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

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605873M / <i>Marine Corps Program Wide Supt</i>
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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	0.000	42.480	39.744	34.976	-	34.976	31.709	31.598	31.451	32.107	Continuing	Continuing
0030: <i>Studies & Analysis/MC</i>	0.000	2.627	3.176	3.595	-	3.595	4.022	4.103	4.185	4.269	Continuing	Continuing
0033: <i>OT&E Support</i>	0.000	15.338	15.738	16.356	-	16.356	16.528	16.587	16.608	16.967	Continuing	Continuing
2330: <i>Chem Bio Consequence Mgmt</i>	0.000	1.623	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.623
3009: <i>Marine Corps Wargaming Capability</i>	0.000	19.230	17.306	11.684	-	11.684	6.069	6.190	6.313	6.439	Continuing	Continuing
3783: <i>Information Environment Strategy, Policy and Governance</i>	0.000	3.662	3.524	3.341	-	3.341	5.090	4.718	4.345	4.432	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element (PE) provides the analytical foundation for the Marine Corps Studies System (MCSS), including mandated Mission Area Analyses and Cost and Operational Effectiveness Analyses. It also includes capabilities that facilitate force development, war plan assessment, and concept and combat development. The MCSS is the front end of the Marine Corps's acquisition system. This PE also supports the material acquisition process as follows: managing Marine Corps Operational Test and Evaluations; providing Chemical and Biological Consequence Management capabilities for Weapons of Mass Destruction incident response forces; development of the Wargaming capability; and conducting analyses to inform the development and integration of Marine Corps Information Environment Operations (IE Ops).

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	43.524	39.744	31.311	-	31.311
Current President's Budget	42.480	39.744	34.976	-	34.976
Total Adjustments	-1.044	0.000	3.665	-	3.665
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.044	0.000			
• Program Adjustments	0.000	0.000	4.486	-	4.486
• Rate/Misc Adjustments	0.000	0.000	-0.821	-	-0.821

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Change Summary Explanation The decrease of \$4.768M from FY 2023 to FY 2024 is primarily due to the completion of baselining and finalizing the wargaming software prototype system for Marine Corps Wargaming Capability.		

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

Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt	Project (Number/Name) 0030 / Studies & Analysis/MC
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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
0030: <i>Studies & Analysis/MC</i>	0.000	2.627	3.176	3.595	-	3.595	4.022	4.103	4.185	4.269	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Marine Corps Requirements Oversight Council (MROC) established Operations Analysis Directorate (OAD), as the sole operations research, analytic support, and studies management program for the Marine Corps Study System (MCSS). MCSS analysis is achieving greater efficiency, productivity, and innovation through operations research methodologies such as: operational analysis, statistical analysis, multi-objective decision methods, optimization, cost analysis, and a wide range of computer-based models and combat simulations ensuring the optimization of resources now and in the future. Analyses spans the spectrum of conflict in a Joint, Interagency, Intergovernmental, and Multinational (JIIM) context to inform critical senior level decision makers of current and future national security issues and provides unique and distinct analytic capabilities that enable the collaboration and sharing of analyses that reduces the duplication of topics that are of broad interest. MCSS is an integral part of the Marine Corps and Joint Chiefs decision-making processes to organize, man, train, equip, sustain, and transform resources from the current to the future force.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Studies & Analysis/MC	2.627	3.176	3.595	0.000	3.595
Articles:	-	-	-	-	-
<p>Description: The Marine Corps Studies System (MCSS) supports the Commandant's Force Design 2030 plan. Executive Order 13589, Department of Defense (DoD) Directive 8260.05 Support for Strategic Analysis, and DoD Instruction 8260.2 Implementation of Data Collection, Development, and Management for Strategic Analyses, directs analytic teams apply the following analytic principles: Transparency, Consistency, Integration, use of Standardized and Accepted Methods, thorough consideration of Quantitative and Qualitative Factors, and documentation of Assumptions and Constraints. Program provides research and analysis and findings to ensure a greater understanding of issues and alternatives concerning force design, tactics, wargaming, strategies, intelligence, weapon selection and retention, systems' programs, cyber intel, and resource allocation. Efforts focus on current and future USMC mission requirements and the need for comprehensive analyses that meets the Marine Corps' strategic goals, supports and protects forces in theater, and utilizes funds efficiently.</p> <p>FY 2023 Plans: Continue: FY 2022 analytic efforts requested by the CMC, DC, CD&I, HQMC, and FMF senior leadership across the Marine Corps with comprehensive analysis in the areas of: - Space based Capabilities;</p>					

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Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / <i>Marine Corps Program Wide Supt</i>	Project (Number/Name) 0030 / <i>Studies & Analysis/MC</i>

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"> - Marine Corps Enterprise (MCEN) cyber operations; - Modernization of Munitions Requirements; - Intelligence Satellite Communications; - Maneuver, Logistics and Seabasing Capabilities; - Marine Air and Ground Task Force (MAGTF) Capabilities and Readiness Strategies; - Force Design; - Wargaming, Readiness, MCWL, and NCIP-MC Wargaming Modeling and Simulation; - Training, Education, and Talent Management; - Health of the Force; - Field Logistics; - Mission & Capabilities Integration; - Operational Cyber Weapons Systems; - Joint Services Strategic Planning. <ul style="list-style-type: none"> - Complete: Synthetic Operations Research Model Phase IIII (STORM) that supports analysis involving irregular warfare missions executed in a future Defense Planning Guidance scenario. - Complete: Phase I of Joint Services wargames modeling and simulation analysis and support. Provided analytic input to game design and recommend best practices for the use of methods, models, and tools (MMTs) to meet each wargame's stated objectives. - Complete: Firm, concise statistical data and facts that enable the Marine Corps to make informed decisions in the areas of: Mission Capability Packages, (MCPs); Investment Strategy Aviation; Maneuver; Logistics; Investment Strategy; Joint Capability Assessments (JCAs), and Future Force Development. - Complete: Space Domain modeling and improvements to the completed of MARFORSPACE component command. - Complete: Aviation efforts such as F-35 and CH-53K. - Complete: Undersea Warfare model of communication capabilities required to relay information from the undersea sensors to a command element or undersea asset. Analyzed opportunities for redundancies and alternative pathways to relay the information from sensor to command element. - Complete: Naval Capabilities Integrated Process, USMC, Electromagnetic Warfare Study: Identify and explore gaps in current electromagnetic capabilities and/or capacity in the future operating environment, identify mitigations, and opportunities for exploitation. - Complete: Marine Corps Modeling and Simulation Joint Services contract Phase I; 					

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Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / <i>Marine Corps Program Wide Supt</i>	Project (Number/Name) 0030 / <i>Studies & Analysis/MC</i>

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"> - Initiate: Synthetic Operations Research Model Phase V (STORM) that supports analysis involving irregular warfare missions executed in a future Defense Planning Guidance scenario. These missions include information operations, offensive tactical, and operational CYBER operations, foreign internal defense, special direct action arising from intelligence gathered from Human Intelligence (HUMINT) and technical (SIGINT, CYBER) means. - Initiate: Phase II of Joint Services wargames modeling and simulation analysis and support. Provided analytic input to game design and recommend best practices for the use of methods, models, and tools (MMTs) to meet each wargame's stated objectives. - Initiate: <ul style="list-style-type: none"> - Utility of multi-domain Mobile Reconnaissance units possessing OPF-I, light-weight vehicles, unmanned air and surface systems, boats, and other capabilities necessary to succeed in a contested information environment; - Unmanned Systems and Warfighting Investments and Divestments; - Maritime, multi-domain reconnaissance constructs and activities to enhance the ability of the Stand-in force to dominate the information environment; - Leveraging space domain and artificial intelligence to establish and maintain dominance over existing and emerging threats; - Phase II Marine Corps Modeling and Simulation Joint Services contract, Phase II. - Provide expert analytical support required Ad Hoc by the CMC and DC to meet emergent tasks. - Purchase of Data Center IT equipment required to initiate and execute highly complex modeling and simulation programs. <p><i>FY 2024 Base Plans:</i> Continue: FY 2023 analytic efforts requested by the CMC, DC, CD&I, HQMC, and FMF senior leadership across the Marine Corps with comprehensive analysis in the areas of:</p> <ul style="list-style-type: none"> - Space based Capabilities; - Marine Corps Enterprise (MCEN) cyber operations; - Modernization of Munitions Requirements; - Intelligence Satellite Communications; - Maneuver, Logistics, and Seabasing Capabilities; - Marine Air and Ground Task Force (MAGTF) Capabilities and Readiness Strategies; - Force Design; - Wargaming, Readiness, MCWL, and NCIP-MC Wargaming Modeling and Simulation; 					

UNCLASSIFIED

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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"> - Training, Education, and Talent Management; - Health of the Force; - Field Logistics; - Mission & Capabilities Integration; - Operational Cyber Weapons Systems; - Joint Services Strategic Planning. <p>Complete:</p> <ul style="list-style-type: none"> - Synthetic Operations Research Model Phase V (STORM) that supports analysis involving irregular warfare missions executed in a future Defense Planning Guidance scenario. - Phase II of Joint Services wargames modeling and simulation analysis and support. Provided analytic input to game design and recommend best practices for the use of methods, models, and tools (MMTs) to meet each wargame's stated objectives. - Firm, concise statistical data and facts that enable the Marine Corps to make informed decisions in the areas of: Mission Capability Packages, (MCPs); Investment Strategy Aviation; Maneuver; Logistics; Investment Strategy; Joint Capability Assessments (JCAs), and Future Force Development. - Utility of multi-domain Mobile Reconnaissance units possessing OPF-I, light-weight vehicles, unmanned air and surface systems, boats, and other capabilities necessary to succeed in a contested information environment; - Unmanned Systems and Warfighting Investments and Divestments; - Maritime, multi-domain reconnaissance constructs and activities to enhance the ability of the Stand-in force to dominate the information environment; - Leveraging space domain and artificial intelligence to establish and maintain dominance over existing and emerging threats; - Marine Corps Modeling and Simulation Joint Services contract Phase II; <p>Initiate:</p> <ul style="list-style-type: none"> - Synthetic Operations Research Model Phase VI (STORM) that supports analysis involving irregular warfare missions executed in a future Defense Planning Guidance scenario. These missions include information operations, offensive tactical and operational CYBER operations, foreign internal defense, special direct action arising from intelligence gathered from Human Intelligence (HUMINT) and technical (SIGINT, CYBER) means. - Phase III of Joint Services wargames modeling and simulation analysis and support. Provided analytic input to game design and recommend best practices for the use of methods, models, and tools (MMTs) to meet each wargame's stated objectives. - Unmanned Systems and Warfighting Investments and Divestments; 					

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt	Project (Number/Name) 0030 / Studies & Analysis/MC

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"> - Maritime, multi-domain reconnaissance constructs and activities to enhance the ability of the Stand-in force to dominate the information environment; - Leveraging space domain and artificial intelligence to establish and maintain dominance over existing and emerging threats; - Marine Corps Modeling and Simulation Joint Services contract, Phase III. - Naval Capabilities Integrated Process, USMC, Electromagnetic Warfare Study Phase II. - Provide expert analytical support required Ad Hoc by the CMC and DC to meet emergent tasks. - Purchase of Data Center IT equipment required to initiate and execute highly complex modeling and simulation programs. <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase in funding from FY 2023 to FY 2024 is for continuation of Phase III Joint Services Wargaming and Phase IV STORM contract. Higher complexity analyses and the requirement for skilled professional analysts are required for progression. Additional phases on initiated studies may be required to achieve necessary complete analyses of issues.</p>					
Accomplishments/Planned Programs Subtotals	2.627	3.176	3.595	0.000	3.595

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

N/A

Remarks

D. Acquisition Strategy

N/A

UNCLASSIFIED

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

Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt	Project (Number/Name) 0033 / OT&E Support
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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
0033: OT&E Support	0.000	15.338	15.738	16.356	-	16.356	16.528	16.587	16.608	16.967	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Marine Corps Operational Test and Evaluation Activity (MCOTEA) supports the material acquisition process by managing the Marine Corps Operational Test (OT) programs for Acquisition Categories (ACAT) I through ACAT IV (less OT of manned aircraft) and performs other functions that may be directed by the Commandant of the Marine Corps. The primary purpose of Operational Test and Evaluation (OT&E) is to provide information to the Milestone Decision Authority (MDA) regarding the Operational Effectiveness (OE) and Operational Suitability (OS) of the system addressed at a decision point. MCOTEA must ensure that the Marines in the Operating Forces receive the very best possible equipment and support. MCOTEA must also ensure each system proposed for acquisition is tested adequately, evaluated objectively, and reported independently.

Marine Corps Operational Test and Evaluation Activity (MCOTEA) is the only unit that provides the Marine Corps with required operational test and evaluation (OT&E) capability, ensuring the Marine Corps is compliant with laws and regulations, and ensuring that training and equipment are operationally effective, relevant, and suitable. Additionally, MCOTEA's early involvement, coordination, and oversight in developmental testing and evaluation of new combat and combat support systems ensures that our Marines are the best trained, and have the best equipment, with the lowest test costs for taxpayers. Finally, MCOTEA's support of rapid acquisitions ensures that Marines in the fight are supported with the newest and most advanced equipment and that the Marine Corps is compliant with regulations.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: MCOTEA	15.338	15.738	16.356	0.000	16.356
Articles:	-	-	-	-	-
FY 2023 Plans:					
Continue evaluating, quantifying, and reporting on programs for the operational effectiveness, suitability, and survivability of planned acquisitions to meet warfighting capabilities and will be providing Milestone Decision Authority (MDAs) to programs that are inherently governmental and a comprehensive understanding of operational risk associated with ACAT programs.					
FY 2024 Base Plans:					
Continue evaluating, quantifying, and reporting on programs for the operational effectiveness, suitability, and survivability of planned acquisitions to meet warfighting capabilities and will be providing Milestone Decision					

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt	Project (Number/Name) 0033 / OT&E Support

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Authority (MDAs) to programs that are inherently governmental and a comprehensive understanding of operational risk associated with ACAT programs.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: Increase from FY 2023 to FY 2024 is a result of civilian pay/benefits/awards rate increases					
Accomplishments/Planned Programs Subtotals	15.338	15.738	16.356	0.000	16.356

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

D. Acquisition Strategy
N/A

UNCLASSIFIED

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

Appropriation/Budget Activity 1319 / 6					R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt				Project (Number/Name) 2330 / Chem Bio Consequence Mgmt			
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
2330: Chem Bio Consequence Mgmt	0.000	1.623	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1.623
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Family of Incident Response Systems (FIRS) consists of equipment, systems, and services designed to provide Weapons of Mass Destruction (WMD) incident response forces the capabilities needed to effectively respond to a terrorist attack using Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives (CBRNE). FIRS meets the mission requirements for the detection; mass casualty decontamination; force protection; responder inter-agency interoperability; Command, Control, Communications, Computers & Intelligence (C4I); urban search and rescue; medical and general support requirements needed by these forces to mitigate the effects of a CBRNE terrorist attack. FIRS relies primarily on Commercial Off-The-Shelf/Non-Developmental Items (COTS/NDI) equipment and systems that meet the particular mission requirements of Consequence Management (CM). Nuclear, Biological, and Chemical (NBC) systems are adopted if they meet the CM mission requirements. FIRS Research & Development effort allows the program to keep abreast of emerging technologies in the commercial sector and address operational capability gaps that cannot be met by commercial items.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: FIRS: Family of Incident Response Systems	1.623	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2023 Plans: N/A					
FY 2024 Base Plans: N/A					
FY 2024 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	1.623	0.000	0.000	0.000	0.000

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

N/A

Remarks

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / <i>Marine Corps Program Wide Supt</i>	Project (Number/Name) 2330 / <i>Chem Bio Consequence Mgmt</i>

D. Acquisition Strategy

N/A

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 6					R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt				Project (Number/Name) 3009 / Marine Corps Wargaming Capability			
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
3009: Marine Corps Wargaming Capability	0.000	19.230	17.306	11.684	-	11.684	6.069	6.190	6.313	6.439	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Previously executed within Proj 0030 Studies & Analysis/MC

A. Mission Description and Budget Item Justification

The enhanced Wargaming Capability (WGC) facilitates Force Design by utilizing advanced modeling and simulation systems and analytic assessments of current Operation Plans, Concepts of Operations, future operational and functional concepts, and operational and technology-based approaches. These results will refine our Force Design through our campaign of learning and increase research capacity to maintain the USMC as a "force-in-readiness." The WGC program office is unique from other programs in that the program office is responsible for the system of systems within the facility as well as coordinating the unique manpower requirements. The USMC WGC consists of Wargaming software, model, and simulation tools and systems, a Wargaming and Analysis Center (MILCON Project P-719), and the necessary personnel supporting the new capability.

WGC will provide an enhanced basis for analytically informed decision support to capability development prioritization and resourcing. The WGC program acquisition strategy utilizes 10 U.S.C 2302 Middle Tier of Acquisition (MTA). In 3QFY23, the program plans on transitioning to Rapid Fielding under the MTA. The overarching strategy consists of four phases: Phase I: Risk Reduction Prototyping (FY 2019 - FY 2020); Phase II: Integrated Prototyping (FY 2020 - FY 2022); Phase III: Follow-on Baseline/Production (FY 2023 - FY 2025) Phase IV: Sustainment/Operations (FY 2026+).

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Wargaming Capability	19.230	17.306	11.684	0.000	11.684
Articles:	-	-	-	-	-
FY 2023 Plans:					
FY 2023 plan consists of funding to execute a eight-month period of performance to baseline/finalize (enhance and refine) the wargaming software prototype in preparation for Production Baseline Review (PBR) to establish the initial Product Baseline (iPBL) of the system. Major milestones during this period are: (a) Test Readiness Review to evaluate the readiness of the prototype to proceed into an Operational Demonstration (OpsDemo)/ cyber evaluation; (b) OpsDemo of the vendor's final prototype system; (c) conduct a PBR to establish the iPBL based upon system's performance specification requirements; and (d) conduct a Rapid Fielding designation review and receive a production decision from the acquisition decision authority. In FY 2023, the OpsDemo and					

UNCLASSIFIED

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Appropriation/Budget Activity 1319 / 6	R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt	Project (Number/Name) 3009 / Marine Corps Wargaming Capability

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>cyber evaluation of the final prototyped system will lead to a wargaming software production system in 4Q FY 2023, which will utilize FY 2023 PMC for integration, testing, installation, and accreditation activities in support of a single Secret Wargame for IOC declaration in FY 2024. Additionally, FY 2023 RDTE will fund development/integration of conceptual models and capability enhancements. Conceptual model development and capability enhancements are required to support FY 2025 Full Operational Capability (FOC) objectives and evaluate additional tools and models that may provide enhanced fidelity of the wargaming software production system's synthetic environment used to support Force Design decisions.</p> <p>FY 2024 Base Plans: The FY 2024 RDTE plan continues the development, assessment, and integration of Conceptual Models and other capability enhancements. This RDTE funding will continue to leverage evolving state-of-the-art technologies to meet critical and emerging wargaming requirements and transformational initiatives which facilitate Marine Corps' Force Design 2030. This funding will also support Technology Insertion / Pre-Planned Product Improvement (P3I) initiatives, including hardware enhancements and technological advances of the Information Technology (IT) and Audio-Visual (A/V) infrastructure within the MCWAC facility. The IT and A/V infrastructure integrates the wargaming software materiel solution into the MCWAC and is essential to ensuring optimal functionality in support Force Design decisions. The program will maintain a technology roadmap requirement to continue development of the Conceptual Models and enhancing the capability with P3I technology advances.</p> <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 is primarily due to the completion of baselining the wargaming software prototype.</p>					
Accomplishments/Planned Programs Subtotals	19.230	17.306	11.684	0.000	11.684

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/4630: Common Computer Resources-Marine Corps Wargaming Capability	22.676	8.893	15.422	-	15.422	7.763	3.740	3.802	3.878	Continuing	Continuing

UNCLASSIFIED

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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Remarks
RDTE/3009 and PMC/4630 Marine Corps Wargaming Capability reflects funding associated with Middle Tier Acquisition (MTA) rapid prototyping and fielding.

Marine Corps Wargaming Capability - MTA PMC Funding
 FY 2022: \$22.676M
 FY 2023: \$8.893M
 FY 2024: \$15.422M

Marine Corps Wargaming Capability - MTA RDTE Funding
 Prev: \$8.238M
 FY 2020: \$11.027M
 FY 2021: \$14.423M
 FY 2022: \$19.230M
 FY 2023: \$17.306M
 FY 2024: \$11.684M

D. Acquisition Strategy

The WGC program acquisition strategy takes advantage of 10 U.S.C 2302 Middle Tier of Acquisition (MTA) and was designated a MTA for Rapid Prototyping in May 2019. The overarching strategy consists of four phases: Phase I: Risk Reduction Prototyping (FY 2019 - FY 2020); Phase II: Integrated Prototyping (FY 2020 - FY 2022); Phase III: Follow-on Baselineing/Production (FY 2023 - FY 2025); Phase IV: Sustainment/Operations (FY 2026+).

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 6					R-1 Program Element (Number/Name) PE 0605873M / Marine Corps Program Wide Supt				Project (Number/Name) 3783 / Information Environment Strategy, Policy and Governance			
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
3783: Information Environment Strategy, Policy and Governance	0.000	3.662	3.524	3.341	-	3.341	5.090	4.718	4.345	4.432	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Information Environment (IE) is a global, interconnected, complex, continuously changing eco-system that is increasingly connected across our war fighting functions. Given the complexity and the speed of changes in the IE and to address the significant role information now plays in current and future conflicts, a unifying operational and technical strategy must be developed to outpace our adversaries.

Analysis will inform the development and integration of Marine Corps Information Environment Operations (IE Ops) that are guided by the 38th Commandant's Planning Guidance (CPG) and Marine Corps Force Design. Research and analysis efforts support: design and coordinated implementation of an Objective Network to fight on and through a contested environment; design and collaboration on a Naval Tactical Grid and a Joint Tactical Grid; a threat estimate to inform capability development; and analysis to inform the development and fielding of an integrated information capability. These efforts will be accomplished leveraging analytic support from government Labs and Industry to dynamically exploit our National Defense Strategy (NDS) priority operational problems related to the Information Environment through limited user evaluations and functional capability assessments with Marines. In addition, rapid development of capabilities to address problems in the IE Ops will be developed utilizing the Accelerator process which utilizes best commercial practice of design thinking.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Information Environment Strategy	3.662	3.524	3.341	0.000	3.341
Articles:	-	-	-	-	-
FY 2023 Plans:					
- Continue to conduct innovation activities across the information domain to develop user centered capabilities for the future operating environment.					
- Continue to focus on the Information Warfare capabilities within the Deputy Commandant for Information portfolio. This includes the following capabilities; Information Operations, Electronic Warfare, Tactical Command and Control, and Cyber Operations.					
- Continue rapid development of capabilities to address problems supporting Operations in the Information Environment, utilizing the Accelerator and incubator processes. The Marine Corps Information Environment Enterprise (MCIEE) Information Modernization team will develop and transition software and hardware solutions to Programs of Record.					

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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
<p>- This funding also supports MCIEE efforts that align to the CMC Force Design 2030.</p> <p>FY 2024 Base Plans:</p> <ul style="list-style-type: none"> - Continue to conduct innovation activities across the information domain to develop user centered capabilities for the future operating environment. - Continue to focus on the Information Warfare capabilities within the Deputy Commandant for Information portfolio. This includes the following capabilities; Information Operations, Electronic Warfare, Tactical Command and Control, and Cyber Operations. - Continue rapid development of capabilities to address problems supporting Operations in the Information Environment, utilizing the Accelerator and incubator processes. The Marine Corps Information Environment Enterprise (MCIEE) Information Modernization team will develop and transition software and hardware solutions to Programs of Record. - This funding also supports MCIEE efforts that align to the CMC Force Design 2030. <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease from FY 2023 to FY 2024 aligns to the scope of the development being conducted.</p>					
Accomplishments/Planned Programs Subtotals	3.662	3.524	3.341	0.000	3.341

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

N/A

Remarks

D. Acquisition Strategy

N/A