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

Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	225.905	38.089	51.976	47.762	-	47.762	53.993	46.040	40.862	36.705	Continuing	Continuing
2272: Intel Command and Control (C2) Sys	206.357	31.460	44.891	25.810	-	25.810	30.860	25.437	24.356	24.845	Continuing	Continuing
3771: Tactical Exploitation of National Capabilities (TENCAP)	19.548	6.629	7.085	21.952	-	21.952	23.133	20.603	16.506	11.860	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) for Intelligence Command and Control (C2) includes Military Intelligence Program (MIP) funds for Marine Corps Intelligence capabilities necessary to support the employment of intelligence, reconnaissance, surveillance (ISR), and target acquisition resources integral to delivering decision advantage at the speed of operational relevance. Marine Corps intelligence capabilities are divided into three functional areas organized along intelligence processes: Sensing (persistent ISR), Analysis (Distributed Common Ground/Surface System Marine Corps), and Dissemination (intelligence dissemination and utilization). This PE funds the Sensing and Dissemination portfolios while the Analysis portfolio is budgeted under DCGS-MC PE 0305208M.

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	37.695	51.976	45.501	-	45.501
Current President's Budget	38.089	51.976	47.762	-	47.762
Total Adjustments	0.394	0.000	2.261	-	2.261
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.394	0.000			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	-12.380	-	-12.380
• Rate/Misc Adjustments	0.000	0.000	14.641	-	14.641

Change Summary Explanation

- The FY 2023 to FY 2024 decrease of \$4.214M is primarily attributed to the following:
- Mobile All-Domain Observation and Sensing System (MA-DOSS) being transitioned to PE 0206313M, Project 2270 beginning FY 2024.
 - Integrated Broadcast Radio end of USMC funding for ENTR V4 modernization and crypto update product development efforts. Test efforts have been moved to IBR Test and Evaluation line item to support follow on test efforts.
 - Communication Emitter Sensing and Attacking System (CESAS) completion of Enhanced Electronic Warfare (EW) development.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys				Project (Number/Name) 2272 / Intel Command and Control (C2) Sys			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
2272: Intel Command and Control (C2) Sys	206.357	31.460	44.891	25.810	-	25.810	30.860	25.437	24.356	24.845	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

INTELLIGENCE COMMAND AND CONTROL (C2): includes Military Intelligence Program (MIP) funds for Marine Corps Intelligence capabilities necessary to support the employment of intelligence, reconnaissance, surveillance (ISR), and target acquisition resources integral to delivering decision advantage at the speed of operational relevance outlined in the 2022 National Defense Strategy and integral to Force Design 2030. This equipment will be employed inside the weapons engagement zone (WEZ) and will support the warfighter in populating the kill-web and shortening the kill-chain process. This capability involves sensing the operational environment through a variety of systems, from satellites overhead to reconnaissance Marines on the ground, and providing that information to Marine Corps Intelligence Commanders, Joint Intelligence Centers, and to Five Eyes (FVEY) partners for use in operational planning.

COMMUNICATION EMITTER SENSING and ATTACKING SYSTEM (CESAS). This is a high-power ground electronic attack (EA) system which disrupts, denies, and degrades enemy communications in support of reconnaissance/counter-reconnaissance (RXR) and infantry maneuver. CESAS supports Maritime Domain Awareness (MDA) by contributing sensor data to joint Electromagnetic Battle Management (EMBM) systems to provide decision advantage to commanders. CESAS is employed by trained operators from the Marine Radio Battalions and Marine Forces Special Operations Command (MARFORSOC) to sense and make sense of the electromagnetic spectrum and provide non-kinetic fires tailored to support infantry and maneuver elements. CESAS provides sensing and attacking in the high frequency (HF), very high frequency (VHF), and ultra-high frequency (UHF) ranges against enemy emitters with modern modulation schemes. An increase to the CESAS II FoS Authorized Acquisition Objective (AAO) in support of Force Design 2030 initiatives equips SIEW Teams to the infantry battalion, Radio Reconnaissance Teams (RRTs), Light Armored Vehicle - Electronic Warfare (LAV-EW), MARFORSOC operators, and the Supporting Establishment with modern electronic warfare (EW) systems capable of countering peer threat emitters. CESAS II FoS uses an incremental acquisition strategy, incorporating the Enhanced EW phased approach to integrating new capabilities to maintain pace with adversaries. CESAS includes the Advanced Electronic Warfare Digital Payload (AEWDP) system, which is the entry point for ground electronic attack in the Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance/Electronic Warfare (C5ISR/ EW) Modular Open Suite of Standards (CMOSS) architecture for Sensor Open Systems Architecture (SOSA) compliant operations. AEWDP provides the MAGTF an EW system able to exploit and disrupt enemy command and control (C2), and intelligence surveillance reconnaissance (ISR) using nontraditional attack vectors. Spectrum Services Framework (SSF) enabling the Electromagnetic Operations Cell to perform its mission by providing a critical open backend framework for rapid development of software services and applications across real-time and historical Electromagnetic Spectrum (EMS) data to support mission planning and execution of Electromagnetic Spectrum Operations (EMSO) and Cyberspace Operations across the FMF's Operational Environment utilizing Joint All Domain Command and Control (JADC2) information exchanges. The Constructive Electromagnetic Operating Environment System (CEMOES) provides an organic, unit- employable capability that creates a realistic operational frequency environment for multiple occupational fields to perform full electromagnetic spectrum home station training.

INTEGRATED BROADCAST RADIO (IBR). IBR is a family of tactical terminals that provide direct, over-the-air access to the Integrated Broadcast Service (IBS) and receive and process near-real time (NRT) multi-intelligence data from strategic, theater, and tactical sensors to include: signals intelligence information, target

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<p>tracks, Theater Ballistic Missile Defense indications and warnings, and other situational awareness data. IBR supports Expeditionary Advanced Base Operations and Distributed Operations concepts by providing battlespace awareness to commanders at the tactical level via resilient communications pathways designed for disadvantaged or denied users, including intelligence and operations personnel, Marine Corps Infantry, long-range fires weapon systems, and aviation platforms. Marine Corps IBR terminals are employed at all echelons with the MAGTF. Marine Corps IBR tactical terminals conform to the Department of Defense (DoD) objectives of interoperability and commonality to receive and process multi-intelligence data. Able to operate in a receive-only mode for critical emissions control, IBR tactical terminals provide the Marine Corps with low-signature and affordable capabilities that enhance joint and international interoperability, increase maritime domain awareness, and enable a range of operations in the fast paced, widely dispersed, peer-threat operating environment. The U.S. Air Force is the executive agent (EA) for IBS, directing a multiservice and international Architecture designed to keep pace with commanders' targeting and information requirements identified in the Joint Requirements Oversight Counsel (JROC) approved IBS Enterprise Information Systems - Capability Development Document (IS-CDD). Current IBR tactical terminals include the Embedded National Tactical Receiver (ENTR) version 2 (V2) and the ENTR version 4 (V4), which provide connectivity to the IBS Common Interactive Broadcast and IBS Alternative Path via UHF satellite communications (SATCOM) channels. Future plans include Executive Agent mandated modernization requirements, including new standards for Primary, Alternate, Contingency, Emergency (PACE) Plan and joint validation of authorized transmit terminals, enabling USMC organic sensor data to feed the IBS Enterprise.</p> <p>TACTICAL SIGNALS INTELLIGENCE (SIGINT) COLLECTION SYSTEM (TSCS): TSCS is the primary program of record for the USMC SIGINT/EW community to provide maritime and all domain awareness to the Stand in Force and Joint Force. TSCS provides modular, lightweight, and team portable/body worn systems and components that provide signals intercept, collection, direction-finding (DF) precision geo-location, reporting, and collection management capability in the Marine Air-Ground Task Force (MAGTF). TSCS is employed by trained operators from the Marine Radio Battalions and Marine Forces Special Operations Command (MARFORSOC) to sense and make sense of the electromagnetic spectrum. TSCS contributes to the MAGTF's Intelligence, Surveillance, and Reconnaissance (ISR) capability, enables Electronic Warfare (EW), and lethal strike capabilities; and provides the disruptive and less-lethal capabilities appropriate for countering malign activity by actors pursuing maritime "gray zone" strategies. These capabilities enable Expeditionary Advanced Base Operations (EABO) by supporting operations to both locate and target advanced adversary communications technology. The TSCS Family of Systems (FoS) incorporates the Radio Reconnaissance Equipment Program (RREP) and Team Portable Collection Systems - Multi-Platform Capable (TPCS-MPC) programs into a single program, providing a modular and scalable suite of equipment that exploits information from more technically advanced target sets. Platform Integration Kits (PIK) allow Marines to utilize equipment from the TSCS FoS, on USMC tactical vehicles and the MV-22 to provide Precision Geolocation (PGL) capability which enables Marines to locate specific signal emitters with much higher levels of accuracy and enables precision targeting. TSCS includes the Advanced Signals Processor (ASP) system, which is the entry point for TSCS in the Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance/Electronic Warfare (C5ISR/EW) Modular Open Suite of Standards (CMOSS) architecture for Sensor Open Systems Architecture (SOSA) compliant operations. The TSCS FoS has an incremental acquisition strategy, providing technical refresh for legacy TPCS-MPC and RREP systems as the systems become obsolete and/or require technology insertions to maintain pace with our adversaries. The prioritization of capabilities included in each increment is based on obsolescence and required capability upgrades against advanced target sets. Fluctuations within the funding profile are due to the refresh of different components each year.</p> <p>MARINE CORPS SENSITIVE COMPARTMENTED INFORMATION NETWORK (SCINet) is the Top Secret/Sensitive Compartmented Information (TS/SCI) portion of the Defense Information System Network and Intelligence Community (IC) Information Technology (IT) Enterprises. SCINet uses advanced networking technologies and associated end user devices that permit point-to-point or multi-point information exchange involving voice, text, graphics, data, and video teleconferencing using</p>		

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<p>various transport technologies. The program enables Marine Corps intelligence to access national intelligence data, services and assets in support of current and future operations in both garrison and tactical environments (ashore and afloat). The end user equipment consists of garrison desktop, tactical laptops, garrison room-based, desktop and expeditionary video teleconference (VTC) equipment, COMSEC encryption devices for garrison sites, routing/switching premise and back-end garrison connections, local and expeditionary servers, cyber security tools, baseline user workstation software and 24/7 Enterprise operations support. SCINet also provides an SCI platform for data exchange of timely, current, and actionable intelligence from other services and agencies in support of Intelligence, Surveillance, Reconnaissance, and Targeting as well as maneuver and fires capabilities at all echelons. Connectivity through both SCINet and NSANet significantly enhance the detail, timeliness, and quality of intelligence support that intelligence organizations provide to Marine operating forces.</p> <p>SENSITIVE COMPARTMENTED INFORMATION (SCI) COMMUNICATIONS (SCI Comms) is an Ultra-High Frequency, multi-band satellite communications Family of Systems (FoS), that provides a tactical communications capability at the Top Secret (TS)/SCI level to USMC units in support of Intelligence Operations. The SCI COMMS FoS is the only deployable communications system that is dedicated for TS/SCI data, video and voice communications that can receive and transmit bulk data and imagery products to and from national and tactical intelligence sources. It supports Intelligence Operations by enabling a resilient, federated system of networks to ensure all elements can fight in a degraded command and control environment. The FoS consists of palletized, team level, and man-packable systems - High Bandwidth Special Intelligence-Palletized Terminal (HBSI-PT), Sensitive Compartmented Intelligence Kit (SCIK), and SCI Comms Mobility Pack (SCI Comms MP) - which provide USMC tactical commanders with high-capacity, near-real-time access to intelligence from national agencies, joint intelligence centers, coalition service activities, intelligence producers, and other tactical units via connectivity to Sensitive Compartmented Information Network (SCI NET), National Security Agency (NSA) Network, and Top Secret coalition networks. SCI Comms is employed at multiple levels, to include at the Infantry Battalions for SI/EW operations, as an expeditionary fly-away capability for crisis response and humanitarian and disaster relief, and in support of MAGTF intelligence support to MSE, MEF and MARFOR commanders. SCI Comms coordinates with other Marine Corps C4ISR programs of record to leverage existing capabilities in support of SCI Communications requirements in accordance with NSA and DIA directives.</p> <p>TERRESTRIAL COLLECTION provides a tactical sensor Family of Systems (FoS) to enable near-real time persistent intelligence, surveillance, and reconnaissance to the Marine Corps and Joint Community. Marine Corps Expeditionary Advanced Base Operations provide Stand-In-Forces placement and access inside an enemy's weapon engagement zone for the emplacement of a network of collection systems that enhance the situational awareness of naval and joint forces operating in the littorals and the wider maritime domain. The Terrestrial Collection System (TCS) FoS equips Reconnaissance Battalions, Marine Littoral Regiments (MLRs), and Littoral Combat Teams (LCTs) with a network of unattended ground and maritime sensors to enhance Ground and Maritime Domain Awareness and support Recon/Counter-Recon operations. Ground sensors include land-based electro optical/infrared (EO/IR), acoustic, magnetic, and seismic sensors for the detection and identification of ground-based targets. Maritime sensors include both land and sea-based sensors. Land-based maritime sensors encompass surface search radar and passive detection of AIS signals for the detection and identification of maritime targets. Sea based maritime sensors are unattended/autonomous surface platform capable of acoustic, EO/IR, and oceanographic/meteorological sensing to detect and identify maritime targets and increase deep maritime domain awareness beyond the range of shore-based sensors. TCS sensors identify location, disposition, movement, and direction of enemy activity using all-weather multi-modal sensor systems to provide indications and warning of enemy activity for dissemination through Joint All Domain Command and Control (JADC2) using DCGS-MC and the Minotaur Ecosystem for ingestion into a Joint Common Intelligence/Operating Picture. In FY 2023 funds related to GBOSS capability were realigned to Mobile All-Domain Observation and Sensing Systems (MA-DOSS).</p>		

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MOBILE ALL-DOMAIN OBSERVATION AND SENSING SYSTEM (MA-DOSS) FoS provides persistent, all-domain sensing and surveillance support, tactical early warning, multi-domain intrusion-detection, and forward edge processing/computing of an AI/ML based computer vision capability to the FMF, at the Marine Littoral Regiment (MLR), down to any sized Marine element, in order to support the Naval Expeditionary Force (NEF) in the conduct of Sea Denial and Sea Control operations, and to enable force protection for Expeditionary Advanced Bases (EABs), forward fixed sites, and installations. By providing mobile, expeditionary, amphibious, modular, multi-spectral, and persistent surveillance systems based on sensor agnostic unmanned platforms, the MA-DOSS FoS will provide the ability to observe, collect, detect, classify, identify, track, record, and report on contacts, objects of interest, and assess threats twenty-four hours a day utilizing a fused sensor data display while reducing manpower requirements and the cognitive workload on operators and analysts. MA-DOSS will employ advanced Human Machine Teaming (HMT) and leverage the force-multiplying capabilities of Artificial Intelligence/Machine Learning (AI/ML) to execute tasks that normally require human intelligence/interface. Additionally, increased mobility will be achieved with autonomous robotic platforms, thereby enhancing survivability of the primary system and stand-in forces operating inside adversary Weapon Engagement Zones (WEZ). Beginning FY 2024, MA-DOSS transitions to PE: 0206313M Marine Corps Comms Systems Proj: 2270 Exp Indirect Fire Gen Supt Wpn Sys.

COUNTER INTELLIGENCE AND HUMAN INTELLIGENCE(CI/HUMINT) Equipment Program (CIHEP) provides the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) with an integrated, standardized, and interoperable suite of collection, information, and communication systems. All reported information is disseminated to the greater Intelligence Community (IC) and Joint Force for follow-on analysis and to inform commanders' decision making. The CIHEP program provides CI/HUMINT specialized equipment that is lightweight, modular, and tailorable to conduct full spectrum tactical CI/HUMINT activities, to include technical CIHEP operations, while carrying only those items necessary to accomplish the mission. This allows CI/HUMINT Marines to collect, process, and report from austere or non-permissive environments anywhere in the world without reliance on Marine Corps communications architecture. CI/HUMINT elements are task-organized to rapidly collect, process, and disseminate counterintelligence and human intelligence information in support of joint military planning and operations. CI/HUMINT Marines have unique placement and access by virtue of the Marine Corps' expeditionary nature, enabling the collection, processing, and dissemination of human derived information not accessible by other collection assets, and allows for the satisfying of both service and Joint Intelligence Requirements. The CIHEP Technical Surveillance and Countermeasures (TSCM) capability is designed to detect, locate, identify, neutralize and exploit a wide variety of adversarial penetration surveillance technologies or vulnerabilities that are used to obtain unauthorized access to classified and sensitive information and counters technical threats to SCIF spaces, sensitive technology, facilities, and vehicles. TSCM consists of electronic equipment, computer/software tools, signal acquisition/waveform, and audio/visual evidence collection assets and allows TSCM practitioners to support both service and Joint missions. Marine Corps TSCM equipment is purchased from a Director, National Security Agency/Chief, Central Security Service (DIRNSA/CHCSS) approved equipment list to maintain pace with current and emerging threat technology.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: *Communication Emitter Sensing and Attacking System (CESAS): Product Development	12.413	6.468	5.126	0.000	5.126
Articles:	-	-	-	-	-
FY 2023 Plans:					
- Complete development of CESAS Family of Systems (FoS) Enhanced Electronic Warfare (EW) for platform integration kits for the HMMWV and LAV-EW, enhanced software baselines, and upgraded antennas to enhance					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>techniques and frequency range of Core Systems and Back-Packable Kits; hardware/software modifications will be implemented via Engineering Change Proposals (ECPs).</p> <ul style="list-style-type: none"> - Continue development of CESAS Family of Systems (FoS) Enhanced Electronic Warfare (EW) for platform integration kits for the JTLV and NTV, enhanced software baselines, and additional antennas to enhance techniques and frequency range; hardware/software modifications will be implemented via Engineering Change Proposals (ECPs). - Continue development of Advanced Electronic Warfare Digital Payload (AEWDP) scalable effort to provide a modular system capable of integration into USMC vehicles. - Continue development of Constructive Electromagnetic Operational Environment System (CEMOES) to generate a contested Electromagnetic Spectrum (EMS) environment to provide the Operating Forces (OPFOR) the ability to conduct realistic spectrum training. <p>FY 2024 Base Plans:</p> <ul style="list-style-type: none"> - Complete development of CESAS Family of Systems (FoS) Enhanced Electronic Warfare (EW) for platform integration kits for the JTLV and NTV, enhanced software baselines, and additional antennas to enhance techniques and frequency range; hardware/software modifications will be implemented via Engineering Change Proposals (ECPs). - Continue development of CESAS II Inc II program software baseline; software modifications for high speed threat analysis and plugins for the RaptorX user interface will be implemented via Engineering Change Proposals (ECPs). - Initiate development of Advanced Electronic Warfare Digital Payload (AEWDP) mission payloads, processor cards, and antennas scalable effort to provide a modular system capable of integration into USMC vehicles. - Continue development of Constructive Electromagnetic Operational Environment System (CEMOES) to generate a contested Electromagnetic Spectrum (EMS) environment to provide the Operating Forces (OPFOR) the ability to conduct realistic spectrum training. <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease from FY 2023 to FY 2024 is due to the completion of the development of CESAS Family of Systems (FoS) Enhanced Electronic Warfare (EW) integration kits for the HMMWV and LAV-EW, and upgraded antennas to enhance techniques and frequency range of Core Systems and Back-Packable Kits</p>					
Title: *Communication Emitter Sensing and Attacking System (CESAS): Test and Evaluation	0.500	0.710	0.341	0.000	0.341

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Articles:	-	-	-	-	-
<p>FY 2023 Plans:</p> <ul style="list-style-type: none"> - Continue building of System Engineering artifacts, system design, test plans and reports, and requirements analysis for the CESAS II FoS Increment II Enhanced Electronic Warfare(EW). - Conduct test and evaluation to include Hazards of Electromagnetic Radiation to Ordinance, Personnel, and Fuel (HERO/HERP/HERF), Antenna Pattern, Direction Finding (DF) Manifold Generation, Co- Site, Aberdeen PIK testing and Component Electromagnetic Interference (EMI) and Environmental Testing. - Initiate development testing of mission payloads, processor cards, and antennas, and CEMOES. <p>FY 2024 Base Plans:</p> <ul style="list-style-type: none"> - Complete building of System Engineering artifacts, system design, test plans and reports, and requirements analysis for the CESAS II FoS Increment II Enhanced Electronic Warfare(EW). - Continue test and evaluation to include Hazards of Electromagnetic Radiation to Ordinance, Personnel, and Fuel (HERO/ HERP/HERF), Antenna Pattern, Direction Finding (DF) Manifold Generation, Co- Site, Aberdeen PIK testing and Component Electromagnetic Interference (EMI) and Environmental Testing. - Continue developmental testing of mission payloads, processor cards, and antennas. - Continue developmental testing of CEMOES. <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: The decrease from FY 2023 to FY 2024 aligns with the decrease and completion of System Engineering artifacts, system design, test plans and reports, and requirements analysis for CESAS II FoS Increment II Enhanced Electronic Warfare (EW).</p>					
<p>Title: *Communication Emitter Sensing and Attacking System (CESAS): Support</p> <p align="right">Articles:</p> <p>FY 2023 Plans:</p> <ul style="list-style-type: none"> - Complete support for Spectrum Services Framework (SSF) software development efforts Graphic User Interface (GUI), integration tools, and visualization tools. - Continue to provide program support for Communications Emitter Sensing and Attacking System (CESAS) II Family of Systems (FoS). - Continue program support for AEWDP. 	0.075	7.633	5.326	0.000	5.326
	-	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<ul style="list-style-type: none"> - Continue program support for CEMOES. - Continue the migration support of the SSF into the Common Hosting Environment in order to reside on currently existing program of record hardware, thus reducing the logistical footprint of the units. - Initiate support for development of Spectrum Services Framework (SSF) sensor integration with Intrepid Tiger II (IT-II). - Initiate support for code development efforts of Spectrum Services Framework (SSF) in conjunction with cloud hybridization efforts. - Continue support of new services onto the SSF, allowing users to ingest critical spectrum information to increase Unit Commanders' situational awareness of the battlefield. <p>FY 2024 Base Plans:</p> <ul style="list-style-type: none"> - Continue to provide program support for Communications Emitter Sensing and Attacking System (CESAS) II Family of Systems (FoS). - Continue program support for AEWD. - Continue the migration support of the SSF into the Common Hosting Environment in order to reside on currently existing program of record hardware, thus reducing the logistical footprint of the units. - Continue support of Spectrum Services Framework (SSF) initiatives towards Capability Drop (CD)2 & (CD) 3. - Continue program support for CEMOES. - Continue support of new services onto the SSF, allowing users to ingest critical spectrum information to increase Unit Commanders' situational awareness of the battlefield. - Continue support for sensor integration of Spectrum Services Framework (SSF) with Intrepid Tiger II (IT-II), MAGTF Electronic Warfare Ground Family of Systems (MEGFoS), Multi-Function Electronic Warfare (MFEW) system, and Communication Emitter Sensing and Attacking System (CESAS) Family of System (FoS). - Continue support for code development efforts of Spectrum Services Framework (SSF) in conjunction with cloud hybridization efforts. - Initiate support for the instantiation of SSF on hybrid cloud solution; specifically the DCGS-MC All Source Enterprise Hub. - Initiate support for SSF interfaces with MEGFoS IT II, CESAS II, TCAC, and GCCS-J. <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
The decrease from FY 2023 to FY 2024 due to reduced SSF level of effort associated with software development towards the Graphic User Interface (GUI), integration tools, and visualization tools.					
Title: *Integrated Broadcast Radio (IBR): Product Development <div align="right">Articles:</div>	4.586	3.200	0.000	0.000	0.000
FY 2023 Plans: - Complete ENTR system integration and test support, common integrated broadcast (CIB) upgrade and system optimization support, and CIB operational testing. - Continue research, testing, and development for system updates to ENTR Version 4 in order to maintain compatibility with modernization plans identified in the Integrated Broadcast Services (IBS) Enterprise Information Systems - Capability Development Document (IS-CDD) - Continue testing and integration efforts for resilient waveform and cryptographic technologies.	-	-	-	-	-
FY 2024 Base Plans: N/A					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: Decrease from FY 2023 to FY 2024 reflects completion of ENTR V4 modernization and crypto update product development efforts. Test efforts have been moved to IBR Test and Evaluation (below) to support follow on test efforts.					
Title: *Integrated Broadcast Radio (IBR) Test and Evaluation <div align="right">Articles:</div>	0.000	0.000	0.510	0.000	0.510
FY 2023 Plans: N/A	-	-	-	-	-
FY 2024 Base Plans: - Initiate test efforts for resilient waveform and cryptographic technologies. - Initiate testing on IBR Transmit prototype solution.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)					
	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Increase from FY 2023 to FY 2024 reflects IBR test efforts supporting cryptographic updates and participation in USAF led resilient wave form testing. Test and Evaluation efforts have been moved from IBR Product Development (above) IBR Test and Evaluation.					
Title: *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Product Development					
	6.974	5.676	3.176	0.000	3.176
Articles:	-	-	-	-	-
FY 2023 Plans:					
<ul style="list-style-type: none"> - Complete development and integration of Advanced Signal Processor (ASP) (Formerly advanced digital payload/electronic warfare technology) (Increment 4). - Continue development of required software capability to the TSCS baseline in order to counter emerging near peer asymmetric adversary threats. - Initiate development of Tethered Antenna to allow signals collection above triple canopy providing detection, identification, and location of adversary signals of interest. - Complete development of Precision Geolocation (PGL). The PGL capability allows Marines to locate specific signal emitters with more accuracy. The fielded PGL capability is outdated and incapable of operating against modern communications technology. - Complete development of the MV-22 Platform Integration Kit (PIK) to allow Marines to use TSCS equipment on the MV-22 Osprey to conduct Aerial Signal Research and Target Development (A-SRTD) operations to locate specific signal emitters. The current MV-22 PIK relies on outdated receiver technology and is incapable of operations against near-peer communications technology. 					
FY 2024 Base Plans:					
<ul style="list-style-type: none"> - Continue development of required software capability to the TSCS baseline in order to counter emerging near peer asymmetric adversary threats. - Complete development of Tethered Antenna to allow signals collection above triple canopy providing detection, identification, and location of adversary signals of interest. 					
FY 2024 OCO Plans:					
N/A					
FY 2023 to FY 2024 Increase/Decrease Statement:					
Decrease from FY 2023 to FY 2024 reflects the completion of development efforts associated with the TSCS PGL and MV-22 PIK.					
Title: *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Test and Evaluation					
	1.850	1.557	1.750	0.000	1.750

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 2272 / Intel Command and Control (C2) Sys

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p align="right"><i>Articles:</i></p> <p>FY 2023 Plans: - Continue testing of the TSCS software baseline updates. - Continue testing of the Advanced Signal Processor (ASP) (Formerly advanced digital payload/electronic warfare technology). - Initiate and complete testing of the Precision Geolocation (PGL) and MV-22 Platform Integration Kit (PIK)</p> <p>FY 2024 Base Plans: - Continue testing of the TSCS software baseline updates. - Continue and complete testing of Advanced Signal Processor (ASP) delayed due to prototype delivery delays resulting from supply chain issues. - Initiate testing of Tethered Antenna (drone and motorized generator) to include full integration testing with all TSCS Increment I, II, and III components. - Initiate testing of AI/ML software prototypes.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects the initiation of testing of Tethered Antennas and AI/ML prototypes.</p>	-	-	-	-	-
<p>Title: *SCI COMMS: Product Development</p> <p align="right"><i>Articles:</i></p> <p>FY 2023 Plans: - Complete development of the High Bandwidth Special Intelligence-Palletized Terminal (HBSI-PT) replacement.</p> <p>FY 2024 Base Plans: N/A</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease from FY 2023 to FY 2024 reflects the transition of the HBSI-PT replacement effort to developmental integration testing of the identified material solutions.</p>	0.714	0.730	0.000	0.000	0.000
<p>Title: *SCI COMMS: Test and Evaluation</p>	-	-	-	-	-
	0.394	0.000	0.444	0.000	0.444

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p align="right">Articles:</p> <p>FY 2023 Plans: N/A</p> <p>FY 2024 Base Plans: - Initiate integration testing of High Bandwidth Special Intelligence Palletized Terminal (HBSI-PT) Network and Radio Frequency Packages. - Initiate test and evaluation of new modification kits for SCI Comms Mobility Pack to include vehicle mounts, aircraft mounts, and LEO/MEO antennas, as well as upgrades to existing equipment in line with MCWS-X.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects the initial integration test of the HBSI-PT Network and Radio Frequency Packages as well as test and evaluation of new modification kits.</p>	-	-	-	-	-
<p>Title: *SCI COMMS: Support</p> <p align="right">Articles:</p> <p>FY 2023 Plans: N/A</p> <p>FY 2024 Base Plans: - Provides support for the integration of the HBSI-PT replacement system.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects initial support for the integration of the HBSI-PT replacement system.</p>	0.000 -	0.000 -	0.300 -	0.000 -	0.300 -
<p>Title: *USMC Sensitive Compartmented Information (SCI) Network</p> <p align="right">Articles:</p> <p>FY 2023 Plans: N/A. SCINET did not have any RDTE funding in FY23</p> <p>FY 2024 Base Plans:</p>	0.000 -	0.000 -	5.800 -	0.000 -	5.800 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
- Initiate development of a tactical redesign integrating the use of Cloud for cloud to the edge FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: The increase from FY 2023 to FY 2024 is due to approved initiative for SCINET DevSecOps Enclave					
Title: *Terrestrial Collection: Product Development Articles:	3.604 -	1.269 -	1.319 -	0.000 -	1.319 -
FY 2023 Plans: - Continue engineering, integration, and technical support required for planned Terrestrial Collection modernization. - Continue product development and integration of Artificial Intelligence/Machine Learning hardware and software within Sensor Family of Systems which will provide object detection capabilities resulting in decreased time required to conduct Indications and Warnings (I&W).					
FY 2024 Base Plans: - Continue engineering, integration, and technical development required for Terrestrial Collection modernization including integration of ground based sensors with maritime sensors.					
FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects integration with maritime sensors.					
Title: *Terrestrial Collection : Test and Evaluation Articles:	0.000 -	0.000 -	0.700 -	0.000 -	0.700 -
FY 2023 Plans: N/A FY 2024 Base Plans: Initiate testing and evaluation of maritime sensors.					
FY 2024 OCO Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects initiating maritime sensor testing and evaluation.					
Title: *Mobile All-Domain Observation and Sensing System (MA-DOSS) : Product Development	0.000	17.290	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2023 Plans: - Conduct product development and integration of GBOSS Artificial Intelligence/Machine Learning hardware and software within Sensor Family of Systems which will provide object detection capabilities resulting in decreased time required to conduct Indications and Warnings (I&W). - Initiate product development efforts in support of the Mobile All-Domain Observation and Sensing System (MA-DOSS) FoS The MA-DOSS Fos will provide the ability to observe, collect, detect, classify, identify, track, record, and report on contacts, objects of interest, and assess threats twenty-four hours a day utilizing a fused sensor data display while reducing manpower requirements and the cognitive workload on operators and analysts.					
FY 2024 Base Plans: Beginning FY 2024 MA-DOSS funding is realigned to PE 0206313M Marine Corps Communication Systems, Project 2270 Exp Indirect Fire Gen Support Weapon Systems.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: MA-DOSS was transitioned to PE: 0206313M Marine Corps Comms Systems Proj: 2270 Exp Indirect Fire Gen Supt Wpn Sys. Decrease from FY 2023 to FY 2024 reflects the continuation of efforts in FY 2024 under PE 0206313M Marine Corps Communication Systems, Project 2270 Exp Indirect Fire Gen Support Weapon Systems.					
Title: *Counterintel and Human Intel Equip (CIHEP): Test and Evaluation	0.350	0.358	1.018	0.000	1.018
Articles:	-	-	-	-	-
FY 2023 Plans: - Continue to provide engineering, integration and technical support required for planned CIHEP modernization of the TSCM (Technical Surveillance Countermeasures) equipment and CIHEP Family of Systems (FOS). Acquiring test artifacts to integrate modernized proof of concept equipment for CIHEP next generation					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Commercial Handheld Satellite Communications Set (CHSCS), verification testing, Expeditionary Office Module - Mobile (EOM-M). (CHSCS Smartphone as EOM-Mobile), and CIHEP FoS Validation testing using use cases and test scenarios. FY 2024 Base Plans: - Continue evaluation of End User Device (EUD) prototypes for CIHEP-MC program for surveillance. - Initiate test and evaluation of Cloud/Commercial Hosted server capabilities for CIHEP-MC surveillance assets. - Initiate Expeditionary Office Communications Module (EOCM) and Commercial Solutions for Classified (CSfC) engineering, integration and technical support required for capability testing for the CIHEP-MC. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 reflects test and evaluation of Cloud and server capabilities.					
Accomplishments/Planned Programs Subtotals	31.460	44.891	25.810	0.000	25.810

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• PMC/4747/CESAS: CESAS	35.772	55.847	46.625	-	46.625	21.390	18.530	18.731	19.106	Continuing	Continuing
• PMC/4747/IBR: IBR	1.503	1.559	4.491	-	4.491	2.583	2.273	1.660	1.693	Continuing	Continuing
• PMC/4747/TSCS: TSCS	6.584	32.633	48.327	-	48.327	49.942	10.083	10.285	10.491	Continuing	Continuing
• PMC/4747/	0.249	12.729	24.557	-	24.557	17.525	25.250	18.232	18.597	Continuing	Continuing
SCICOMMS: SCI COMMS											
• PMC/4747/TC:	0.888	22.491	8.025	-	8.025	13.377	13.603	13.835	14.112	Continuing	Continuing
TERRESTRIAL COLLECTION											
• PMC/4747/CIHEP: CIHEP	2.871	7.395	7.153	-	7.153	6.515	6.647	6.780	6.916	Continuing	Continuing
• PMC/4747/MADOSS: Mobile All-Domain Observation and Sensing Systems	0.000	1.270	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
• PMC/4747/SCINET: SCINET	13.993	7.935	9.537	-	9.537	8.006	8.456	8.255	8.343	0.000	64.525

Remarks

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D. Acquisition Strategy

CESAS: CESAS II FoS production will consist of COTS and NDI integration into an existing GOTS architecture. Production efforts will be conducted at Naval laboratories. AEWDP production will consist of COTS and NDI integration into an existing GOTS architecture. Production efforts will be conducted by a designated Lead System Integrator. CEMOES production will consist of COTS and NDI integration into GOTS architecture. CEMOES production efforts will be conducted by a designated Lead System Integrator. CEMOES shall be fielded to each Marine Expeditionary Force (MEF) to provide tailorable, realistic, mission-oriented, electromagnetic operational environment to support training and rehearsal at home stations.

IBR: IBR will support requirements for access to the Integrated Broadcast Service (IBS) broadcast by satisfying joint requirements as directed by United States Air Force (USAF) as the IBS Executive agent (EA). IBR will procure the ENTR V4 as GOTS equipment via contracts approved through the ENTR Program Management Office (PMO). Sustainment will leverage contract logistics support and U.S. Air Force depot maintenance. IBR will procure the Universal Accessory Kit (UAK) as GOTS and COTS through the Lead System Integrator (LSI) Naval Surface Warfare Dahlgren Division Dam Neck Activity (NSWCDD-DNA). IBR will leverage engineering support from IBS-EA, ENTR PMO, and the LSI. IBR will employ software as directed by IBS-EA and developed at Naval laboratories. IBR will make maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

TSCS: The TSCS FoS has an incremental acquisition strategy, providing technical refresh for legacy TPCS-MPC and RREP systems as the systems become obsolete and/or require technology insertions to maintain pace with our adversaries. Software upgrades are developed at Naval laboratories and integrated into the system. TSCS makes maximum use of COTS, GOTS, and NDI with Firm Fixed Price Production through the Lead System Integrator (LSI).

MARINE CORPS SENSITIVE COMPARTMENTED INFORMATION NETWORK (SCINet) will leverage Marine Corps Systems Command contracting office and the Regional contracting office for contractor support to develop the new prototypes with delivery to the govt of selected prototypes with all documentation for building, fielding , engineering and architecture.

SCI COMMS: SCI COMMS leverages NIWC-LANT support as the Lead System Engineer (LSE), LSI, as well as for Program Management, Technical and Systems Engineering, Test and Evaluation, System Integration and Training, Cyber Security, and Life-cycle Logistics Support. SCI COMMS plans to use existing contracts within Marine Corps Systems Command, Defense Logistics Agency, and NIWC-Atlantic to procure hardware solutions.

Terrestrial Collection: Tech refresh for sustainability to ensure operational readiness of the assets, assumes required engineering and logistics refresh funded per additional capability initiative. Makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

Mobile All-Domain Observation and Sensing System (MA-DOSS): Starting in FY 2024, MA-DOSS is moving from PE 0206625M/Project 2272 to PE 0206313M/Project 2270.

CIHEP: CIHEP makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy												Date: March 2023			
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CESAS	WR	NIWC-LANT : CHARLESTON, SC	15.034	6.906	Dec 2021	2.670	Dec 2022	5.126	Dec 2023	-		5.126	Continuing	Continuing	Continuing
CESAS	C/FFP	MCSC : Quantico, VA	6.413	5.507	Apr 2022	3.798	Dec 2022	0.000		-		0.000	Continuing	Continuing	Continuing
IBR	MIPR	VARIOUS : VARIOUS	4.727	4.586	Mar 2022	3.200	Mar 2023	0.000		-		0.000	Continuing	Continuing	Continuing
SCI COMMS	WR	NIWC-Lant : Charleston, SC	0.000	0.714	Jan 2022	0.730	Jan 2023	0.000		-		0.000	Continuing	Continuing	Continuing
Terrestrial Collection	WR	NIWC-LANT : CHARLESTON, SC	4.081	1.604	Nov 2021	1.269	Nov 2022	1.319	Nov 2023	-		1.319	Continuing	Continuing	Continuing
Terrestrial Collection AI/ML	C/FFP	NIWC-LANT : CHARLESTON, SC	2.000	1.500	Mar 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Terrestrial Collection AI/ML	WR	NSWC-CRANE : CRANE,IN	0.222	0.150	Mar 2022	0.000	Nov 2022	0.000		-		0.000	Continuing	Continuing	Continuing
Terrestrial Collection AI/ML	C/CPFF	NSWC-CRANE CTR : CRANE,IN	0.277	0.350	Mar 2022	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
MA-DOSS	WR	NSWC CRANE : CRANE,IN	0.000	0.000		3.000	Dec 2022	0.000		-		0.000	Continuing	Continuing	Continuing
MA-DOSS	C/CPFF	NSWC-CRANE : CRANE,IN	0.000	0.000		14.290	Mar 2023	0.000		-		0.000	Continuing	Continuing	Continuing
Prior Years Cumulative Funding	Various	Various : Various	96.458	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
SCINET	C/CPFF	MCSC : Quantico, VA	0.000	0.000		0.000		5.800	May 2024	-		5.800	0.000	5.800	-
TSCS	WR	NIWC-LANT : Charleston, SC	13.403	3.476	Jan 2022	4.483	Jan 2023	1.220	Dec 2023	-		1.220	0.000	22.582	-
TSCS	C/CPFF	NSMA : Charleston, SC	3.871	0.498	Jun 2022	1.193	Jun 2023	0.000		-		0.000	0.000	5.562	-
TSCS	C/CPFF	NIWC-LANT CTR : Charleston, SC	0.000	0.000		0.000		1.956	Dec 2023	-		1.956	0.000	1.956	-
TSCS	C/FFP	MCSC : Quantico, VA	7.294	3.000	Feb 2022	0.000		0.000		-		0.000	0.000	10.294	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Subtotal			153.780	28.291		34.633		15.421		-		15.421	Continuing	Continuing	N/A

Remarks
 Decrease from FY 2023 to FY 2024 is primarily attributed to the following:
 MA-DOSS was transitioned to PE: 0206313M Marine Corps Comms Systems Proj: 2270 Exp Indirect Fire Gen Supt Wpn Sys.
 IBR completion of ENTR V4 modernization and crypto update product development efforts.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
CESAS	WR	NIWC-LANT : Charleston, SC	0.125	0.075	Dec 2021	4.180	Dec 2022	2.884	Dec 2023	-		2.884	Continuing	Continuing	Continuing
CESAS	WR	PT MUGU : PT MUGU, CA	0.000	0.000		3.453	Jan 2023	2.442	Dec 2023	-		2.442	0.000	5.895	-
SCI COMMS	WR	NIWC-LANT : Charleston, SC	0.306	0.000		0.000		0.300	Dec 2023	-		0.300	Continuing	Continuing	Continuing
Prior Years Cumulative Funding	Various	Various : Various	15.066	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			15.497	0.075		7.633		5.626		-		5.626	Continuing	Continuing	N/A

Remarks
 Increase from FY 2023 to FY 2024 is primarily attributed to the following:
 SCI COMMS initial support for the integration of the HBSI-PT Replacement System.

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	CESAS NIWC-LANT : CHARLESTON, SC	1.200	0.500	Dec 2021	0.710	Dec 2022	0.341	Dec 2023	-		0.341	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	TSCS NIWC-LANT : CHARLESTON, SC	6.440	1.570	Jan 2022	1.257	Jan 2023	0.854	Dec 2023	-		0.854	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/IDIQ	TSCS NSMA : BOLLING AFB	0.755	0.280	Mar 2022	0.300	Mar 2023	0.000		-		0.000	0.000	1.335	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	TSCS MCSC : Quantico, VA	0.350	0.000		0.000		0.000		-		0.000	0.000	0.350	-
Developmental Test & Evaluation (DT&E)	C/CPFF	TSCS NIWC-LANT CTR : CHARLESTON, SC	0.000	0.000		0.000		0.896	Dec 2023	-		0.896	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	SCI COMMS NIWC-LANT : CHARLESTON, SC	0.682	0.000		0.000		0.444	Dec 2023	-		0.444	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/FFP	SCI COMMS MCSC : Quantico, VA	0.000	0.394	Aug 2022	0.000		0.000		-		0.000	0.000	0.394	-
Developmental Test & Evaluation (DT&E)	WR	CIHEP NIWC-LANT : CHARLESTON, SC	0.982	0.350	Mar 2022	0.358	Nov 2022	1.018	Nov 2023	-		1.018	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	TCS NIWC-LANT : CHARLESTON, SC	0.000	0.000		0.000		0.700	Nov 2023	-		0.700	0.000	0.700	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	26.671	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	MIPR	IBR-VARIOUS : VARIOUS	0.000	0.000		0.000		0.510	Mar 2024	-		0.510	0.000	0.510	-
Subtotal			37.080	3.094		2.625		4.763		-		4.763	Continuing	Continuing	N/A

Remarks
 Increase from FY 2023 to FY 2024 is primarily attributed to the following:
 IBR test efforts supporting cryptographic updates and initial testing of resilient waveform for IBR Transmit capability.
 SCI COMMS initial integration test of the HBSI-PT Replacement System Network and Radio Frequency Packages.
 Terrestrial Collection initiating maritime sensor testing and evaluation.
 TSCS initiation of testing of Tethered Antennas and AI/ML prototypes.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy							Date: March 2023				
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	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals	206.357	31.460	44.891	25.810	-	25.810	Continuing	Continuing	N/A		

Remarks
 Overall decrease from FY 2023 to FY 2024 is primarily attributed to MA-DOSS PE/PRJ transfer and IBR completion of ENTR V4 modernization and crypto update product development efforts.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
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CESAS MCPC Schedule

	2022				2023				2024				2025				2026				2027				2028			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Acquisition/Milestone Events					-Inc II Team Portable PD -Inc II Team Portable FD												-Inc II FOC											
									-AEWDP ACAT Desing -AEWDP MDD/MS C												-AEWDP Fielding Decision							
Capabilities/Requirements					Inc II Production																							
	-AEWDP Development								-AEWDP Development																			
Systems Engineering					-Inc II Team Portable SVR-2 -Inc II Team Portable PCA								Inc II Enhanced EW Documentation/Assessments								AEWDP Documentation/Assessments							
Logistics					Inc II Team Portable Fielding Inc II Enhanced EW Fielding												Inc II Tech Refresh											
					Inc II Enhanced EW Documentation/Events								AEWDP Documentation/Events															
Major Contracting Events	-Inc II Procurements -Inc II Procurement				-Inc II Procurements				-Inc II Procurements																			
	-AEWDP Dev								-AEWDP Procurement				-AEWDP Procurement				-AEWDP Procurement											
Test & Evaluation	-Inc II Team Portable TRR-2 -Inc II Team Portable DT-2																											
					Inc II Enhanced EW Documentation/Events								AEWDP Documentation/Events															
Cyber Security	-Inc II ASR				-CESAS II ATO Renewal -Inc II ASR				-CESAS II ASR				-CESAS II ASR								-Inc II ASR				-Inc II ASR			
					-Inc II ATO Renewal				-Inc II ASR				-Inc II ASR				-Inc II ASR				-Inc II ASR				-Inc II ASR			
																	-AEWDP ATO				-AEWDP ASR				AEWDP ASR			

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

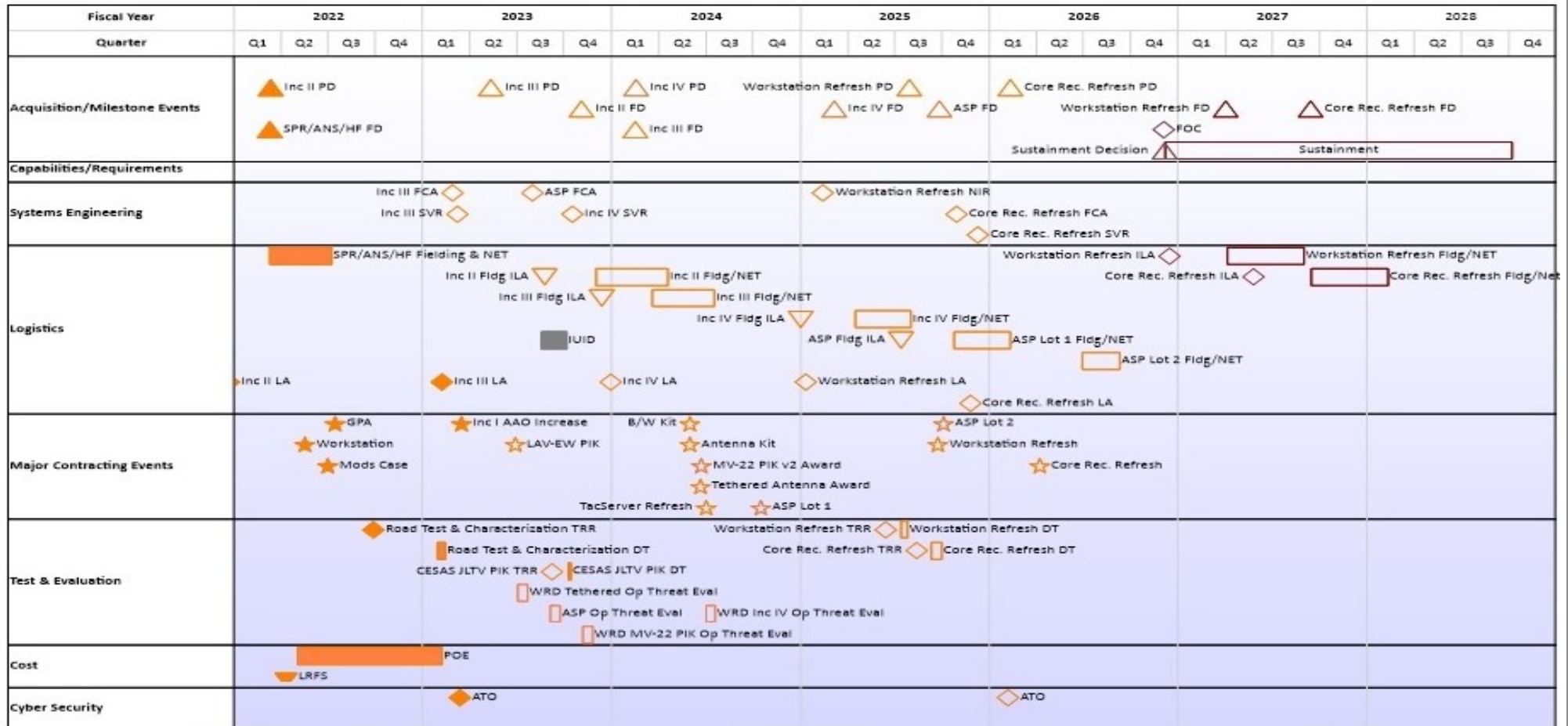
Date: March 2023

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0206625M / USMC Intelligence/Electronics Warfare Sys

Project (Number/Name)
2272 / Intel Command and Control (C2) Sys

TSCS



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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

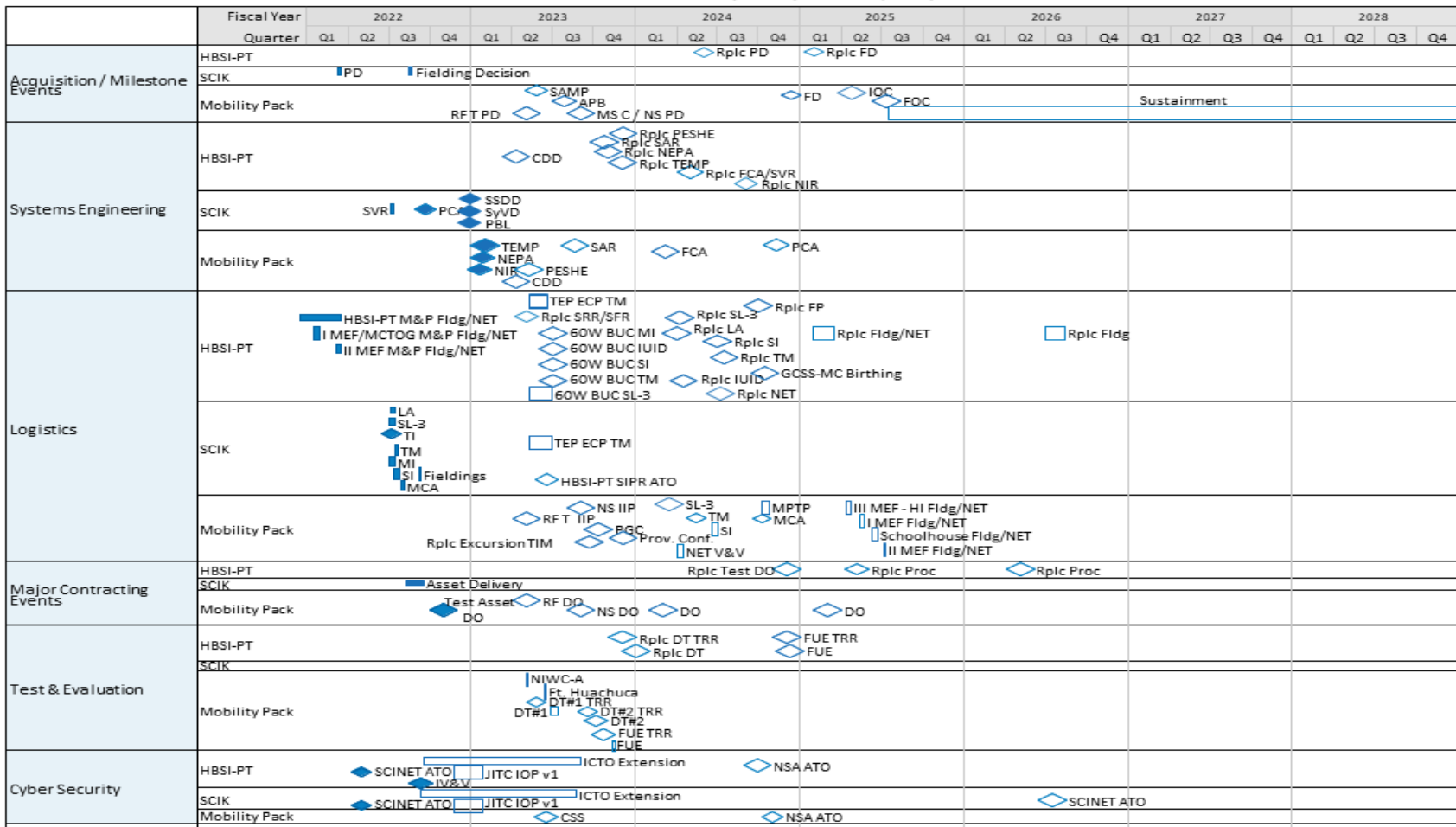
Date: March 2023

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0206625M / USMC Intelligence/Electronics Warfare Sys

Project (Number/Name)
2272 / Intel Command and Control (C2) Sys

SCI Comms Family of Systems (FoS)



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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

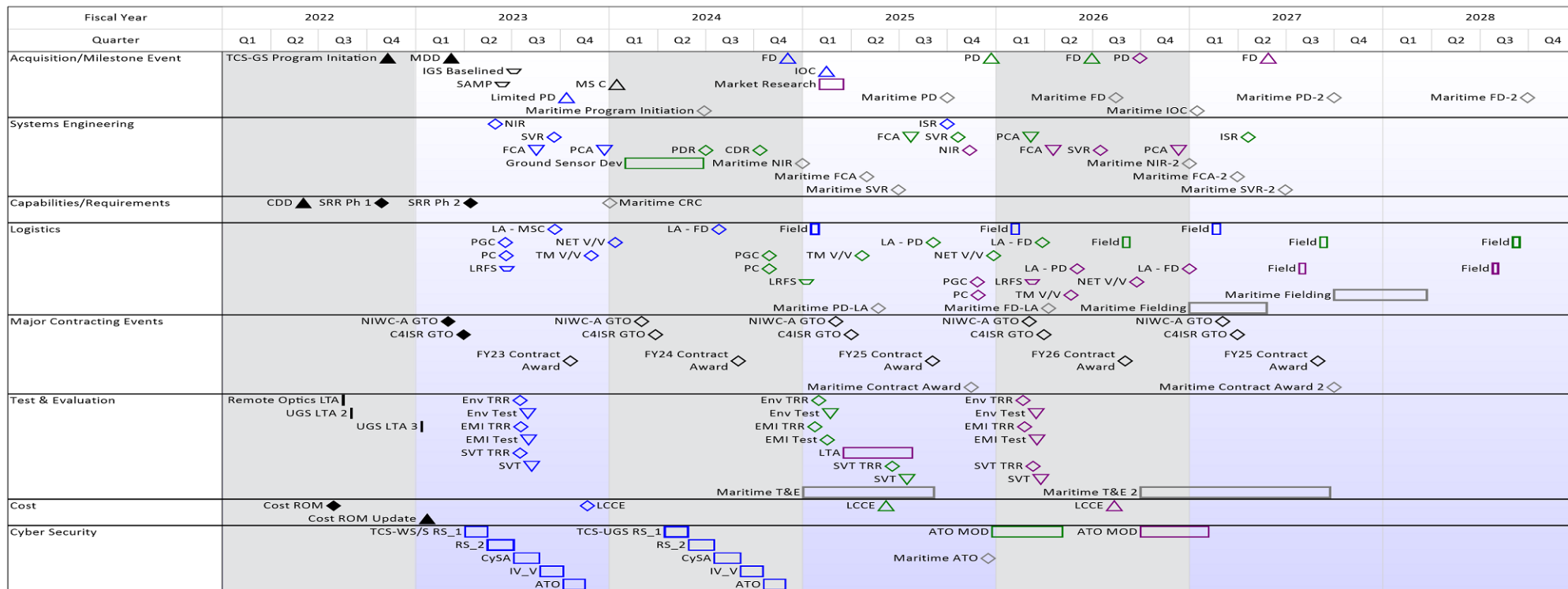
Date: March 2023

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0206625M / USMC Intelligence/Electronics Warfare Sys

Project (Number/Name)
2272 / Intel Command and Control (C2) Sys

Terrestrial Collection Systems (TCS) Schedule



PFM CES_PM IS_THUMINT_TCS (Exhibit).mpp

Snapshot Date: 2/21/2023

Created in OnePager® Pro

Legend	★ MDA Decision Approval (non-MS)	◆ Review	■ TCS / TCS Ground Sensors
	▲ Milestone / Key Acquisition Event	▾ Documentation	■ Ground Sensors – Increment 1
	▼ Assessments, Proposals		■ Ground Sensors - Increment 2
			■ Ground Sensors – Increment 3
			■ TCS Maritime

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 2272 / Intel Command and Control (C2) Sys

MA-DOSS Schedule

Fiscal Year	2023				2024				2025				2026				2027				2028							
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Acquisition & Milestone Events	Pfm CES Prog Des ★				Rap Prot Plan				Field Prototype				PD				MS C				IO C							
Capabilities & Requirements	GO Staffing CDD				MROC																							
Systems Engineering	SRR 2				PDR				CDR				Transportability TRR				FCA				PCA							
Logistics	Sys Name Des Ltr				PSPEC				CMP Anx				EMI TRR				SVR Complete				ENV TRR				DT 1 TRR			
Major Contracting Events	eTEMP				eSEP				LCSP				IUID (MDL)				SL-3 (MDL)				SI (MDL)				DMSMS			
Test & Evaluation													EM Test				ENV Test				DT 1							
Cybersecurity	Step 0				Step 1				Step 2				Step 3				Step 4				Step 5				Step 6			
Office of Naval Research	AFX/MWX				AFX/MWX				AFX/MWX				AFX/MWX				AFX/MWX				AFX/MWX				AFX/MWX			

Legend	
Review	◇
Decision, Approval	★
Document	▽
MS, Key Acquisitions	◇
Assessments, Proposals	◇
Technology Development	Blue bar
Engineering & Manufacturing	Green bar
Production & Deployment	Orange bar
Operations & Support	Grey bar
Middle Tier Acquisition	Black bar

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 2272 / Intel Command and Control (C2) Sys

CIHEP Program Schedule FY22-FY28

Fiscal Quarter	2022				2023				2024				2025				2026				2027				2028			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Acquisition/Milestone Events	VAM/CSCS DD★ CHSCS PD★ SURV2 PD★				★SURV2 DD ★DPM DD ★SURV1 DD ★CHSCS DD				★CLOUD PD EOCM PD EOCM DD★				★CSCS PD ★CLOUD DD DPM PD★ LPI PD★				★CSCS DD ★DPM DD ★CSCS DD LPI DD★				★VAM PD ★CSFC CSCS PD ★SURV PD CSFC EOCM DD△				VAM DD△ CSFC CSCS DD△ SURV DD△			
Capabilities/Requirements	14/15 APBA				FoS APBA				14/15/FOC																			
Systems Engineering	CHSCS CCB				Surv Ph1 PCA				ENV Testing				CSCS TRR (env)				CSFC EOCM NIR				S/C/V Refresh SVR							
Logistics	VAM/CSCS Field				SURV1 Field				CLOUD LA				ECOM Field				CSCS Field				SURV LA				VAM/CSCS LA			
Major Contract Events	★DPM PROC ★SURV1 PROC				★CHSCS PROC ★SURV2 PROC				★CLOUD PROC				★LPI PROTO-PROC				CSFC PROC★											
Test & Evaluation	DPM Test				SURV1 SVT				Cloud Test				LPI Testing				ENV Testing											
Cost	CIHEP Cost ROM				CIHEP LCCE																CIHEP LCCE							
Cyber Security					CIHEP ATO/ATC				Cloud ATO				LPI ATO				CSFC EOCM ATO				CSCS CSFC ATO							

Legend	★ MDA Decision Approval (non-MS)	◆ Review	■ Documentation
	▲ Milestone / Key Acquisition Event	▼ Assessments, Proposals	

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

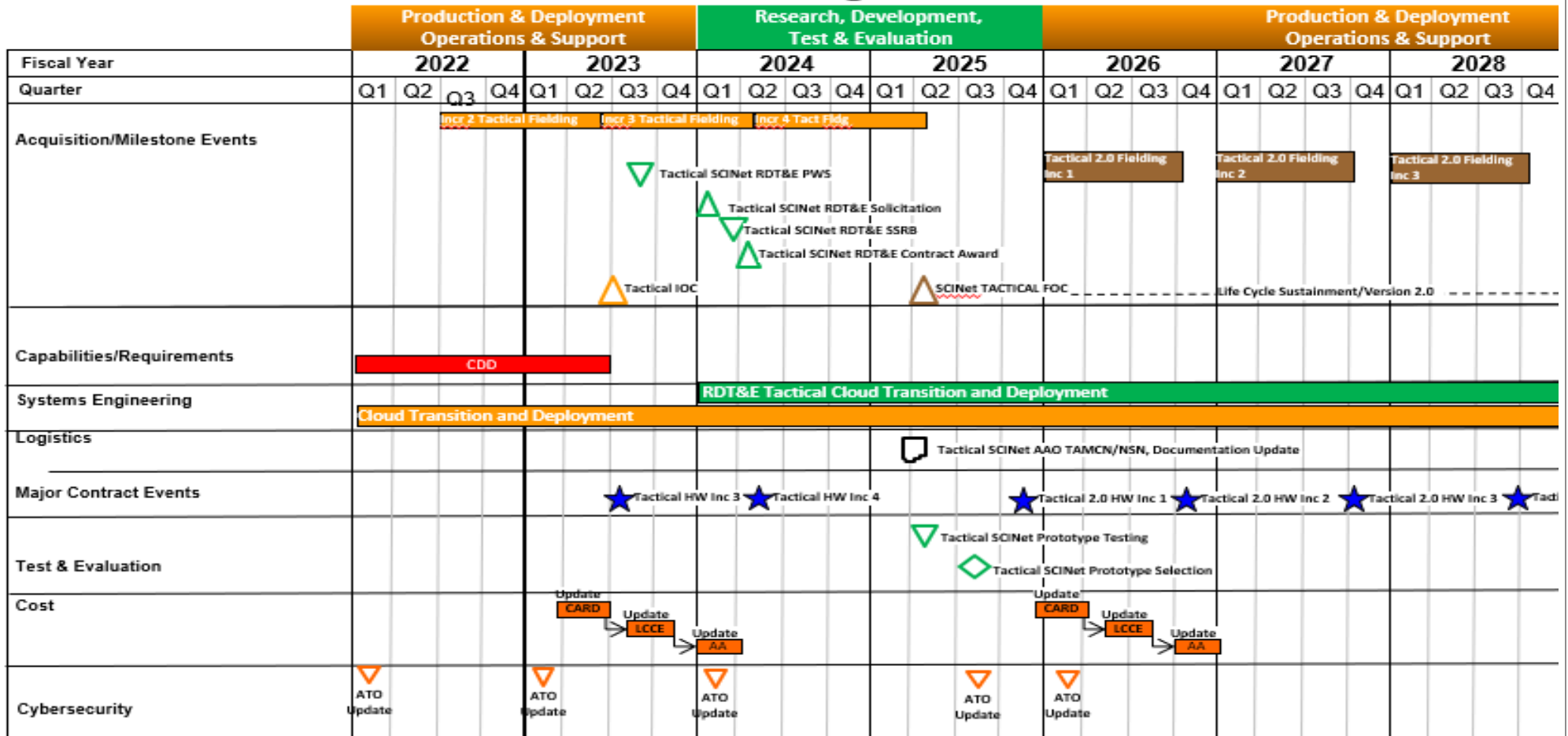
Date: March 2023

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0206625M / USMC Intelligence/Electronics Warfare Sys

Project (Number/Name)
2272 / Intel Command and Control (C2) Sys

SCINet Program Schedule



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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 2272 / Intel Command and Control (C2) Sys

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2272				
CESAS: CESAS II Inc II FoS Production	3	2022	2	2026
CESAS: AEWDP MDD/MS C	2	2024	2	2024
CESAS: SSF Limited Deployment Decision	1	2022	1	2022
IBR Transceiver MDD	3	2023	3	2023
IBR Transceiver Procurement Decision	3	2024	3	2024
IBR ENTR V4 FOC	3	2027	3	2027
TSCS Production Contract Award (Increment 2)	2	2022	2	2022
TSCS Procurement Decision (Increment 2)	1	2022	1	2022
TSCS Procurement Decision (Increment 3)	2	2023	2	2023
TSCS Fielding Decision (Increment 2)	4	2023	4	2023
TSCS Fielding Decision (Increment 3)	1	2024	1	2024
TSCS Procurement Decision (Increment 4)	1	2024	1	2024
SCI COMM Mobility Pack (MP) Network Stack Procurement Decision	3	2023	3	2023
SCI COMM Mobility Pack (MP) Fielding Decision	4	2024	4	2024
SCI COMM Mobility Pack Radio Frequency Delivery Order Award	2	2023	2	2023
SCI COMM Mobility Pack Network Stack Delivery Order Award	3	2023	3	2023
SCI COMM Mobility Pack Combined Delivery Order Award	1	2024	1	2024
Terrestrial Collection: Terrestrial Collection System Ground Sensor (TCS-GS) Program Initiation	4	2022	4	2022
Terrestrial Collection: Terrestrial Collection System Ground Sensor (TCS-GS) MDD	1	2023	1	2023
Terrestrial Collection: Terrestrial Collection System Ground Sensor (TCS-GS) Limited Procurement Decision	4	2023	4	2023

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 2272 / Intel Command and Control (C2) Sys

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Terrestrial Collection: Terrestrial Collection System Ground Sensor (TCS-GS) MS C	1	2024	1	2024
Terrestrial Collection: Maritime Program Initiation	2	2024	2	2024
Terrestrial Collection: Terrestrial Collection System Ground Sensor (TCS-GS) Fielding Decision	4	2024	4	2024
MADOSS Program Initiation MA-DOSS Medium (MDM) MA-DOSS Light (MDL)	2	2023	2	2023
CIHEP Commercial Handheld Satellite Communication Set (CHSCS) Procurement Decision	3	2022	3	2022
CIHEP Surveillance/CI Event Kit Procurement Decision (Phase 2)	3	2022	3	2022
CIHEP Vehicle Accessory Module (VAM)/Commercial Satellite Communications Set (CSCS) Delivery Decision	4	2022	4	2022
CIHEP Surveillance/CI Event Kit Delivery Decision (Phase 1)	1	2023	1	2023
CIHEP Data Processing Module (DPM) Delivery Decision	1	2023	1	2023
CIHEP Commercial Handheld Satellite Communication Set (CHSCS) Delivery Decision	1	2023	1	2023
CIHEP Surveillance/CI Event Kit Delivery Decision (Phase 2)	3	2023	3	2023
CIHEP Expeditionary Office Communication Module (EOCM) Procurement Decision	1	2024	1	2024
CIHEP CLOUD Procurement Decision	2	2024	2	2024
CIHEP Expeditionary Office Communication Module (EOCM) Delivery Decision	3	2024	3	2024
SCINET	3	2024	3	2026

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys				Project (Number/Name) 3771 / Tactical Exploitation of National Capabilities (TENCAP)			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
3771: Tactical Exploitation of National Capabilities (TENCAP)	19.548	6.629	7.085	21.952	-	21.952	23.133	20.603	16.506	11.860	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Tactical Exploitation of National Capabilities (TENCAP) programs provides the innovation and adaptability necessary for the Marine Corps Intelligence Enterprise to support MAGTF operations in increasingly complex environments against technologically savvy adversaries. TENCAP exploits current national reconnaissance systems and programs by examining both technical and operational capabilities, implementing training, and sponsoring concept demonstrations to directly support Marine Corps operating forces. The goal is to pursue technologies which exploit data from national systems to enhance intelligence support to the Marine Air-Ground Task Force (MAGTF) and/or the supported Joint Task Force commander. Additionally, TENCAP supports a persistent, distributed, development, test, and certification environment that addresses critical tactical intelligence capability gaps and delivers sustainable solutions to the operating forces and Marine Corps Systems Command (MSCS) through rapid delivery of emerging technologies.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Tactical Exploitation of National Capabilities (TENCAP): Product Development & Technical Assessments	6.629	7.085	21.952	0.000	21.952
Articles:	-	-	-	-	-
FY 2023 Plans:					
- Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Information Environment Enterprise (MCIEE).					
- Continue to support the Congressionally mandated TENCAP office and all associated ongoing activities, to include the coordination with national agencies, the intelligence community, research laboratories, private industry, and academia, for exploration of collaborative Research and Development (R&D) efforts to bring evolutionary MCIEE capabilities to the operating forces.					
- Continue to support operational planning and enhance operating force capabilities through the identification and development of advanced technologies for the MCIEE architecture.					
- Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities.					
- Continue development, integration, and FUE of innovative national data receive and dissemination capabilities for					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 3771 / Tactical Exploitation of National Capabilities (TENCAP)

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
insertion into MCIEE FY 2024 Base Plans: - Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Information Environment Enterprise (MCIEE). - Continue to support the Congressionally mandated TENCAP office and all associated ongoing activities, to include the coordination with national agencies, the intelligence community, research laboratories, private industry, and academia, for exploration of collaborative Research and Development (R&D) efforts to bring evolutionary MCIEE capabilities to the operating forces. - Continue to support operational planning and enhance operating force capabilities through the identification and development of advanced technologies for the MCIEE architecture. - Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities. - Continue development, integration, and FUE of innovative national data receive and dissemination capabilities for insertion into MCIEE FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: The increase in funding from FY 2023 to FY 2024 supports technical development associated with Joint priorities within the TENCAP program. Specific details are available at a higher classification level.					
Accomplishments/Planned Programs Subtotals	6.629	7.085	21.952	0.000	21.952

C. Other Program Funding Summary (\$ in Millions) N/A
Remarks
D. Acquisition Strategy (U) TENCAP: All work will be led in-house and necessary contractor support will be acquired using existing contracts. Research, test and integrate new technology and conduct advanced technology demonstrations to identify the most appropriate, mature programs for the integration of emerging technologies into the Marine Corps Information Environment Enterprise (MCIEE).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 3771 / Tactical Exploitation of National Capabilities (TENCAP)
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP	C/CPFF	DTIC : FT BELVOIR, VA	13.092	0.000		3.740	Feb 2023	0.000		-		0.000	Continuing	Continuing	Continuing
TENCAP	WR	NIWC-LANT : CHARLESTON, SC	0.512	0.000		0.528	Apr 2023	0.000		-		0.000	Continuing	Continuing	Continuing
TENCAP	WR	NRL : WASHINGTON, DC	1.605	0.870	Apr 2022	0.850	Jan 2023	0.000		-		0.000	0.000	3.325	-
TENCAP	C/CPFF	NSWC-CRANT : CRANE, IN	0.000	0.000		0.239	Feb 2023	0.000		-		0.000	0.000	0.239	-
TENCAP	C/CPFF	DLA TLS : TBD	0.000	0.000		0.416	Apr 2023	0.000		-		0.000	0.000	0.416	-
TENCAP	C/CPFF	DISA/DITCO : TBD	0.000	0.000		0.256	Apr 2023	0.000		-		0.000	0.000	0.256	-
TENCAP	C/CPFF	NAVSEA : TBD	0.000	0.000		1.056	Mar 2023	0.000		-		0.000	0.000	1.056	-
TENCAP	MIPR	AFRL : ROME, NY	0.867	5.759	May 2022	0.000		21.952	Jul 2024	-		21.952	0.000	28.578	-
TENCAP	WR	NIWC-PAC : SAN DIEGO, CA	0.885	0.000		0.000		0.000		-		0.000	0.000	0.885	-
TENCAP	C/CPFF	HQ USSOCOM : TAMPA, FL	0.594	0.000		0.000		0.000		-		0.000	0.000	0.594	-
TENCAP	C/FFP	NSMA : JBAB, DC	0.880	0.000		0.000		0.000		-		0.000	0.000	0.880	-
Subtotal			18.435	6.629		7.085		21.952		-		21.952	Continuing	Continuing	N/A

Remarks
The increase from FY 2023 to FY 2024 is primarily due to a focus on Group 5 UAS ISR Capabilities and payloads.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP	FFRDC	US ARMY CECOM : ABERDEEN PROVING GROUND, MD	1.113	0.000		0.000		0.000		-		0.000	0.000	1.113	-
Subtotal			1.113	0.000		0.000		0.000		-		0.000	0.000	1.113	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / USMC Intelligence/Electronics Warfare Sys	Project (Number/Name) 3771 / Tactical Exploitation of National Capabilities (TENCAP)
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Proj 3771	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
	TENCAP Product Development																											
Empty grid for data entry																												

2024OSD - 0206625M - 3771

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / <i>USMC Intelligence/Electronics Warfare Sys</i>	Project (Number/Name) 3771 / <i>Tactical Exploitation of National Capabilities (TENCAP)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3771				
Continued RD TEN of new and emerging tech into MCIEE	1	2022	4	2028