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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 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</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	53.154	23.299	37.038	2.068	-	2.068	13.447	11.589	8.423	8.591	Continuing	Continuing
2952: <i>Cyber Mission Force</i>	0.000	0.000	22.037	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	22.037
2958: <i>Cyberspace Activities</i>	53.154	23.299	15.001	2.068	-	2.068	13.447	11.589	8.423	8.591	Continuing	Continuing

A. Mission Description and Budget Item Justification

MARFORCYBER provides advanced cyber warfare capabilities in direct support of US Cyber Command (USCYBERCOM), Marine Corps Commanders, and national agencies to enable and accomplish global operations. Activities within the project deliver cyberspace superiority capabilities through the research, development, testing, evaluation, and integration of cyber technologies. The project enables Commanders to disrupt, deny, degrade, or destroy targets. Research and develop software constructed cyber weapons disrupt rising advanced peer and near-peer threats, as well as violent extremist organizations seeking to do harm to the United States. The software constructed cyber weapons are target specific and require high quality, rapid adjustments to achieve desired effects at acceptable levels of risk. The specific details and aspects of these cyber activities are held at a higher classification level.

Adversarial Cyber Developmental Test and Evaluation: Provides adversarial penetration testing services to Marine Corps Systems Command (MCSC) programs of record (PoRs) via Marine Corps Tactical Systems Support Activity (MCTSSA). MCTSSA serves as the Marine Corps Enterprise Network (MCEN) Cyber Developmental Test and Evaluation (DT&E) agent in accordance with NDAA 1640, PL-113 -283, DODI 8510. 01, DODI 5000.2, CNSS-1253, NIST-SP-800-53, and the DoD Cyber Security Test and Evaluation Guidebook. MCTSSA also serves as the USMC Cyber Developmental Test (DT) Center of Excellence, conducting mission-based cyber vulnerability assessments in accordance with policy-directed taskings. Assessments include, but are not limited to, (1) zero-day discoveries, (2) target maintenance resources to prove vulnerabilities vs. false positives, (3) informing Operational Commanders and Enterprise Leadership of mission critical Cyber security issues, (3) informing prioritization of cyber security threat investment decisions, (4) informing USMC DCO staff on advanced cyber threats to increase their skill set in detecting advanced cyber attacks and threats, and (5) ensuring Command & Control (C2) enhances the resiliency of the Marine Air-Ground Task Force (MAGTF) in a cyber-denied environment.

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B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	23.768	37.038	10.397	-	10.397
Current President's Budget	23.299	37.038	2.068	-	2.068
Total Adjustments	-0.469	0.000	-8.329	-	-8.329
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.469	0.000			
• Program Adjustments	0.000	0.000	-6.858	-	-6.858
• Rate/Misc Adjustments	0.000	0.000	-1.471	-	-1.471

Change Summary Explanation

The majority of the decrease of \$34.970M from FY 2023 to FY 2024 is reflective of the realignment of all funding supporting Cyber Operations support and the transfer of Cyber development to USCYBERCOM.

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2952 / <i>Cyber Mission Force</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
2952: <i>Cyber Mission Force</i>	0.000	0.000	22.037	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	22.037
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Beginning in FY 2023, project 2952, Cyber Mission Force, was created in order to provide transparency for funding that transferred to U.S. Cyber Command in FY 2024. Specifically, in FY 2023 \$22.037M was transferred from project 2958 Joint Cyber Weapons into project 2952 Cyber Mission Forces to support a functional transfer to U.S. Cyber Command in support of Enhanced Budget Controls in FY 2024.

A. Mission Description and Budget Item Justification

MARFORCYBER: Funding enables highly skilled software engineers, exploit developers, integrators, testers, evaluators, and systems to develop joint cyberspace tools. The software engineers are highly skilled contractors who are software developers with a 12-month period of performance, associated to a standard twenty-six (26) pay period burn rate for services rendered. The tools will deter rising and near-peer threats, as well as violent extremist organizations who are actively seeking to harm the United States by attacking logistics and distribution systems, disrupting critical infrastructure, and purloining advanced U.S. technology. The specific details and aspects of these cyberspace activities are available at a higher classification level.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Joint Cyberspace Weapons	0.000	22.037	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2023 Plans:					
Funding enables highly skilled software engineers, exploit developers, integrators, testers, evaluators, and systems to develop joint cyberspace tools. The software engineers are highly skilled contractors who are software developers with a 12-month period of performance, associated to a standard twenty-six (26) pay period burn rate for services rendered. The tools will deter rising and near-peer threats, as well as violent extremist organizations who are actively seeking to harm the United States by attacking logistics and distribution systems, disrupting critical infrastructure, and purloining advanced U.S. technology. The specific details and aspects of these cyberspace activities are available at a higher classification level.					
FY 2024 Base Plans:					
Beginning in FY 2024 funding was transferred to USCYBERCOM.					
FY 2024 OCO Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2952 / <i>Cyber Mission Force</i>

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					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> Decrease of \$22.037M in FY 2024 is due to the transfer to USCYBERCOM.					
Accomplishments/Planned Programs Subtotals	0.000	22.037	0.000	0.000	0.000

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

Remarks

D. Acquisition Strategy

MARFORCYBER: The contract period of performance is 12 months, associated to a standard twenty-six (26) pay period burn rate for services rendered with options into future fiscal years. The contract place of performance will be located at Fort Meade, Maryland. The contracting authority will be Naval Information Warfare Center (NIWC) Pacific and Air Force Research Laboratory (AFRL).

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2952 / <i>Cyber Mission Force</i>
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Proj 2952	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								
					Joint Cyberspace Weapons Enhancements																															

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2952 / <i>Cyber Mission Force</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2952				
Joint Cyberspace Weapons Enhancements	2	2023	2	2026

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2958 / <i>Cyberspace Activities</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
2958: <i>Cyberspace Activities</i>	53.154	23.299	15.001	2.068	-	2.068	13.447	11.589	8.423	8.591	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Commander, Marine Forces Cyber Command (COMMARFORCYBERCOM), as the Marine Corps service component commander for the Commander, U.S. Cyber Command (CDRUSCYBERCOM), represents Marine Corps capabilities and interests; advises CDRUSCYBERCOM on the proper employment and support of Marine Corps forces; and coordinates deployment, employment, and redeployment planning and execution of attached forces. MARFORCYBER provides highly skilled software engineers with critical certification that support the implementation and creation of capabilities that enable automation of key system attributes and components. In addition, these personnel provide support to Department of Defense Information Network systems, Defensive Cyberspace Operations systems, and global operations in support of US Cyber Command. These software engineers are developing automation capabilities to identify and mitigate common vulnerabilities and exposures (CVEs) to ensure security of our network, to include our cloud migration, enable our cyber mission force operators to increase lethality against current operational threats, and provide for increased response times to adversary threats to our friendly networks.

Adversarial Cyber Developmental Test and Evaluation: Provides adversarial penetration testing services to Marine Corps Systems Command (MCSC) programs of record (PoRs) via Marine Corps Tactical Systems Support Activity (MCTSSA). MCTSSA serves as the Marine Corps Enterprise Network (MCEN) Cyber Developmental Test and Evaluation (DT&E) agent in accordance with NDAA 1640, PL-113 -283, DODI 8510. 01, DODI 5000.2, CNSS-1253, NIST-SP-800-53, and the DoD Cyber Security Test and Evaluation Guidebook. MCTSSA also serves as the USMC Cyber Developmental Test (DT) Center of Excellence, conducting mission-based cyber vulnerability assessments in accordance with policy-directed taskings. Assessments include, but are not limited to, (1) zero-day discoveries, (2) target maintenance resources to prove vulnerabilities vs. false positives, (3) informing Operational Commanders and Enterprise Leadership of mission critical Cyber security issues, (3) informing prioritization of cyber security threat investment decisions, (4) informing USMC DCO staff on advanced cyber threats to increase their skill set in detecting advanced cyber attacks and threats, and (5) ensuring Command & Control (C2) enhances the resiliency of the Marine Air-Ground Task Force (MAGTF) in a cyber-denied environment.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Combat Support Team	5.277	9.916	0.319	0.000	0.319
Articles:	-	-	-	-	-
Description: Combat Support Team supports existing cyber mission teams with cyber weapons developers.					
FY 2023 Plans: During FY 2023 MARFORCYBER's mission will grow by increasing operations focused on Great Power Competition and Integrated Deterrence. Funding will continue to enable cyber support teams (CST), which					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2958 / <i>Cyberspace Activities</i>

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>are manned with highly skilled software engineers, exploit developers, integrators, testers, evaluators and systems that support weapon creation. The software engineers are highly skilled contractors who are software developers with a 12-month period of performance, associated to a standard twenty-six (26) pay period burn rate for services rendered. The CSTs will continue to develop prototypes for testing new cyber tools to outpace modernized defenses used by peer adversaries and enhance the lethality and relevance of software constructed cyber tools that disrupt near peer, violent extremist organizations, and adversaries to the United States. MARFORCYBER provides these tools to the Joint Force to target specific threats that require high quality, rapid adjustments to achieve desired effects at acceptable levels of risk. The specific details and aspects of these cyberspace activities are held at a higher classification level.</p> <p>FY 2024 Base Plans: FY 2024 funding will continue to enable cyber support teams (CST), which are manned with highly skilled software engineers, exploit developers, integrators, testers, evaluators and systems that support weapon creation. The software engineers are highly skilled contractors who are software developers with a 12-month period of performance, associated to a standard twenty-six (26) pay period burn rate for services rendered. The CSTs will continue to develop prototypes for testing new cyber tools to outpace modernized defenses used by peer adversaries and enhance the lethality and relevance of software constructed cyber tools that disrupt near peer, violent extremist organizations, and adversaries to the United States. MARFORCYBER provides these tools to the Joint Force to target specific threats that require high quality, rapid adjustments to achieve desired effects at acceptable levels of risk. The specific details and aspects of these cyberspace activities are held at a higher classification level.</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 reflects a program adjustment due to the availability of prior year funds.</p>					
<p>Title: Joint Cyberspace Weapons</p> <p align="right">Articles:</p> <p>Description: Develop new and specialized cyber weapons targeted at advanced threats in cyberspace.</p> <p>FY 2023 Plans:</p>	15.632	0.000	0.000	0.000	0.000
	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2958 / <i>Cyberspace Activities</i>

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 in funding from FY23 to FY24 is due to the need to realign resources to other high priority efforts.					
Accomplishments/Planned Programs Subtotals	23.299	15.001	2.068	0.000	2.068

C. Other Program Funding Summary (\$ in Millions)											
	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/4645: MARFORCYBER	28.086	17.759	27.583	-	27.583	19.840	20.195	20.573	24.248	0.000	229.901

Remarks

D. Acquisition Strategy

The contract period of performance will be 12 months, associated to a standard twenty-six (26) pay period burn rate for services rendered with options into future fiscal years. The contract place of performance will be located at Fort Meade, Maryland. The contracting authority will be Naval Information Warfare Center (NIWC) Pacific and Air Force Research Laboratory (AFRL).

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2958 / <i>Cyberspace Activities</i>
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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			
Combat Support Team	Various	NIWC PACIFIC : Fort Meade, MD	20.658	5.277	Jan 2022	9.916	Jan 2023	0.319	Jan 2024	-		0.319	Continuing	Continuing	Continuing
Subtotal			20.658	5.277		9.916		0.319		-		0.319	Continuing	Continuing	N/A

Remarks
The decrease from FY 2023 to FY 2024 reflects program adjustment for under-execution due to the inability to fill staffing positions that require TS/SCI security clearances.

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			
Prior Year Operational Test & Evaluation Not Funded FYDP (PYOT&E)	Various	Various : Various	2.347	2.390	Mar 2022	0.000	Jan 2023	0.000	Jan 2024	-		0.000	0.000	4.737	-
Developmental Test & Evaluation (DT&E)	Various	Various : Various	30.149	15.632	Jan 2022	0.000	Jan 2023	0.000		-		0.000	Continuing	Continuing	Continuing
Operational Test & Evaluation (OT&E)	Various	Various : Various	0.000	0.000		5.085	Jan 2023	1.749	Jan 2024	-		1.749	0.000	6.834	-
Subtotal			32.496	18.022		5.085		1.749		-		1.749	Continuing	Continuing	N/A

Remarks
The decrease in funding from FY23 to FY24 is due a Marine Corps decision to realign resources to other high priority effort.

	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	53.154	23.299	15.001	2.068	-	2.068	Continuing	Continuing	N/A

Remarks

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

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0306250M / <i>Cyber Operations Technology Development</i>	Project (Number/Name) 2958 / <i>Cyberspace Activities</i>
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Cyberspace Activities	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				
Enterprise IT Security & Compliance Enterprise IT Security & Compliance																																
Combat Support Team Combat Support Team																																

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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Cyberspace Activities</i>				
Enterprise IT Security & Compliance: Enterprise IT Security & Compliance: Enterprise IT Security & Compliance	2	2023	4	2026
Combat Support Team: Combat Support Team: Combat Support Team	2	2023	4	2026