Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy											Date: February 2018	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*						**R-1 Program Element (Number/Name)** PE 0306250M *I (U)Cyber Operations Technology Development*						

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	0.000	2.349	4.502	6.808	-	6.808	6.910	7.020	7.229	7.379	Continuing	Continuing
2958: *Cyberspace Activities*	0.000	2.349	4.502	6.808	-	6.808	6.910	7.020	7.229	7.379	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element supports cost associated with research, development, and modification of cyber technologies supporting Marine Corps Cyber Mission Forces (CMF) and missions assigned by USCYBERCOM.

The Strategic Cyber Security Operations Development is an initiative to conduct engineering and manufacturing development tasks aimed at the attainment and maintenance of the security properties of the Marine Corps and its assets against relevant security risks within the cyber environment. This project includes cyber security tools system development, integration, enhancement and demonstrations designed at protecting and defending the Marine Corps Enterprise Network (MCEN); defending national interests against cyberattacks of significant consequence; and providing integrated cyber capabilities to support military operations and contingency plans. The project incorporates development of strategic partnerships with defense intelligence agencies and commercial cyber security developers in order to leverage current and emerging cyber security technologies in defensive/offensive tools, policies, security concepts, security safeguards, guidelines, risk management approaches, actions, training, and best practices that can be used to protect the Marine Corps' cyber domain; organization and user's assets. Marine Corps' organization and user's assets include connected computing devices, infrastructure, applications, services, telecommunications systems, and the totality of transmitted and/or stored information in the cyber environment.

B. Program Change Summary ($ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	4.942	4.502	6.886	-	6.886
Current President's Budget	2.349	4.502	6.808	-	6.808
Total Adjustments	-2.593	0.000	-0.078	-	-0.078
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.093	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.078	-	-0.078
• Congressional Directed Reductions Adjustments	-2.500	-	-	-	-

Exhibit R-2, **RDT&E Budget Item Justification:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0306250M *I (U)Cyber Operations Technology Development*	

Change Summary Explanation
The increase of $2.306 from FY18 to FY19 is to provide the full requirement of 13 tool developers and infrastructure development capability.

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy										Date: February 2018	
Appropriation/Budget Activity 1319 / 5				**R-1 Program Element (Number/Name)** PE 0306250M I (U)Cyber Operations Technology Development				**Project (Number/Name)** 2958 I Cyberspace Activities			

COST ($ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
2958: *Cyberspace Activities*	0.000	2.349	4.502	6.808	-	6.808	6.910	7.020	7.229	7.379	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This program element supports cost associated with research, development, and modification of cyber technologies supporting Marine Corps Cyber Mission Forces (CMF) and missions assigned by USCYBERCOM.

The Strategic Cyber Security Operations Development is an initiative to conduct engineering and manufacturing development tasks aimed at the attainment and maintenance of the security properties of the Marine Corps and its assets against relevant security risks within the cyber environment. This project includes cyber security tools system development, integration, enhancement and demonstrations designed at protecting and defending the Marine Corps Enterprise Network (MCEN); defending national interests against cyber attacks of significant consequence; and providing integrated cyber capabilities to support military operations and contingency plans. The project incorporates development of strategic partnerships with defense intelligence agencies and commercial cyber security developers in order to leverage current and emerging cyber security technologies in defensive/offensive tools, policies, security concepts, security safeguards, guidelines, risk management approaches, actions, training, and best practices that can be used to protect the Marine Corps' cyber domain; organization and user's assets. Marine Corps' organization and user's assets include connected computing devices, infrastructure, applications, services, telecommunications systems, and the totality of transmitted and/or stored information in the cyber environment.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Cyber Tool Development	2.349	4.502	6.808	0.000	6.808
Articles:	-	-	-	-	-

FY 2018 Plans:
Continue the cyber tool development process for MARFORCYBERCOM. The task requires complex and experienced skill sets in order to write code and perform: technology research, software and engineering development, integration of systems concepts, prevention of adversary presence, product development.

FY 2019 Base Plans:
Continue the cyber tool development process for MARFORCYBERCOM. The task requires complex and experienced skill sets in order to write code and perform: technology research, software and engineering development, integration of systems concepts, prevention of adversary presence, product development.

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0306250M / (U)Cyber Operations Technology Development	**Project (Number/Name)** 2958 / Cyberspace Activities

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
The increase of $2.384M from FY18 to FY19 is to provide the full requirement of 13 tool developers and infrastructure development capability. ***FY 2019 OCO Plans:*** N/A ***FY 2018 to FY 2019 Increase/Decrease Statement:*** The increase of $2.306M from FY18 to FY19 is to provide the full requirement of 13 tool developers and infrastructure development capability.					
Accomplishments/Planned Programs Subtotals	2.349	4.502	6.808	0.000	6.808

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

D. Acquisition Strategy
 The funding will be used for contracted tool developers located at Fort Meade, Maryland and through the establishment of
 a contract with SPAWAR PACIFIC for the preponderance of the work. However,other vendors or government activities that are yet to be determined will be used in
 further infrastructure development for the cyber environment.

E. Performance Metrics
 TBD during Program/Technical reviews

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2019 Navy												**Date:** February 2018		
Appropriation/Budget Activity 1319 / 5				**R-1 Program Element (Number/Name)** PE 0306250M / (U)Cyber Operations Technology Development								**Project (Number/Name)** 2958 / Cyberspace Activities		

Product Development ($ in Millions)				**FY 2017**		**FY 2018**		**FY 2019 Base**		**FY 2019 OCO**		**FY 2019 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**
Tool Development	Various	NSA : Fort Meade	0.000	2.349	Jan 2017	4.502	Jan 2018	6.808	Jan 2019	-		6.808	Continuing	Continuing	Continuing
Subtotal			0.000	2.349		4.502		6.808		-		6.808	Continuing	Continuing	N/A

Remarks

MARFORCYBER will continue previous efforts of providing tool developers and to support other development environment
efforts, in order to support full spectrum cyberspace operations (offensive and defensive) mission requirements by developing software capabilities to protect the Marine Corps
cyber domain and infrastructure development of the cyber environment. The increase of $2.306M from FY18 to FY19 is to provide the full requirement of 13 tool developers and
infrastructure development capability.

	Prior Years	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Project Cost Totals	0.000	2.349	4.502	6.808	-	6.808	Continuing	Continuing	N/A

Remarks

Exhibit R-4, **RDT&E Schedule Profile:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 *I* 5	**R-1 Program Element (Number/Name)** PE 0306250M *I (U)Cyber Operations Technology Development*	**Project (Number/Name)** 2958 *I Cyberspace Activities*

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Proj 2958																												
Tool Development																												

Exhibit R-4A, **RDT&E Schedule Details:** PB 2019 Navy		**Date:** February 2018
Appropriation/Budget Activity 1319 *I* 5	**R-1 Program Element (Number/Name)** PE 0306250M *I (U)Cyber Operations Technology Development*	**Project (Number/Name)** 2958 *I Cyberspace Activities*

Schedule Details

Events by Sub Project	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
Proj 2958				
Tool Development	3	2017	4	2023