the P3I, testing, and integration of specialized underwater systems to meet the unique requirements of SOF, and compatibility with the submarine fleet. The current DDS is a certified diving system, which attaches to modified host submarines that provides for insertion of SOF forces and platforms. Funding supports product improvements to the current DDS, as well as associated diver equipment for in-service submarine support systems, unmanned underwater vehicles, and follow on development efforts for future SOF payloads. DDS is directly aligned with the 2022 National Defense Strategy (NDS) by enhancing the Department's ability to project power and conduct operations in contested environments and it supports	2.583	12.423	12.471

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
the sustainment of a resilient Joint Force used to deter aggression on by providing the capability to insert special operations forces and platforms in hard-to-reach areas of the world in a clandestine manner. ***FY 2024 Plans:*** Continue studies and analysis of future DDS to include concept designs, design specifications, Request for proposal development, analysis of alternatives, and efforts related to pre-milestone A. Continue development of legacy field changes necessary to extend the useful life and increase the payload capacity of six DDSs. ***FY 2025 Plans:*** Continues DDS Next generation studies and analysis to include concept designs, design specifications, request for proposal development, analysis of alternatives and efforts related to pre-milestone A. Continues development of legacy field changes necessary to extend the useful life and increase the payload capacity capabilities of six DDSs. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.048 million supports legacy DDS improvements to sustain SOF employment on U.S. Navy Host Submarines while improving performance, reliability and survivability.			
Title: SOF Combat Diving (CBDIV), Program Number 713 ***Description:*** The SOF Combat Diving program enables the delivery of special operations forces to denied or hostile areas and provides direct support the Navy's ability to conduct special operations. SOF Combat Diving rapidly develops prototypes to develop a family of systems of next generation diving equipment. Development areas support SO-peculiar (SO-p) life support systems, marine environmental protection, navigation, propulsion, and communication systems, which provides a fully outfitted Combat Diver. Continued investment in SOF Combat Diving's efficient and sustainable capabilities will allow SOF operators to continue extending their reach into contested/denied areas through propulsion and navigation improvements while increasing bottom time through improved diver climate protection. ***FY 2024 Plans:*** Continue development, prototyping, and advanced development to include testing and evaluation of environmental protection, navigation, communication, and propulsion equipment. Development, testing, and integration to support prototyping the helium and oxygen (HEO2) Underwater Breathing Apparatus (UBA). ***FY 2025 Plans:*** Continues development, prototyping and the advancement of EDM, testing and rapid prototyping of new SO-p underwater mixed gas breathing apparatus and the development of associated diving procedures specific to SO-p capabilities. Development of Emergency Breathing Systems and diving treatment systems supporting the SO-p diving deployment from USSOCOM maritime platforms, next generation diver propulsive equipment with integrated thermal protection increasing range and duration in the	3.281	4.617	14.499

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
water, Development of Underwater Communications Networks of diver-to-diver communications, and optical and acoustic communication systems of a new mixed gas Underwater Breathing Apparatus (UBA). ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $9.882 million supports the engineering, development, and manufacturing of a next generation Underwater Breathing Apparatus and associated diving table procedures as well as new diving treatment systems, battery development, and all environmental testing required for Submarine and DCS carry-on integration.			
Title: Undersea Craft Mission Equipment (UCME) ***Description:*** UCME supports the transition of maritime focused Science and Technology (S&T) efforts and provides a rapid response capability to support SOF underwater craft and diver systems, subsystems, and their emerging requirements. UCME provides technology refresh efforts to correct system deficiencies, improve asset life, and enhance mission capability to leverage and exploit emerging technologies within the maritime SOF undersea capability portfolio. UCME focuses on spearheading specific Technology Readiness Level (TRL) 6 technology for compatibility, maturity, marinization, and successful transition to the SOF undersea craft programs. ***FY 2024 Plans:*** Continue development of undersea survivability enhancements; maritime navigation technology projects; underwater and maritime domain communications; enhanced Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance/Situational Awareness (C5ISR/SA); unique power and energy capabilities; other capability enhancements and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities. Begin the second increment enhanced maritime navigation technology projects, which will continue to provide enhanced capability to Maritime programs. ***FY 2025 Plans:*** Continues FY 2024 investments and development/transition of technologies to enable assured access, in support of SOF maritime undersea technology insertion roadmap and aligned to 2022 NDS priorities. Increases emphasis on technologies to improve survivability of SOF undersea platforms. Expands collaboration with strategic partners to transition capabilities of interest. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $1.423 million for expanded investment in SOF undersea maritime survivability technologies in order to reduce susceptibility and enhance freedom of maneuver.	12.558	17.567	18.990
Title: Small Unmanned Surface Vessel (SUSV), Program Number V36 ***Description:*** The SOF SUSV program procures commercial-off-the-shelf (COTS) modular systems that house government-off-the-shelf (GOTS) payloads in accordance with Special Operations Rapid Requirements Document (SORRD). The SUSV fielding is divided into two endurance categories to address missions lasting a few days (short endurance (SE) and missions	0.956	-	2.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
lasting from months to years (long endurance (LE). The SE platforms will operate in concert with NSW Group 4 surface mobility assets and address contested logistics, enables access to contested / denied areas in the maritime domain, provides maritime special reconnaissance capabilities and reduces risk to personnel and manned platforms. The LE platforms will provide persistent maritime intelligence, surveillance, and reconnaissance (ISR). ***FY 2025 Plans:*** Continues in accordance with the rapid fielding MTA SORRD and competitive demonstration testing of short and long endurance categories. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $2.000 million supports testing and evaluation of SUSVs for competitive down select and payload integration.			
Title: Small Unmanned Underwater Vehicle (SUUV), Program Number 799 ***Description:*** MK 18 SUUV enables access to contested/denied areas in the maritime domain, provides maritime special reconnaissance capabilities and reduces risk to personnel and manned platforms. This program develops and integrates SO-peculiar (SO-p) modifications to the Service Common, MFP-2 funded, Mark 18 SUUV.	0.260	-	-
Title: Combatant Craft Light (CCL) ***Description:*** The CCL is being designed to be a small combatant craft that supports deployment of six combat equipped SOF operators and their payloads for selected missions in multiple threat environments Based on reliability concerns of previous generation CCL Low Rate Initial Production (LRIP) articles and pending requirements update, a new design and prototype effort is required for a next generation-CCL craft. Its compact form factor provides SOF with versatile mission transportability, deployment, and utility capabilities. ***FY 2024 Plans:*** Begin design efforts and prototype development for the next-generation CCL MK2. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $2.267 million is due to requirements being rephased.	-	2.267	-
Title: Classified Programs ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:***	28.914	82.912	118.488

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details of $35.576 million increase will be provided under separate cover.			
Accomplishments/Planned Programs Subtotals	53.917	124.672	169.864

	FY 2023	FY 2024
Congressional Add: Classified Program	28.905	-
FY 2023 Accomplishments: Details provided under separate cover.		
Congressional Adds Subtotals	28.905	-

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0210US: *Underwater Systems*	55.876	66.111	63.850	-	63.850	122.937	285.473	445.256	452.887	Continuing	Continuing

Remarks

D. Acquisition Strategy

• The SDV MK 11/SWCS initially used full and open competition with a down select to a single contractor to award prototype development and low-rate initial production. Sole source Justification and Approval (J&A) was approved and awarded to deliver production articles MK1106 - MK1110. Third Production contract in development for engineering services and Foreign Military Sales production with option to procure MK1111 - MK1114 to support Full Operational Capability increase to 14 MK11 articles. Sole source J&A in development with a target contract planned award early 1Q FY 2025. The full spectrum of contracting activities is being employed for P3I upgrades, using existing contracts, government agencies, and new contracts as appropriate. The SDV MK 11 is a Major Capability Acquisition (MCA), ACAT III, designated program.

• DCS leveraged full and open competition through market research to down select to a single prime contractor for 3 vessels. A Fixed Price Incentive Firm Target contract was awarded with the final vessel and Full Operational Capable (FOC) expected in FY24. DCS has been designated an MCA, ACAT IIIS program.

• The DDS is currently in sustainment through a maintenance and service contract competitively sourced in 2018 with a base year and four option periods planned to expire in 2023. The contract was extended by two years to 2025, to utilize existing labor hour ceiling on the contract. The modernization and engineering/change efforts for the six DDS in inventory are executed utilizing the existing services contract. The DDS is an MCA program.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

• The SOF Combat Diving Program has been designated a Middle Tier of Acquisition (MTA). The purpose of the MTA pathway is to rapidly develop prototypes in support of SO-peculiar Life Support Systems, Marine Environmental Protection, Navigation, Propulsion, and Communication systems. SOF Combat Diving is executed using existing contracts, government agencies, and new contracts competitively selected as appropriate.

• The UCME will use streamlined Federal Acquisition Regulation (FAR) contracting with existing or planned Indefinite Delivery, Indefinite Quantity, Blanket Order Agreement, University Affiliated Research Center, and Federally Funded Research and Development Center contracts and use Non-FAR Acquisition Authorities and Other Transaction Authority agreements, where appropriate.

• The SUSV program is designated a Middle Tier Acquisition (MTA). The goal of the MTA is to rapidly field capabilities through procurement of COTS short endurance (SE) and long endurance (LE) SUSVs with the potential to meet Special Operations Rapid Requirement Document (SORRD) requirements, then down select in a test demonstration. The SUSVs will be augmented with purpose built, modular, plug-and-play sensors/payloads that meet SO-p requirements.

• The SUUV Program will augment a Navy service-common man-portable UUV with purpose built, modular, plug-and-play sensors and payloads to meet SOF requirements.

• The next-generation CCL initial requirements definition, design, and prototyping are anticipated to be sole source. The USSOCOM will evaluate limited competition for follow-on production contingent on cost tradeoffs and completeness of technical data.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S0417 / *Underwater Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SEAL Delivery Vehicle (SDV)/Shallow Water Combat Submersible Engineering Changes / Tech Insertions/Pre-Planned Product Improvements	C/Various	Various : Various	6.892	1.251	Jan 2023	1.092	Mar 2024	1.114	Jan 2025	-		1.114	Continuing	Continuing	-
Dry Combat Submersible (DCS) Enhancements / Pre-Planned Product Improvement (P3I) Changes	C/Various	Battelle : Various	27.024	3.434	Nov 2022	3.000	Nov 2023	1.752	Jan 2025	-		1.752	Continuing	Continuing	-
Dry Deck Shelter (DDS) Field Changes/ Enhancements	C/Various	Various : Various	2.167	2.316	Jan 2023	11.830	Jan 2024	11.867	Jan 2025	-		11.867	Continuing	Continuing	-
Special Operations Forces (SOF) Combat Diving - Life Support	Various	Various : Various	-	0.455	Feb 2023	1.350	Mar 2024	4.546	Mar 2025	-		4.546	Continuing	Continuing	-
SOF Combat Diving - Maritime Environmental Protection	Various	Various : Various	11.100	0.295	Feb 2023	0.250	Mar 2024	0.656	Feb 2025	-		0.656	Continuing	Continuing	-
SOF Combat Diving - Diver Navigation	Various	Various : Various	-	0.105	Feb 2023	0.357	Mar 2024	1.224	Dec 2024	-		1.224	Continuing	Continuing	-
SOF Combat Diving - Diver Propulsion	Various	Various : Various	-	0.537	Feb 2023	0.311	Mar 2024	1.450	Mar 2025	-		1.450	Continuing	Continuing	-
SOF Combat Diving - Diver Communication	Various	Various : Various	-	0.554	Feb 2023	0.659	Mar 2024	2.053	Feb 2025	-		2.053	Continuing	Continuing	-
Undersea Craft Mission Equipment (UCME) Enhanced Maritime Navigation	C/Various	Various : Various	-	1.150	Nov 2022	1.650	Nov 2023	1.650	Nov 2024	-		1.650	Continuing	Continuing	-
UCME Enhanced Maritime Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance,	C/Various	Various : Various	-	2.384	Nov 2022	6.365	Nov 2023	3.365	Nov 2024	-		3.365	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S0417 / *Underwater Systems*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
and Reconnaissance/ Situational Awareness (C5ISR/SA)															
UCME SOF Maritime Survivability	C/Various	Various : Various	-	3.587	Nov 2022	3.510	Nov 2023	6.933	Nov 2024	-		6.933	Continuing	Continuing	-
UCME SOF Maritime Power and Energy	C/Various	Various : Various	-	3.534	Nov 2022	3.534	Nov 2023	5.534	Nov 2024	-		5.534	Continuing	Continuing	-
UCME Other Assured Access Technologies	C/Various	Various : Various	-	1.108	Nov 2022	2.108	Nov 2023	1.108	Nov 2024	-		1.108	Continuing	Continuing	-
Small Unmanned Surface Vessel (SUSV)	C/Various	Various : Various	-	0.956	Apr 2023	-		2.000	Mar 2025	-		2.000	Continuing	Continuing	-
Small Unmanned Underwater Vehicle (SUUV)	C/Various	Various : Various	-	0.260	Mar 2023	-		-		-		-	Continuing	Continuing	-
Combatant Craft Light (CCL) Requirements Integration, Redesign and Prototype Planning	C/Various	Various : Various	-	-		2.267	Mar 2024	-		-		-	Continuing	Continuing	-
Classified Program	C/TBD	TBD : TBD	11.868	21.965		66.736		107.680		-		107.680	Continuing	Continuing	-
Classified Program Congressional Add	C/TBD	TBD : TBD	-	28.905		-		-		-		-	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	407.448	-		-		-		-		-	0.000	407.448	-
Prior Year Funding (Congressional Add)	C/Various	Various : Various	29.530	-		-		-		-		-	0.000	29.530	-
		Subtotal	496.029	72.796		105.019		152.932		-		152.932	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Funding	Various	Various : Various	9.094	-		-		-		-		-	0.000	9.094	-
		Subtotal	9.094	-		-		-		-		-	0.000	9.094	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S0417 / *Underwater Systems*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCS Developmental/ Operational Test and Evaluation	C/Various	Various : Various	32.591	0.650	Dec 2022	-		0.520	Dec 2025	-		0.520	Continuing	Continuing	-
SOF Combat Diving Developmental Test and Evaluation	Various	Various : Various	3.790	1.129	Oct 2022	1.505	Oct 2023	4.220	Oct 2024	-		4.220	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	13.809	-		-		-		-		-	0.000	13.809	-
		Subtotal	50.190	1.779		1.505		4.740		-		4.740	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCS	Various	Apogee : Tampa, FL	23.542	0.030	Sep 2023	0.794	Jun 2024	0.030	Jun 2025	-		0.030	Continuing	Continuing	-
DDS	Various	NAVSEA : Washington, DC	2.872	0.267	Jan 2022	0.593	Dec 2023	0.604	Dec 2024	-		0.604	Continuing	Continuing	-
SOF Combat Diving	C/Various	Apogee : Tampa, FL	0.901	0.206	Aug 2023	0.185	Aug 2024	0.350	Aug 2025	-		0.350	Continuing	Continuing	-
UCME	C/Various	Various : Various	1.683	0.795	Dec 2022	0.400	Jun 2024	0.400	Nov 2024	-		0.400	Continuing	Continuing	-
Classified Program	TBD	TBD : TBD	3.400	6.949		16.176		10.808		-		10.808	Continuing	Continuing	-
Prior Year Funding	Various	Various : Various	9.331	-		-		-		-		-	0.000	9.331	-
		Subtotal	41.729	8.247		18.148		12.192		-		12.192	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	597.042	82.822		124.672		169.864		-		169.864	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

SEAL Delivery Vehicle (SDV) Schedule

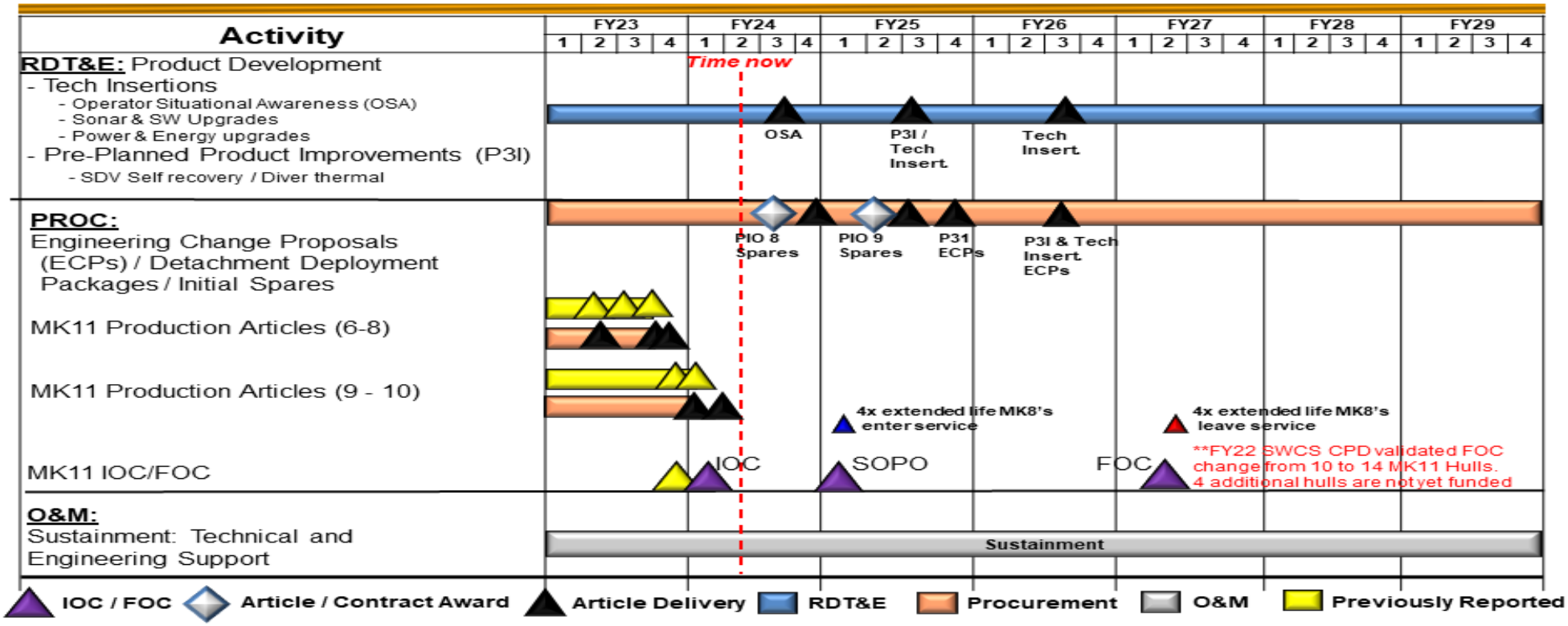

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Dry Combat Submersible (DCS) Schedule

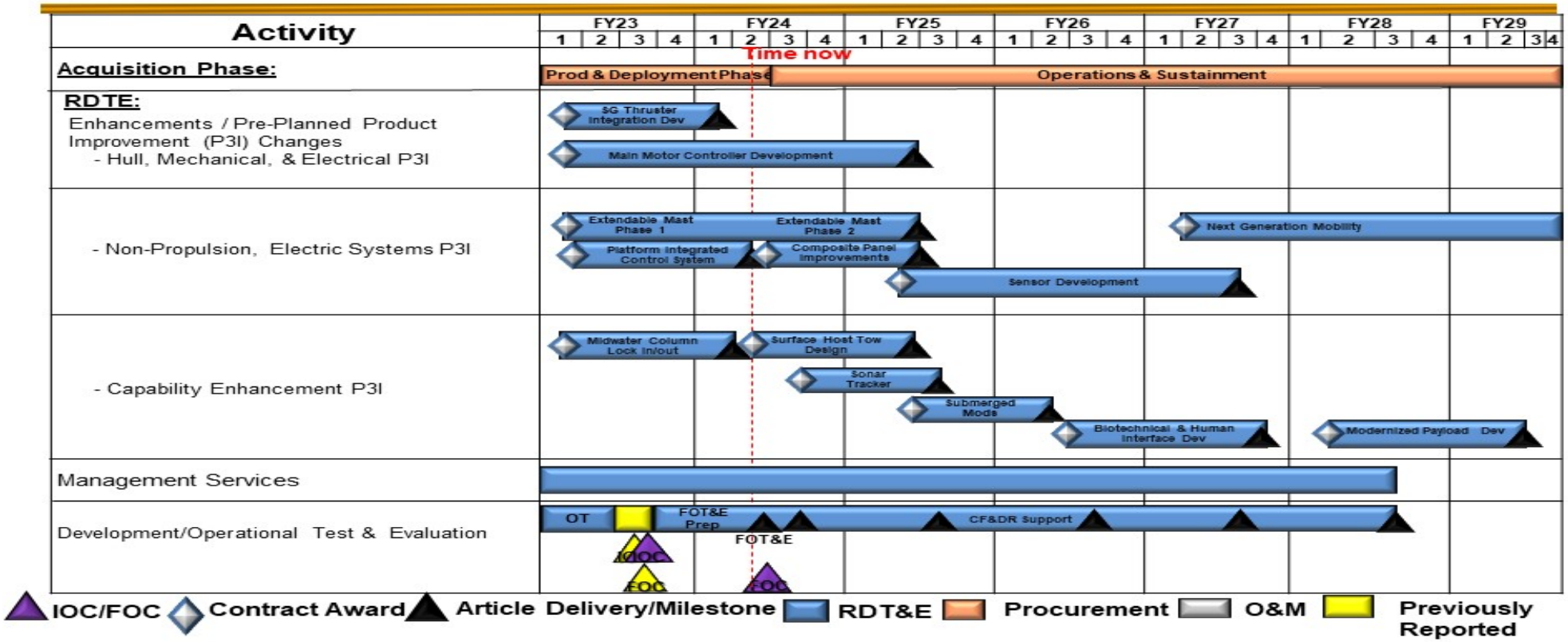


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

DCS Schedule, cont.

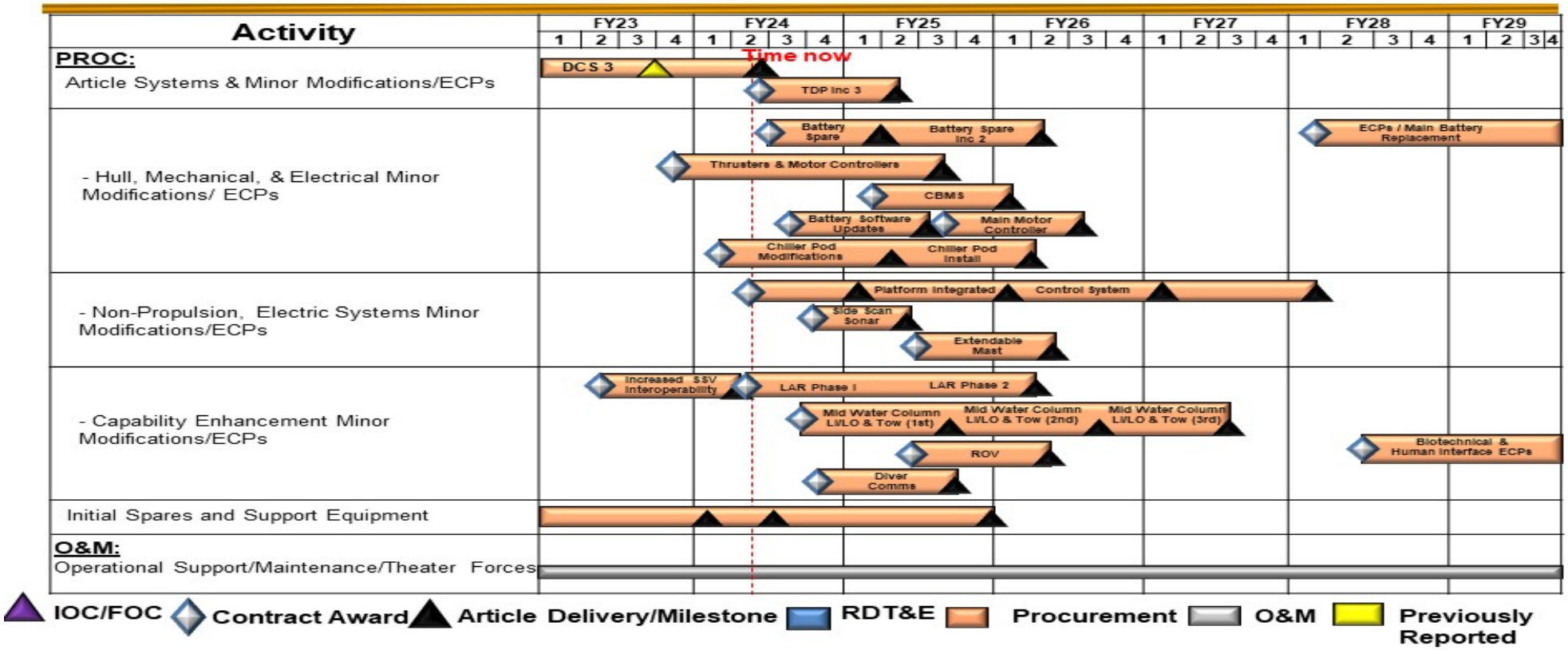


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Dry Deck Shelter (DDS) Schedule

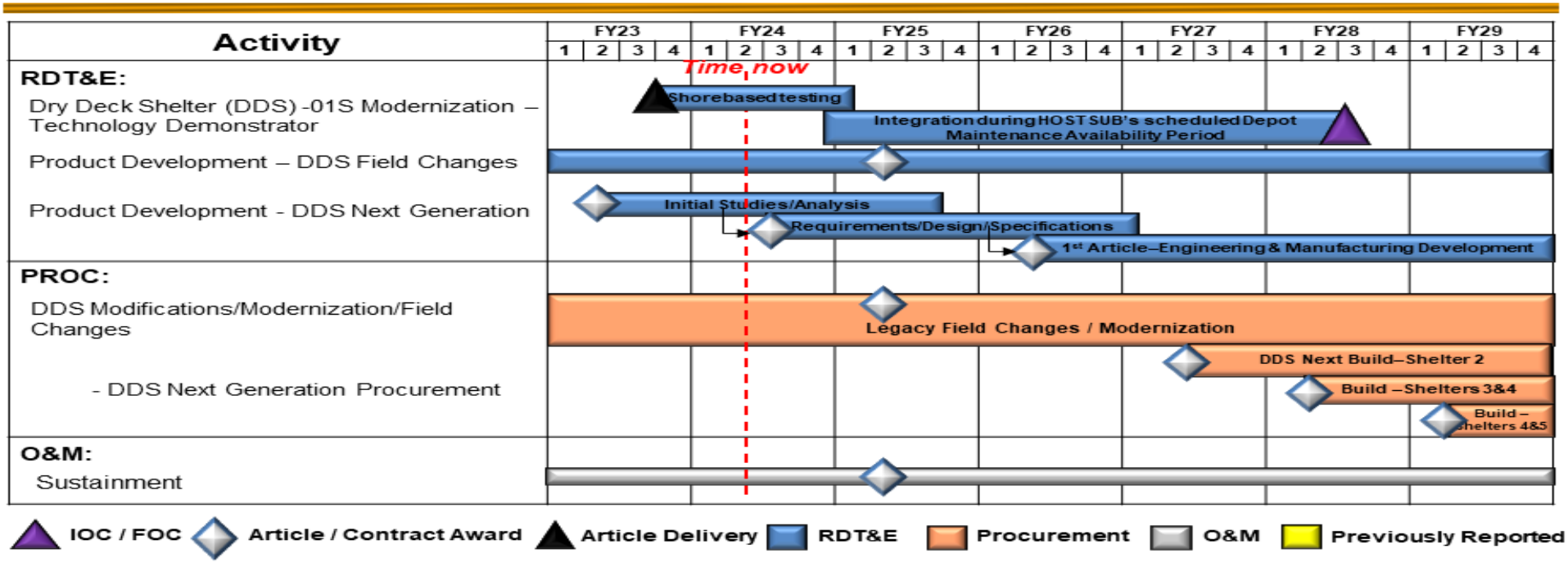


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

SOF Combat Diving (CBDIV) Schedule

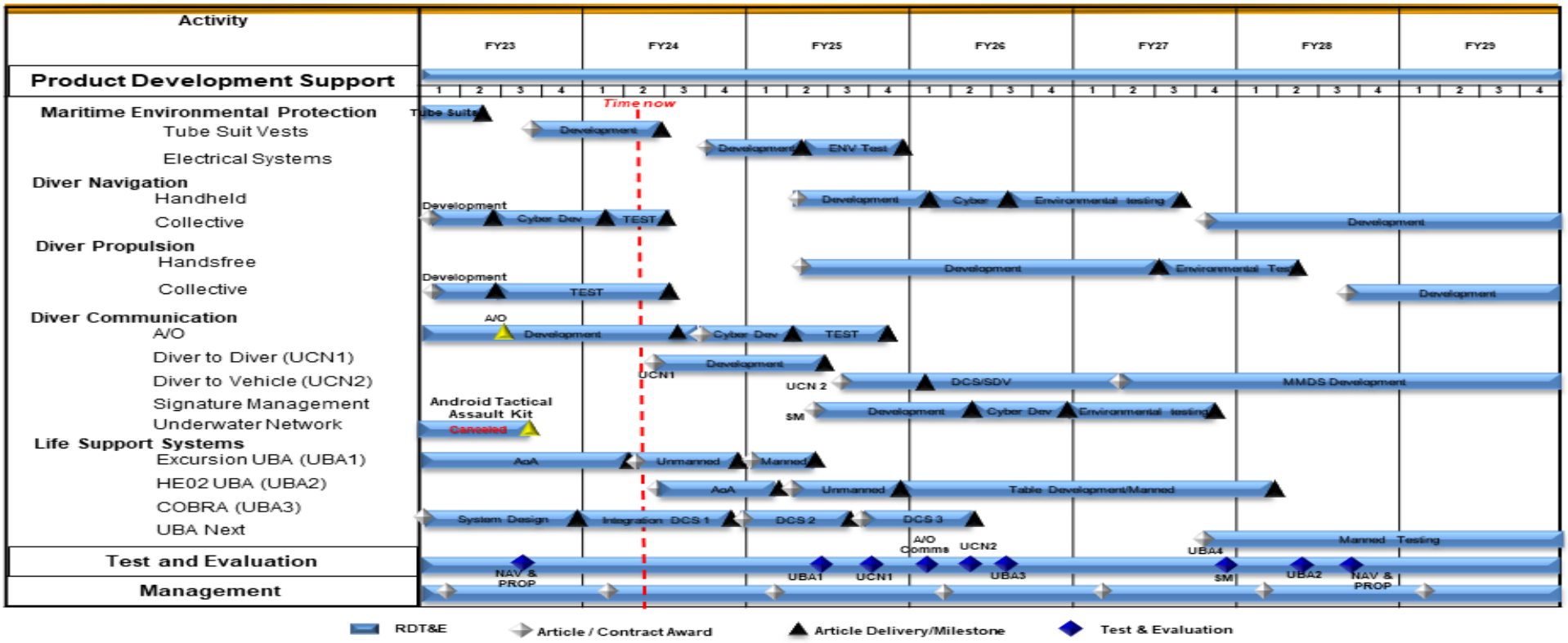


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

SOF Combat Diving (CBDIV) Schedule, cont.

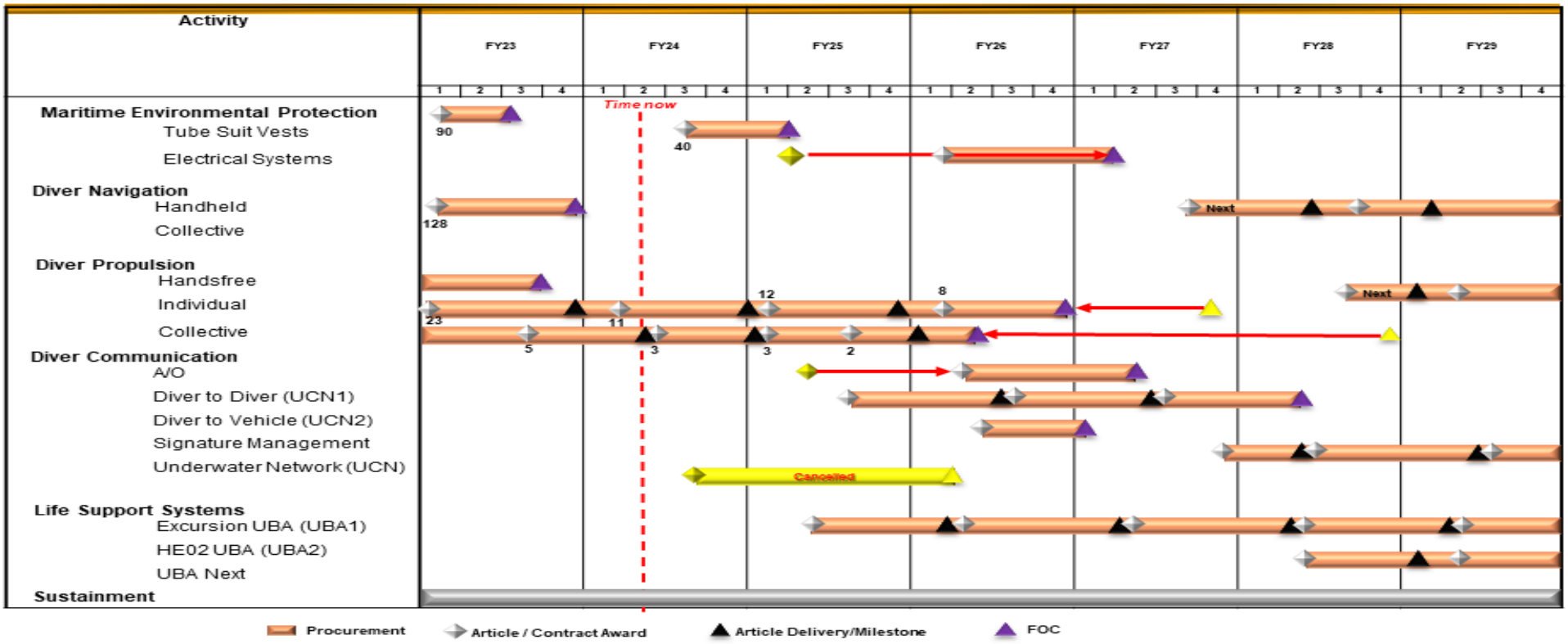


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Undersea Craft Mission Equipment (UCME) Schedule

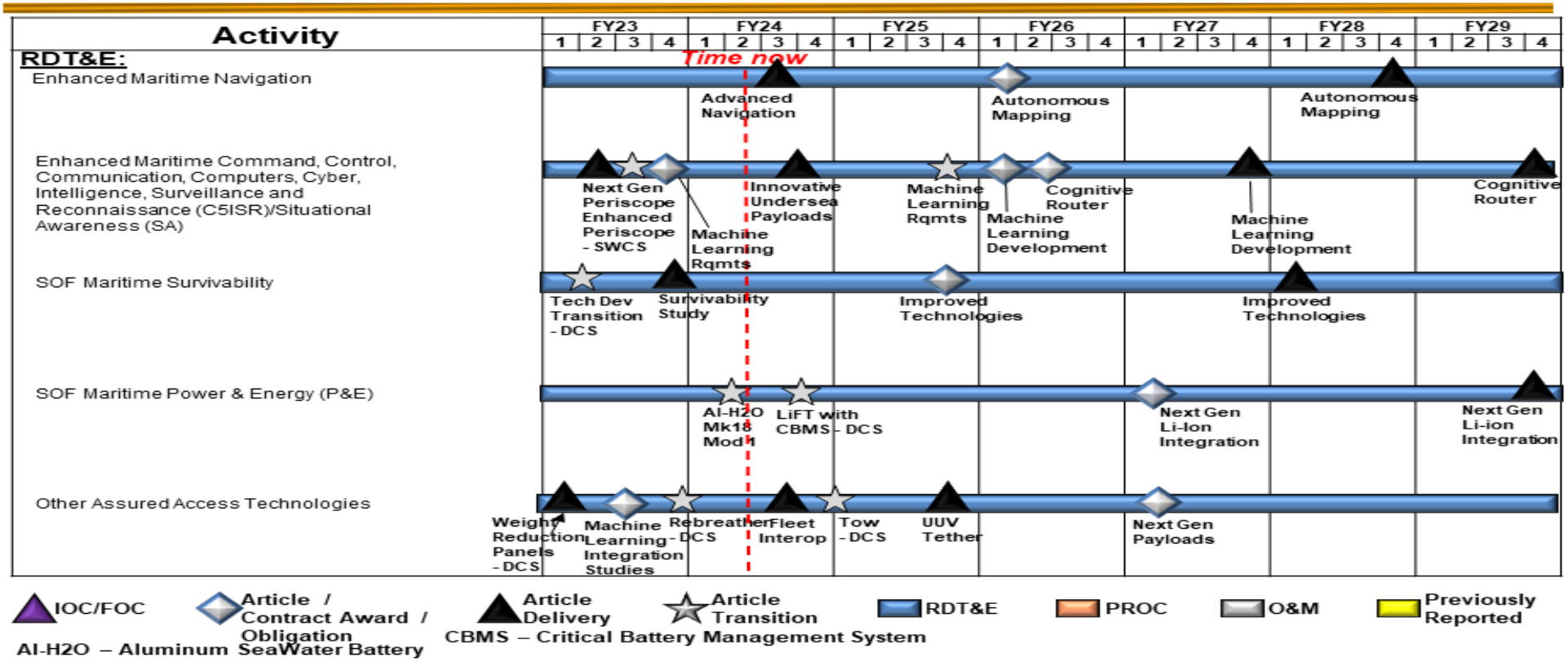


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Small Unmanned Surface Vessel (SUSV) Schedule

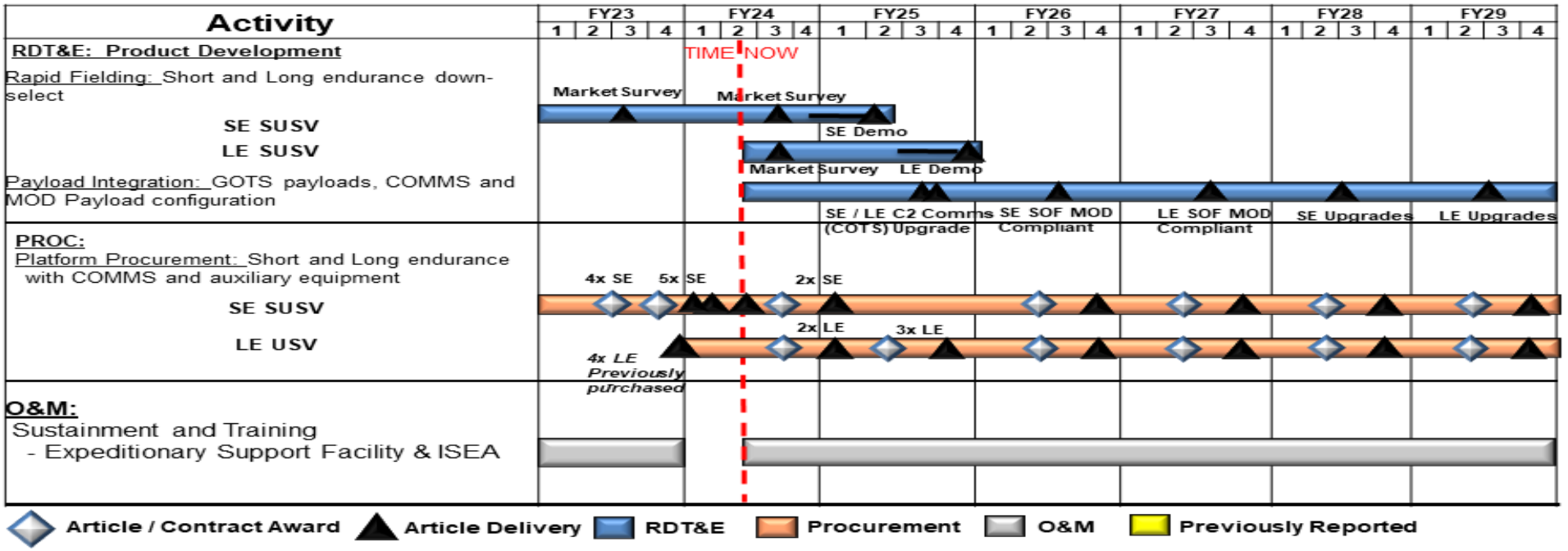


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Small Unmanned Underwater Vehicle (SUUV) Schedule

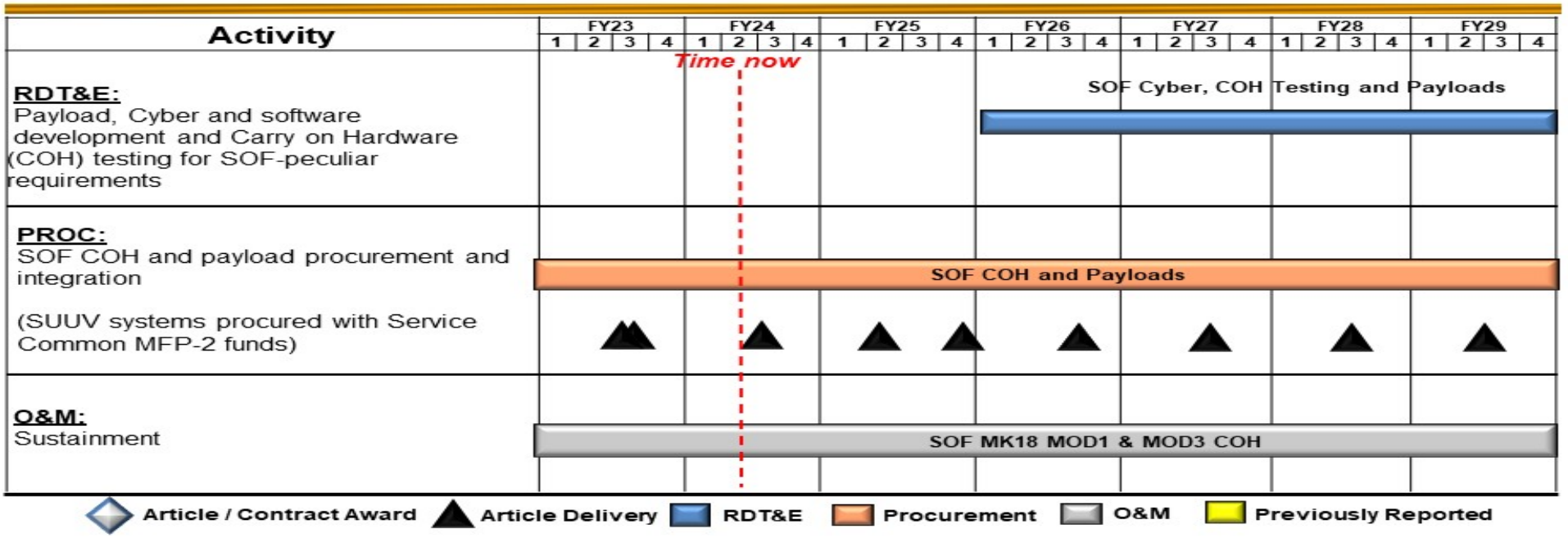
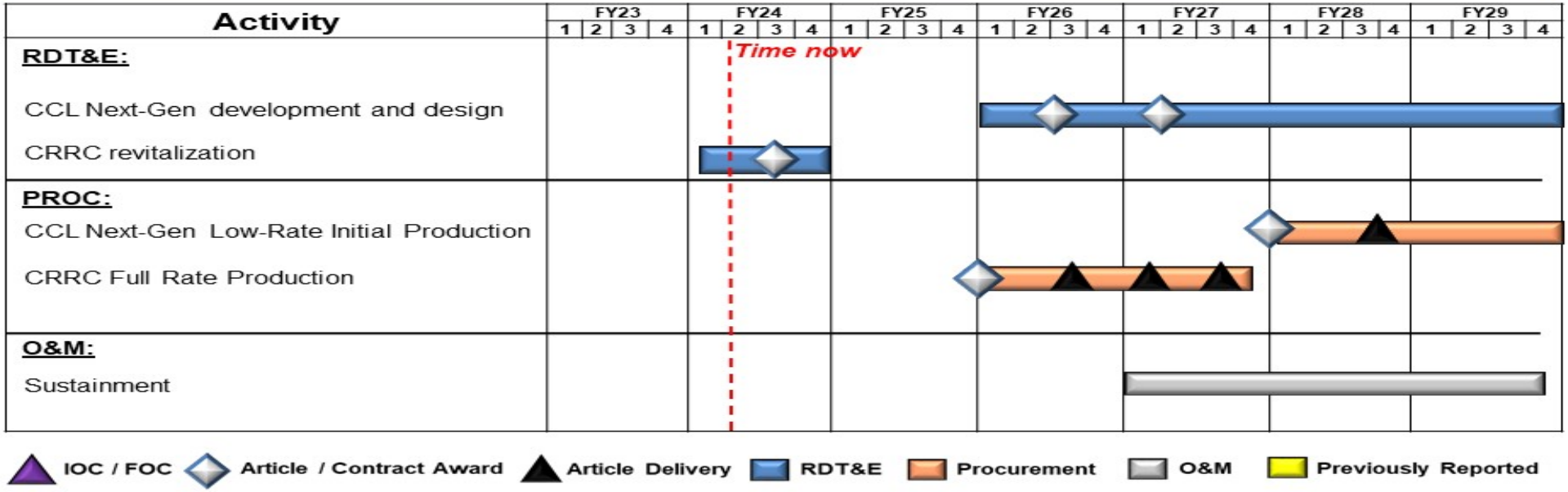


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Combatant Craft Light (CCL) Schedule



CRRC = Combat Rubber Raiding Craft

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SEAL Delivery Vehicle (SDV)				
Engineering Changes/Technology Insertions/Pre-planned Product Improvements (P3I)	1	2023	4	2029
Dry Combat Submersibles (DCS)				
Enhancements/P3I	1	2023	4	2029
Operational Test and Evaluation	1	2023	3	2028
Dry Deck Shelter Modernization (DDS)				
DDS Modernization/Field Changes Product Development	1	2023	4	2029
DDS Next Product Development	2	2023	4	2029
Special Operation Forces (SOF) Combat Diving				
Life Support Systems Rapid Prototyping, Test, and Integration	1	2023	4	2029
Maritime Environmental Protection Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Navigation Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Propulsion Rapid Prototyping, Test, and Integration	1	2023	4	2029
Diver Communication Rapid Prototyping, Test, and Integration	1	2023	4	2029
Undersea Craft Mission Equipment (UCME)				
Enhanced Maritime Navigation	1	2023	4	2029
Enhanced Maritime Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR)/Situational Awareness	1	2023	4	2029
SOF Maritime Survivability	1	2023	4	2029
SOF Maritime Power & Energy (P&E)	1	2023	4	2029
Other Assured Access Technologies	1	2023	4	2029
Small Unmanned Surface Vessel (SUSV)				

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S0417 / *Underwater Systems*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Platform integration: Government off the Shelf (GOTS) payloads, COMMS and MOD Payload configuration	1	2025	4	2029
Small Unmanned Underwater Vehicle (SUUV)				
Payload, Cyber and Software Development and Carry On Hardware (COH) Testing for SO-p requirements	1	2026	4	2029
Combatant Craft Light (CCL)				
CCL Next-Gen development and design	1	2026	4	2029
CRRC Revitalization	1	2024	4	2026

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S1684 / *Surface Craft*	

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
S1684: *Surface Craft*	107.997	27.151	33.559	40.923	-	40.923	92.898	69.425	60.161	68.950	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project provides for the Engineering and Manufacturing Development (EMD) of combatant craft, combatant craft mission equipment, Pre-Planned Product Improvement (P3I), and technology insertion to meet the unique requirements of Special Operations Forces (SOF). This project also provides for pre-acquisition activities (materiel solutions analysis, advanced component development and prototypes) to quickly respond to new requirements for maritime craft and subsystems, leading to increased lethality and survivability of personnel and equipment. The craft capabilities and unique equipment provide small, highly trained forces the ability to successfully conduct operations associated with SOF maritime missions.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Combatant Craft Medium (CCM), Program Number 818	3.769	6.745	18.683
Description: The CCM is Naval Special Warfare's (NSW's) craft-of-choice for long-range, high-payload SOF mobility operations in contested environments. The CCM is a semi-enclosed, multi-mission combatant craft for platoon-size maritime operations in maritime contested environments. The CCM supports a variety of missions, to include Maritime Interdiction, Insert/Extract, and Visit, Board, Search, and Seizure (VBSS) Operations. The CCM capabilities provide: 40 knot (kt) speed; 4 crew + 19 passengers (pax)/10,000-pound (lb) payload; and 600 nautical miles (nm) range. The CCM payload capacity enables inclusion of shock mitigating seats for the piloting team, which is critical for ride quality, operator tactical readiness, and operator health. At 60 feet long, CCM is C-17/C-5 transportable and can launch/recover by well deck of a grey hull or shore-based trailer. The CCM is aligned with the 2022 National Defense Strategy (NDS) imperatives to enhance maritime security through patrols and surveillance missions, and its speed and agility combined with mobility enables rapid response and supports distributed Maritime operations when required. Continued investment in this craft ensures efficient and sustainable capabilities which establish our competitive advantage, enable assured access in contested maritime environments, and posture SOF and the Joint Force to meet challenges of persistent transboundary threats and future operating environments. Additionally, this platform provides access into contested areas to enable effects that may have previously required support from the Submarine Force, ensuring that NSW can continue supporting the joint fires plans even with an asset constrained submarine force.			
FY 2024 Plans: Continue development and testing of Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) capabilities. Begin development of service life enhancing capabilities and analysis and studies for the development of CCM Mk2.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Begins Engineering and Manufacturing Development (EMD) Phase for the CCM Mk2. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $11.938 million supports continued CCM Mk2 design efforts, Critical Design Review, and development of the production representative article for the CCM Mk2 EMD Phase.			
Title: Combatant Craft Heavy (CCH), Program Number 819 ***Description:*** The CCH provides platoon-size maritime surface mobility. The current CCH is formerly known as the Sea, Air, Land Insertion, Observation and Neutralization (SEALION) craft. The CCH is a fully-enclosed, climate-controlled, semi-submersible craft that operates in contested environments. The CCH is NSW's most versatile and survivable combatant craft and the craft of-choice for sensitive maritime intelligence, surveillance, and reconnaissance missions. CCH capabilities: 40 kt speed; 7 crew + 12 pax / 3,300 lb payload; and 400 nm range. The CCH payload capacity enables inclusion of shock mitigating seats for the piloting team, which is critical for ride quality, operator tactical readiness, and operator health. At 77+ feet long, the CCH is C-17/ C-5 transportable and can launch/recover by gray hull well deck, shore based mobile travel lift, or crane. The CCH is aligned with the 2022 NDS imperatives to support SOF in the realm of strategic competition and provide regional presence and deterrence. By deploying these craft, NSW can demonstrate the U.S. military's commitment to allies and partners, deter potential adversaries, and respond rapidly to emerging threats. This aligns with the strategy's emphasis on maintaining a credible deterrent posture and strengthening alliances and partnerships. Continued investment in this craft ensures efficient and sustainable capabilities which establish our competitive advantage, enable assured access in contested maritime environments, and posture SOF and the Joint Force to meet challenges of persistent transboundary threats and future operating environments. Additionally, this platform provides access into contested areas to enable effects that may have previously required support from the Submarine Force, ensuring that NSW can continue supporting the joint fires plans even with an asset constrained submarine force. ***FY 2024 Plans:*** Continue development and integration of C5ISR/SA and survivability enhancements. ***FY 2025 Plans:*** Continues development and integration of C5ISR/SA and survivability enhancements. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.020 million supports continued development and integration of C5ISR/SA and survivability enhancements.	3.608	0.975	0.995
Title: Combatant Craft Mission Equipment (CCME) ***Description:*** CCME supports the transition of Maritime focused Science and Technology (S&T) efforts and provides a rapid response capability to support SOF combatant craft systems, subsystems, and their emerging requirements. CCME also provides technology refresh efforts to correct system deficiencies, improve asset life, and enhance mission capability to leverage and exploit emerging technologies within the maritime SOF surface capability portfolio. CCME focuses on enhancing both existing and	7.566	8.095	8.164

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
future technologies at Technology Readiness Level (TRL) 6 for compatibility, maturity, and design for the marine environment, with the primary objective of successful technology transitions to SOF combatant craft Programs of Record. ***FY 2024 Plans:*** Continue evaluation and development of surface survivability enhancements; enhanced C5ISR/SA capabilities; unique power and energy capabilities such as hybrid electric propulsion; Alternative Positioning, Navigation, and Timing (APNT); and enabling technologies for assured access and building enduring advantage, aligning to the 2022 NDS priorities. Begin a new maritime survivability radar countermeasures effort. ***FY 2025 Plans:*** Continues ALTPNT capability development; continues development of the Mission Management System which will integrate current and future system displays into one software suite; begins unique power and energy capabilities such as hybrid electric propulsion; begins Artificial Intelligence/Machine Learning (AI/ML) data collection study to provide future enhancement to surface crafts; begins Small Unmanned Surface vehicles (USV) and Unmanned Systems (UxS) sensor/payload integration; continues studies to enhance craft survivability. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.069 million is due to a new Enhanced Maritime Navigation effort providing imperative ALTPNT data for GPS denied environments.			
Title: Combatant Craft Assault (CCA), Program Number 820 ***Description:*** The CCA is a combatant craft for squad-size maritime mobility operations in contested environments. The CCA is NSW's best craft for Visit, Board, Search, Seizure operations because of open deck space, maneuverability, and interoperability with an Afloat Forward Staging Base. CCA Capabilities: 40 kt speed; 5 crew + 10 pax/5,000 lb payload; and 300 nm range. At 41 feet long, the CCA is air transportable by C-130/C-17/C-5 and can launch/recover by crane, well deck, or shore-based trailer. The CCA program adheres to the objectives of the 2022 NDS by accelerating its advantageous technology to the operating forces and enhances maritime security through patrols and surveillance missions; its speed and agility combined with mobility enables rapid response and supports distributed Maritime operations. ***FY 2024 Plans:*** Continue development, integration, and testing of the Joint Threat Warning System (JTWS) and the Maritime Tactical Mission Networking (MTMN). ***FY 2025 Plans:*** Continuing development, integration, and testing of MTMN and modernization efforts to reduce operational risk and ensure agility. ***FY 2024 to FY 2025 Increase/Decrease Statement:***	0.914	2.007	1.732

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Decrease of $0.275 million is due to the divestiture of JTWS development.			
Title: Maritime Precision Engagement (MPE), Program Number 671 ***Description:*** The MPE is a standoff, loitering, man-in-the-loop weapons systems deployed on combatant craft and capable of targeting individuals, groups, vehicles, high value targets, and small oceangoing craft with low collateral damage. The MPE consists of combatant craft alterations and munition launcher systems. This program integrates kinetic and non-kinetic effects employed by SOF Combatant Craft to enable assured access in contested maritime environments and aligns with the 2022 NDS supporting strategic competition influence through Integrated Deterrence and building enduring competitive technological advantages for the future Joint Force. ***FY 2024 Plans:*** Continue development of craft modifications and operator control station to produce a fully integrated operational capability. Complete development of the CCM A-kit modifications and testing in preparation for transition to production. Complete development of the munition launcher B-kit to refine the EDM-2 MPE launcher. Accelerate completion of developmental testing and operational assessment. Continue planned product improvements. ***FY 2025 Plans:*** Complete integrated development testing, and system demonstration event. Continue with engineering support to establish baseline and configuration management control. Develop the final, Baseline 3, Technical Data Package (drawings) for CCM MK2 ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease of $7.400 million is due to directed shift of CCM MK1 integration to CCM MK2 future production.	10.716	10.125	2.725
Title: Special Operations Craft Riverine (SOCR), Program Number 821 ***Description:*** The SOCR is an aluminum-hull mobility platform for use in riverine and littoral areas for short range insertion of SOF in low to medium threat environments and is C-130 transportable. The SOCR adheres to the objectives of the 2022 NDS by supporting the Regional Presence and Deterrence missions, demonstrating the U.S. military's commitment to allies and partners, deter potential adversaries, and respond rapidly to emerging threats. ***FY 2024 Plans:*** Continue development and testing of C5ISR capabilities [Comms Box and Next-Gen Combatant Craft Forward Looking Infrared (CCFLIR)] and continue to conduct pre-award preliminary studies for next generation SOF riverine craft to include (Next-Gen) hybrid electric propulsion options. Begin study for Next-Generation Riverine capability. ***FY 2025 Plans:***	0.578	0.612	0.624

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continues development and testing of C5ISR capabilities (Comms Box, Tactical Operations Center Network (TOCNET) and SEAFLIR) and craft armor replacement. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase of $0.012 million supports development of SOCR armor upgrade testing due to obsolescence of current craft armor.			
Title: Classified Program ***Description:*** Details provided under separate cover. ***FY 2024 Plans:*** Details provided under separate cover. ***FY 2025 Plans:*** Details provided under separate cover. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Details for increase of $3.000 million provided under separate cover.	-	5.000	8.000
Accomplishments/Planned Programs Subtotals	27.151	33.559	40.923

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PROC/0204SCCS: *Combatant Craft Systems*	94.598	55.064	66.455	-	66.455	41.541	96.209	98.868	91.389	Continuing	Continuing

Remarks

N/A

D. Acquisition Strategy

• The CCM MK1 was a two-phase source selection process. Phase I involved a Small Business Set-Aside competition for two vendors to design, build and deliver test articles. Phase II selected a single vendor to provide a fully integrated baseline craft system for test and evaluation with options for production, engineering support, and contractor logistics support. The CCM Mk2 will employ government engineering expertise and lessons learned to develop and field an evolutionary NSW combatant craft. The CCM program is utilizing the Major Capability Acquisition (MCA) pathway.

• The CCH SEALION I & II were transitioned from United States Navy advanced technology demonstrator craft to the USSOCOM. Sustainment for the CCH I, II, and III is conducted via Special Operations Forces Support Activity. The CCH is utilizing the MCA pathway.

Exhibit R-2A, RDT&E Project Justification: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

• The CCME will use streamlined Federal Acquisition Regulation (FAR) contracting with existing or planned Indefinite Delivery, Indefinite Quantity (IDIQ), Basic Ordering Agreement (BOA), University Affiliated Research Center (UARC), and Federally Funded Research and Development Center contracts and use Non-FAR Acquisition Authorities and Other Transaction Authority agreements and Military Interdepartmental Purchase Requests, where appropriate.

• The CCA will continue to develop, test, and integrate Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance (C5ISR) capability enhancements required to increase the craft performance characteristics, reliability, and survivability. Exercised ordering period four of the five-year IDIQ contract supporting Capital Equipment Replacement Program. The CCA is utilizing the MCA pathway.

• The MPE will employ government engineering expertise and lessons learned to develop a common launch system for NSW combatant craft. A small quantity of initial production units will be procured through Naval Surface Warfare Center (Dahlgren), and the production decision for the remaining units will be based on the quantities identified in the validated CCM Mk2 requirement document. The MPE is designated a MTA program which uses the rapid fielding pathway.

• The SOCR will continue development and testing of C5ISR capabilities and continue the development, testing and integration of replacement craft armor. The SOCR utilizes the MCA pathway.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Combatant Craft Medium (CCM) Survivability Test and Evaluation	MIPR	NSW Carderock Combatant Craft Division : Norfolk, VA	-	1.758	Oct 2022	3.600	Apr 2024	2.000	Apr 2025	-		2.000	Continuing	Continuing	-
CCM Environmental Enclosure Kit	MIPR	NAVSEA : Washington D.C.	-	2.011	Nov 2022	-		-		-		-	0.000	2.011	-
CCM MK2 Design	SS/TBD	Various : Various	-	-		3.145	Apr 2024	4.000	Oct 2024	-		4.000	Continuing	Continuing	-
CCM Mk2 Development	C/Various	Various : Various	-	-		-		12.683	Jul 2025	-		12.683	Continuing	Continuing	-
Combatant Craft Heavy (CCH)	C/Various	Various : Various	12.691	3.608	Jan 2023	0.975	Jan 2024	0.995	Jan 2024	-		0.995	Continuing	Continuing	-
Combatant Craft Mission Equipment (CCME) Enhanced Maritime Navigation	C/Various	Various : Various	-	1.326	Nov 2022	1.742	Nov 2023	1.824	Nov 2024	-		1.824	Continuing	Continuing	-
CCME Enhanced Maritime C5ISR/Situational Awareness (SA)	C/Various	Various : Various	-	1.263	Nov 2022	0.810	Nov 2023	0.860	Nov 2024	-		0.860	Continuing	Continuing	-
CCME SOF Maritime Survivability	C/Various	Various : Various	-	3.405	Nov 2022	4.100	Nov 2023	4.000	Nov 2024	-		4.000	Continuing	Continuing	-
CCME SOF Maritime Power and Energy	C/Various	Various : Various	-	0.785	Nov 2022	0.656	Nov 2023	0.689	Nov 2024	-		0.689	Continuing	Continuing	-
CCME Other Assured Access Technologies	C/Various	Various : Various	-	0.787	Nov 2022	0.787	Nov 2023	0.791	Nov 2024	-		0.791	Continuing	Continuing	-
Combatant Craft Assault (CCA) Pre-Planned Product Improvement	C/Various	Various : Various	5.636	0.914	Nov 2022	2.007	Jan 2024	1.732	Mar 2025	-		1.732	Continuing	Continuing	-
Maritime Precision Engagement (MPE)	C/Various	NSWC : Dahlgren, VA	29.059	10.458	Dec 2022	9.855	Dec 2023	2.440	Dec 2024	-		2.440	Continuing	Continuing	-
Special Operations Craft Riverine (SOCR)	C/Various	Various : Various	-	0.578	Mar 2023	0.612	Mar 2024	0.624	Feb 2025	-		0.624	Continuing	Continuing	-
Classified Program	TBD	TBD : TBD	-	-		3.250		6.000		-		6.000	Continuing	Continuing	-
Prior Year Costs	C/Various	Various : Various	53.014	-		-		-		-		-	0.000	53.014	-
		Subtotal	100.400	26.893		31.539		38.638		-		38.638	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 United States Special Operations Command			Date: March 2024
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1160483BB / *Maritime Systems*	Project (Number/Name) S1684 / *Surface Craft*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Costs	C/Various	Various : Various	3.646	-		-		-		-		-	0.000	3.646	-
		Subtotal	3.646	-		-		-		-		-	0.000	3.646	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MPE	C/Various	Various : Various	0.617	0.258	Dec 2022	0.270	Dec 2023	0.285	Dec 2024	-		0.285	Continuing	Continuing	-
Classified Program	C/Various	TBD : TBD	-	-		1.750		2.000		-		2.000	Continuing	Continuing	-
Prior Year Costs	C/Various	Various : Various	3.334	-		-		-		-		-	0.000	3.334	-
		Subtotal	3.951	0.258		2.020		2.285		-		2.285	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	107.997	27.151		33.559		40.923		-		40.923	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Combatant Craft Medium (CCM) Schedule

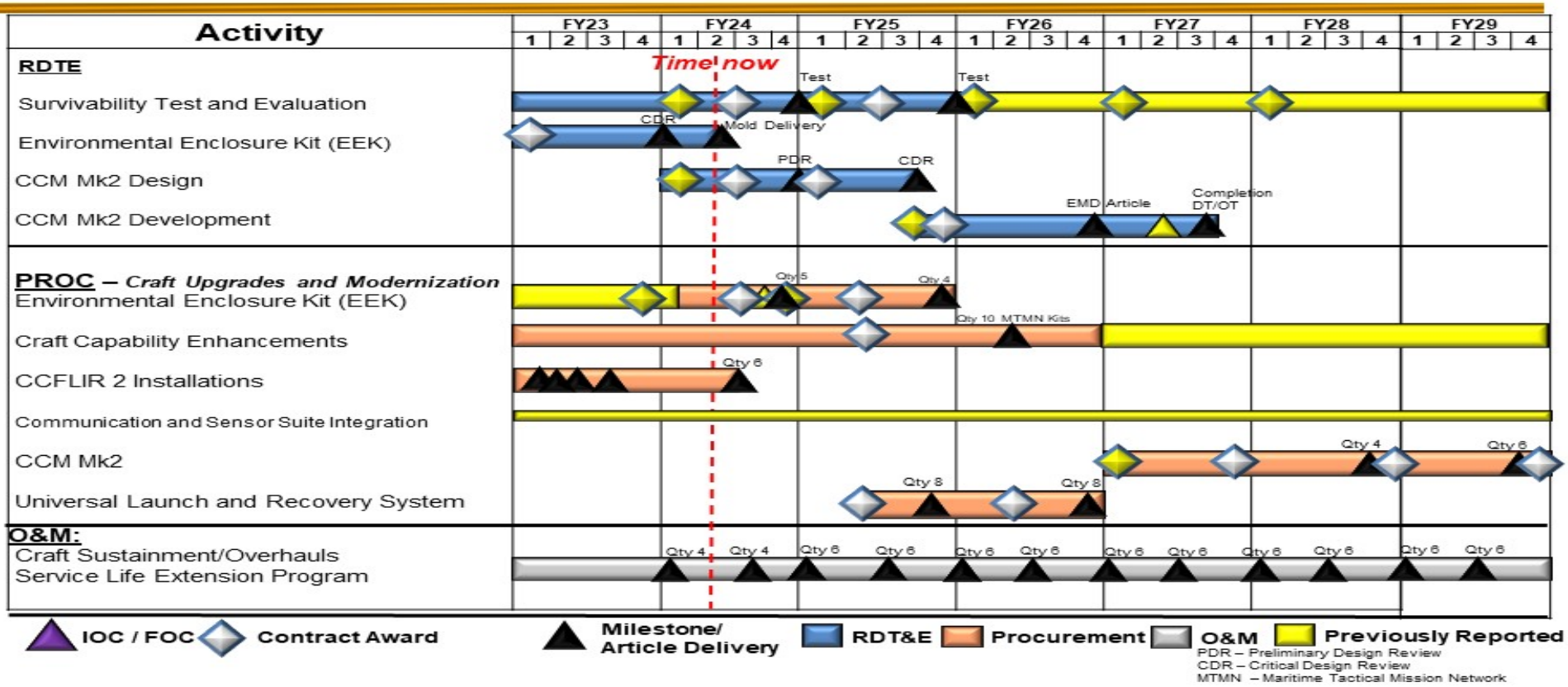


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Combatant Craft Heavy (CCH) Schedule

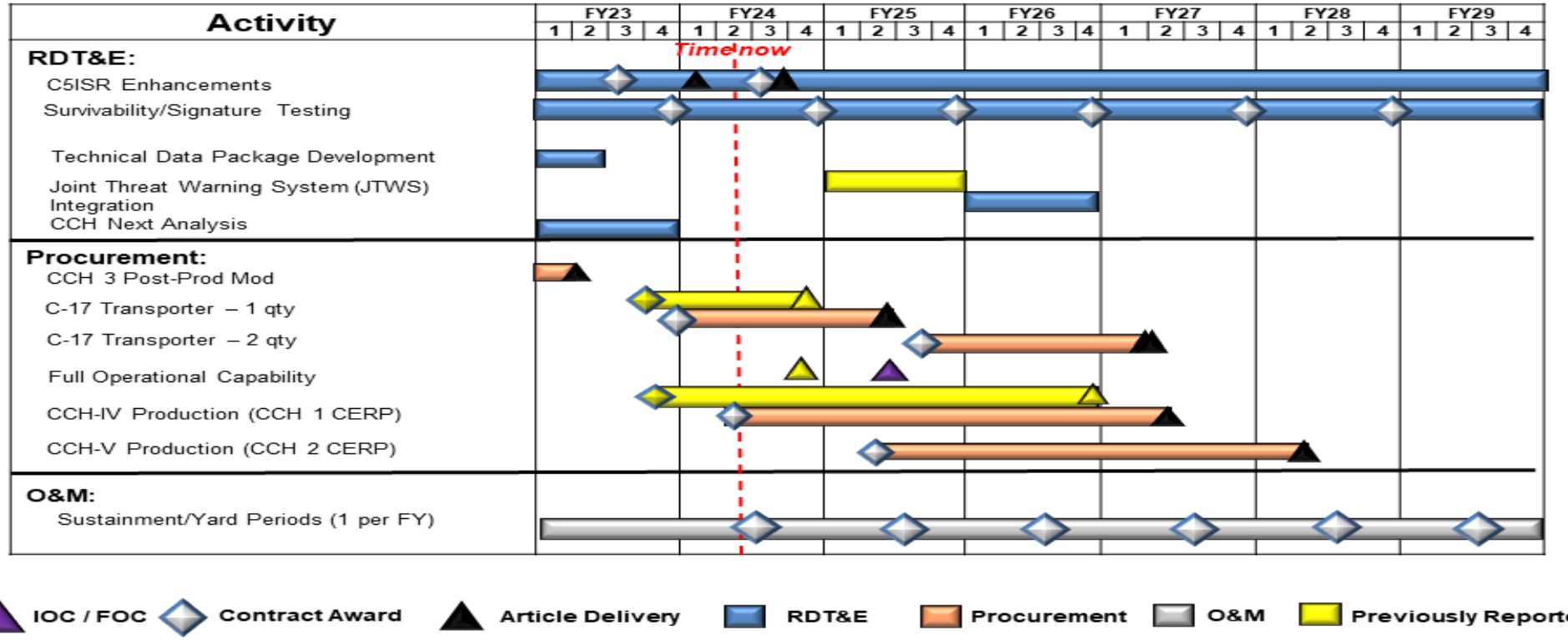


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Combatant Craft Mission Equipment Schedule

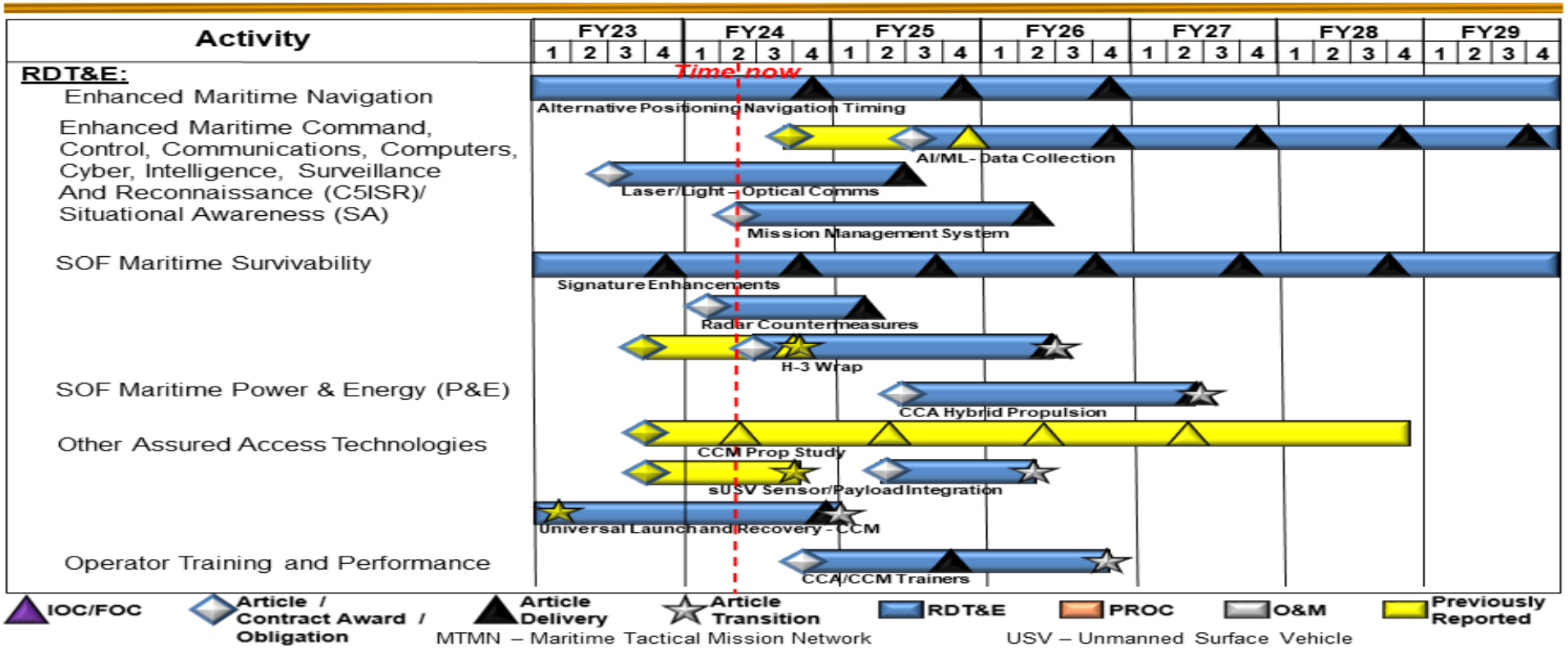
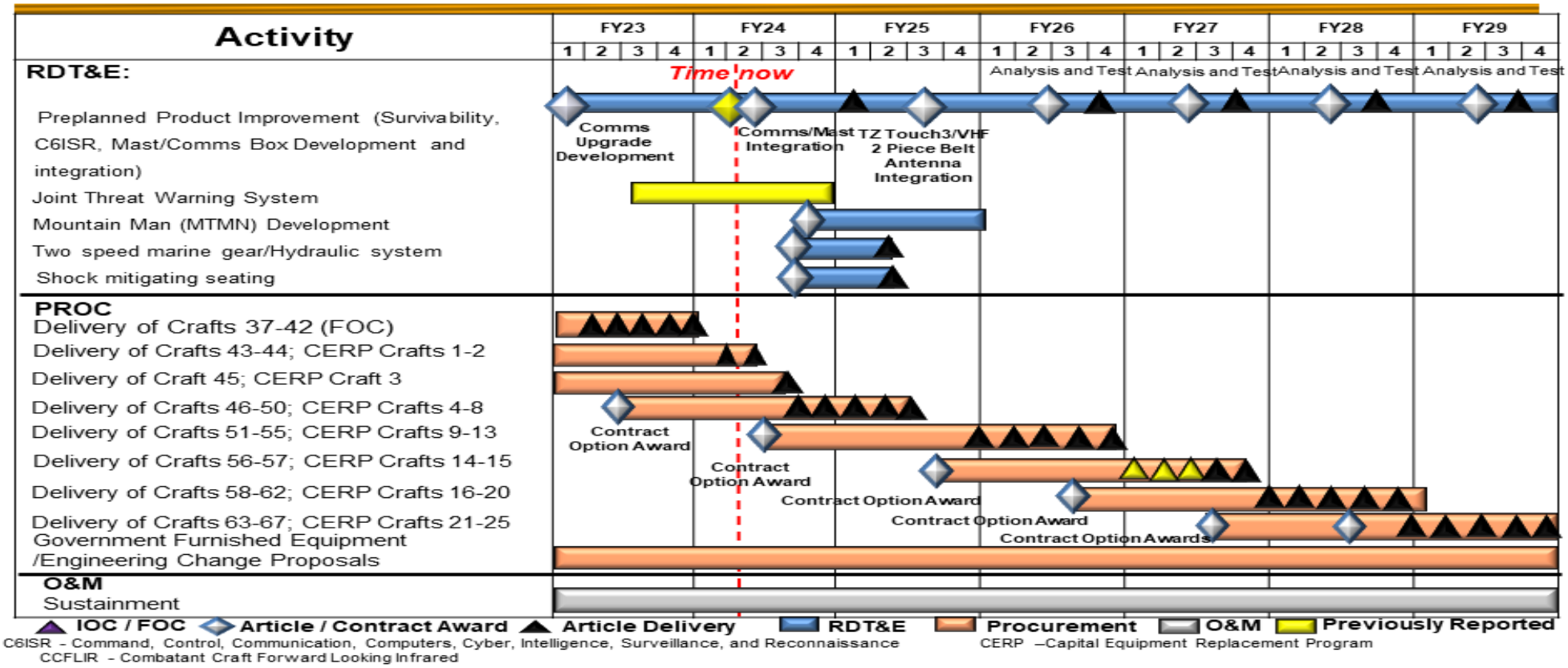


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Combatant Craft Assault (CCA) Schedule



C6ISR – Command, Control, Communication, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance
CCFLIR – Combatant Craft Forward Looking Infrared
CERP –Capital Equipment Replacement Program

Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Maritime Precision Engagement (MPE) Schedule

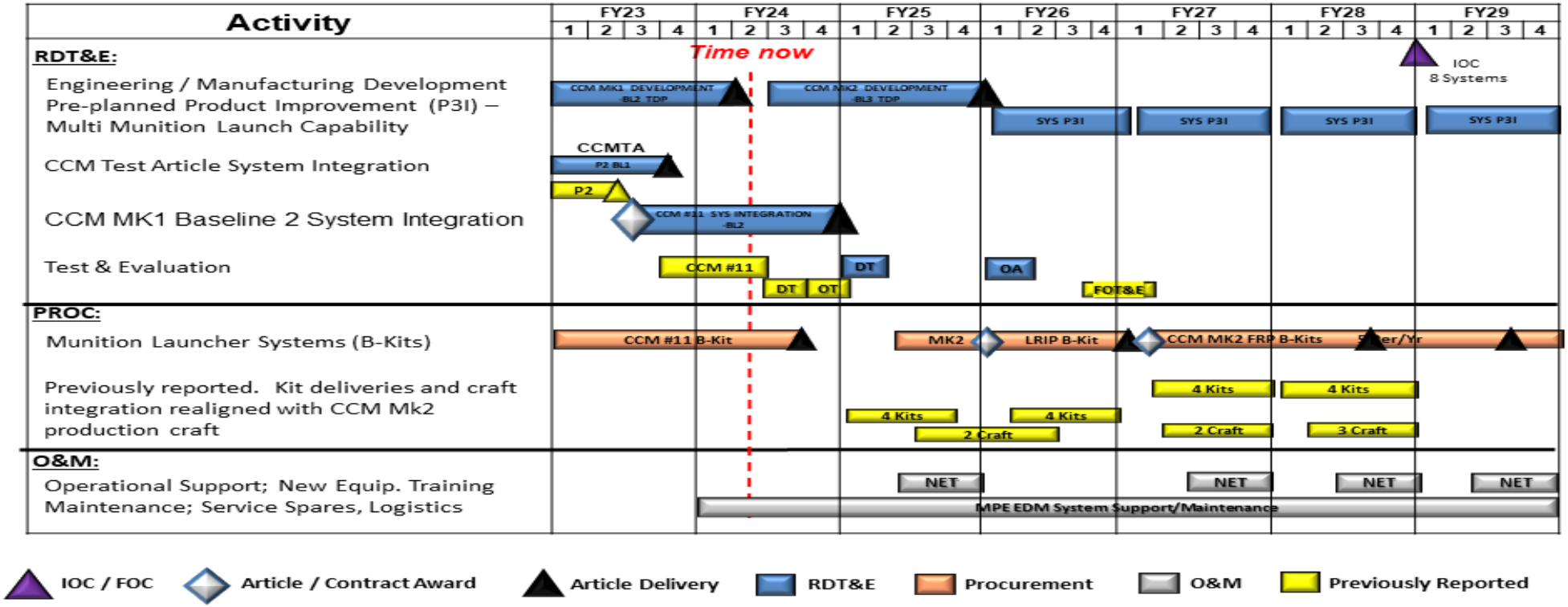
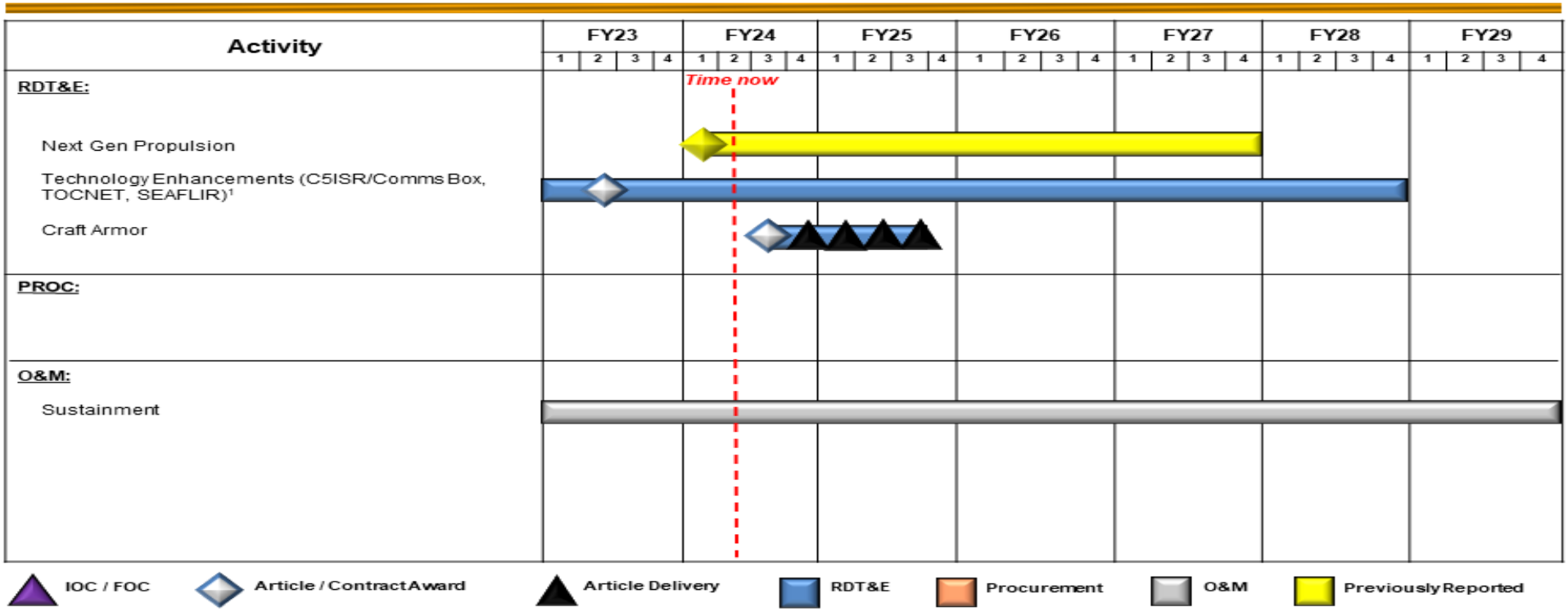


Exhibit R-4, RDT&E Schedule Profile: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Special Operations Craft Riverine (SOCR) Schedule



C5ISR - Command, Control, Computers, Communications, Cyber, Intelligence, Reconnaissance, Surveillance
TOCNET - Tactical unified Voice Management System
SEAFLIR - Sea Forward-Looking Infrared

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Combatant Craft Medium (CCM)				
Survivability Test and Evaluation	1	2023	4	2025
Environmental Enclosure Kit (EEK)	1	2023	2	2024
CCM Mk2 Design	1	2024	4	2025
CCM MK2 Development	4	2025	3	2027
Combatant Craft Heavy (CCH)				
Preplanned Product Improvement (Weapons / C5ISR / Survivability)	1	2023	4	2029
Technical Data Package Development	1	2023	2	2023
Joint Threat Warning System Integration	1	2026	4	2026
CCH Next Analysis	1	2023	4	2023
Combatant Craft Mission Equipment (CCME)				
Enhanced Maritime Navigation	1	2023	4	2029
Enhanced Maritime C5ISR/Situational Awareness	2	2023	4	2029
SOF Maritime Survivability	1	2023	4	2029
SOF Maritime Power & Energy (P&E)	2	2025	2	2027
Other Assured Access Technologies	1	2023	2	2026
Operator Training and Performance	4	2024	4	2026
Combatant Craft Assault (CCA)				
Preplanned Product Improvement (Survivability, Weapons, C5ISR, Combatant Craft Forward Looking Infrared 2)	1	2023	4	2029
Maritime Precision Engagement (MPE)				
Engineering/Manufacturing Development	1	2023	4	2025
Preplanned Product Improvement - Multi-Munition Launch	1	2026	4	2029

Exhibit R-4A, RDT&E Schedule Details: PB 2025 United States Special Operations Command		Date: March 2024
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1160483BB / *Maritime Systems*	**Project (Number/Name)** S1684 / *Surface Craft*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
CCM Test Article Baseline 1 System Integration	1	2023	4	2023
CCM MK1 Baseline 2 System Integration	3	2023	4	2024
Test and Evaluation - DT/OA	1	2025	2	2026
Special Operations Riverine Craft (SOCR)				
Technology Enhancements (C5ISR, Next-Gen CCFLIR)	1	2023	4	2028
Craft Armor	3	2024	3	2025

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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 United States Special Operations Command	Date: March 2024
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1160490BB / *Operational Enhancements Intelligence*

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	159.385	12.583	15.749	17.233	-	17.233	17.463	17.813	18.116	18.477	Continuing	Continuing
S500D: *Operational Enhancements Intelligence*	159.385	12.583	15.749	17.233	-	17.233	17.463	17.813	18.116	18.477	Continuing	Continuing

A. Mission Description and Budget Item Justification

This project is part of the Military Intelligence Program. This project is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	12.583	15.749	17.233	-	17.233
Current President's Budget	12.583	15.749	17.233	-	17.233
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

Funding:

FY 2023: None.

FY 2024: None.

FY 2025: None.

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