Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy	Date: March 2023
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604320M *I Rapid Technology Capability Prototype*

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	23.208	11.199	67.927	131.763	-	131.763	18.202	18.254	18.121	18.384	Continuing	Continuing
0386: *Rapid Prototype Development, Marine Corps*	20.312	6.372	62.927	131.763	-	131.763	18.202	18.254	18.121	18.384	Continuing	Continuing
9999: *Congressional Adds*	2.896	4.827	5.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.723

A. Mission Description and Budget Item Justification

The Commandant of the Marine Corps (CMC) directed the formation of the Marine Corps Rapid Capabilities Office (MCRCO) to seek emergent and disruptive capability for rapid transition to the Fleet Marine Forces (FMF), increasing survivability, lethality, and effectiveness of the operational force. Prototypes transition to FMF will be at a Technology Readiness Level 7 or higher and can be either non-developmental government off the shelf, non-developmental commercial off the shelf, or developmental items.

B. Program Change Summary ($ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	11.555	62.927	12.252	-	12.252
Current President's Budget	11.199	67.927	131.763	-	131.763
Total Adjustments	-0.356	5.000	119.511	-	119.511
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	5.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.356	0.000			
• Program Adjustments	0.000	0.000	-0.892	-	-0.892
• Rate/Misc Adjustments	0.000	0.000	120.403	-	120.403

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2022	FY 2023
Project: 9999: *Congressional Adds*		
Congressional Add: *Rapid technology capability prototyping*	4.827	0.000
Congressional Add: *Marine Corps warfighting lab partnership*	0.000	5.000
Congressional Add Subtotals for Project: 9999	4.827	5.000
Congressional Add Totals for all Projects	4.827	5.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy	Date: March 2023
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604320M *I Rapid Technology Capability Prototype*

Change Summary Explanation

The increase of $68.836M from FY 2023 to FY 2024 is due to the increase of funds supporting the Rapid Defense Experimentation Reserve (RDER) initiative, facilitating rapid modernization of the force, specifically in support of: Penetrating Affordable Autonomous Collaborative Killer - Portfolio (PAACK-P), Marine Expeditionary Littoral Persistence Surveillance (MELPS), Forward Casualty Care, Enhanced Forward Edge Command & Control, Tactical Coalition Optical Resupply of EABs (T-CORE), Resilient Maritime Communications, Seabiscuit, Autonomous Low Profile Vessel (ALPV), Resilient Expeditionary Agile Littoral Logistics (REALL), Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM), and Project Osprey.

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy			Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604320M / *Rapid Technology Capability Prototype*	Project (Number/Name) 0386 / *Rapid Prototype Development, Marine Corps*	

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
0386: *Rapid Prototype Development, Marine Corps*	20.312	6.372	62.927	131.763	-	131.763	18.202	18.254	18.121	18.384	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Commandant of the Marine Corps (CMC) directed the formation of the Marine Corps Rapid Capabilities Office (MCRCO) to seek emergent and disruptive capability for rapid transition to the Fleet Marine Forces (FMF), increasing survivability, lethality, and effectiveness of the operational force. Prototypes transition to FMF will be at a Technology Readiness Level 7 or higher and can be either non-developmental government off the shelf, non-developmental commercial off the shelf, or developmental items.

Additional details about the MCRCO, including project specifics, can be provided at a higher classification.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: Product Development	3.855	55.457	117.152	0.000	117.152
Articles:	-	-	-	-	-
FY 2023 Plans: - Continue prototype development and operational assessment of Expeditionary Advanced Base Operations (EABO) from self-sufficiency capability. - Continue prototype development and operational assessment of Unmanned-Multi-Dimensional Battlefield Effects (UM-DBE) from Unmanned Systems. - Continue development and operational assessment of All Source/All Shooter Fires Integration (AS2FI) from Ground Based Long-Range Precision Fires. - Initiate development of capabilities for active and passive sensing and engagement concepts. - Initiate assessment of highly effective physical and non-physical counter-C5ISRT. - Initiate prototype development of emergent technologies to transport logistics through the littorals and Pacific Area of Responsibility (AOR). - Initiate enhancements to the USMC's MQ-9 platforms capabilities through development of future payloads - Initiate the rapid fielding of tactical networking and processing capabilities, networked with national and in-theater tactical feeds to increase capabilities operating at the tactical edge.					

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
- Initiate the development of partnering crewed assets with attritable, risk-worthy uncrewed assets that will employ weapons, sensors, and communications suites to execute mission sets in an operationally relevant environment.					
FY 2024 Base Plans: - Complete prototype development and operational assessment of Expeditionary Advanced Base Operations (EABO) from self-sufficiency capability. - Complete prototype development and operational assessment of Unmanned-Multi-Dimensional Battlefield Effects (UM-DBE) from Unmanned Systems. - Complete development and operational assessment of All Source/All Shooter Fires Integration (AS2FI) from Ground Based Long-Range Precision Fires. - Complete development of capabilities for active and passive sensing and engagement concepts. - Complete assessment of highly effective physical and non-physical counter-C5ISRT. - Continue the rapid fielding of tactical networking and processing capabilities, networked with national and in-theater tactical feeds to increase capabilities operating at the tactical edge. - Continue the development of partnering crewed assets with attritable, risk-worthy uncrewed assets that will employ weapons, sensors, and communications suites to execute mission sets in an operationally relevant environment. - Continue prototype development of emergent technologies to transport logistics through the littorals and Pacific Area of Responsibility (AOR). - Continue enhancements to the USMC's MQ-9 platforms capabilities through development of future payloads. - Initiate prototype development and deployment of the Marine Expeditionary Littoral Persistence Surveillance (MELPS) system. - Initiate experimentation opportunities to enhance casualty care at the forward edge. - Initiate prototype development for integrated connectivity for Marine Logisticians in a Denied, Degraded, Intermittent, and Limited (DDIL) environment. - Initiate prototype development to enhance resupply options at scale and speed in a degraded environment. - Initiate prototype development and deployment of inexpensive, resilient, and redundant communications through Proliferated Low Earth Orbit (PLEO). Experimentation will validate anticipated application in SIF operations. - Initiate experimentation with afloat storage and over-the-shore distribution systems for enhanced logistics resupply. - Initiate prototype development of an inexpensive low profile autonomous maritime delivery system.					

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
- Initiate experimentation with a robust sea-based logistics platform to execute fuel and refuel operations in an expeditionary form factor. - Initiate experimentation with commercial platforms to enhance maneuver and mobility in the littorals. ***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 the increase of funds supporting the Rapid Defense Experimentation Reserve (RDER) initiative, facilitating rapid modernization of the force, specifically in support of: Penetrating Affordable Autonomous Collaborative Killer - Portfolio (PAACK-P), Marine Expeditionary Littoral Persistence Surveillance (MELPS), Forward Casualty Care, Enhanced Forward Edge Command & Control, Tactical Coalition Optical Resupply of EABs (T-CORE), Resilient Maritime Communications, Seabiscuit, Autonomous Low Profile Vessel (ALPV), Resilient Expeditionary Agile Littoral Logistics (REALL), Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM), and Project Osprey. Additional details can be provided at a higher classification.					
Title: Support	1.949	4.350	8.523	0.000	8.523
Articles:	-	-	-	-	-
FY 2023 Plans: - Continue Navy lab support efforts to include forecasting, planning and project assessments of an innovation portfolio, modeling and simulation, and other data collection efforts. - Initiate Subject Matter Expertise (SME) and Engineering / Technical support in the roles of unmanned systems, space technology, integrated sensing, and cyber/electronic warfare. ***FY 2024 Base Plans:*** - Continue Navy lab support efforts to include forecasting, planning and project assessments of an innovation portfolio, modeling and simulation, and other data collection efforts. - Continue Subject Matter Expertise (SME) and Engineering / Technical support in the roles of unmanned systems, space technology, integrated sensing, and cyber/electronic warfare. - Initiate SME Engineering / Technical support for enhanced logistics and resilient communications. ***FY 2024 OCO Plans:*** N/A ***FY 2023 to FY 2024 Increase/Decrease Statement:***					

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

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 is due to the increased level of SME and Engineering / Technical support required to execute the following prototyping initiatives, which have been increased in scope: unmanned systems, space technologies, enhanced over the horizon awareness, identification, and targeting, enhanced logistics and resilient communications.					
Title: Test & Evaluation	0.568	3.120	6.088	0.000	6.088
Articles:	-	-	-	-	-
FY 2023 Plans: - Initiate testing of active and passive sensing concepts. - Initiate testing of highly effective physical and non-physical counter-C5ISRT. - Initiate testing of transport logistics through the littorals and Pacific Area of Responsibility (AOR). - Initiate testing efforts for the Family of Integrated Targeting Cells (FITC). - Initiate testing efforts of payloads for the MQ-Series Enhancements of Group 5 UAS. - Initiate testing efforts for low cost highly attritable aircraft technology.					
FY 2024 Base Plans: - Complete testing of active and passive sensing concepts. - Complete testing of highly effective physical and non-physical counter-C5ISRT. - Continue testing of transport logistics through the littorals and Pacific Area of Responsibility (AOR). - Continue testing efforts for the Family of Integrated Targeting Cells (FITC). - Continue testing efforts of payloads for the MQ-Series Enhancements of Group 5 UAS. - Continue testing efforts for low cost highly attritable aircraft technology. - Initiate testing efforts for Marine Expeditionary Littoral Persistence Surveillance (MELPS). - Initiate testing efforts for Forward Casualty Care. - Initiate testing efforts for Enhanced Forward Edge Command & Control. - Initiate testing efforts for Tactical Coalition Optical Resupply of EABs (T-CORE). - Initiate testing efforts for Resilient Maritime Communications. - Initiate testing efforts for over-the-shore distribution systems for enhanced logistics resupply. - Initiate testing efforts for Autonomous Low Profile Vessel (ALPV). - Initiate testing efforts for Resilient Expeditionary Agile Littoral Logistics (REALL). - Initiate testing efforts for Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM)					
FY 2024 OCO Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

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 is due to increased testing requirements for multiple FY24 RDER Series capabilities.					
Accomplishments/Planned Programs Subtotals	6.372	62.927	131.763	0.000	131.763

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The MCRCO, as an office under the Marine Corps Warfighting Laboratory (MCWL), leverages the Services' and Defense Agencies' most efficient and effective acquisition processes. The goal is to accelerate capability development, early adoption, procurement, and fielding; in order to expeditiously transition relevant capability to the warfighter.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy			Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604320M / *Rapid Technology Capability Prototype*	Project (Number/Name) 0386 / *Rapid Prototype Development, Marine Corps*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Naval Force Forward	Various	NIWC LANT : Charleston, SC	0.555	0.000		0.000		0.000		-		0.000	0.000	0.555	-
Human Performance Augmentation	C/CPFF	MCSC : Quantico, VA	0.420	0.000		0.000		0.000		-		0.000	0.000	0.420	-
Organic Resource Generation	C/CPFF	MCSC : Quantico, VA	0.555	0.000		0.000		0.000		-		0.000	0.000	0.555	-
Non-Satellite Terrestrial	Various	TBD : TBD	0.699	0.001	Mar 2022	0.000		0.000		-		0.000	0.000	0.700	-
Micro-Aerial Superiority	Various	MCSC : Quantico, VA	0.325	0.001	May 2022	0.000		0.000		-		0.000	0.000	0.326	-
Multi-Spectral Deception	Various	TBD : TBD	0.225	0.001	Apr 2022	0.000		0.000		-		0.000	0.000	0.226	-
EABO Self-Sufficiency Capability	Various	MCSC : Quantico, VA	0.000	1.321	Mar 2022	0.613	Mar 2023	0.000		-		0.000	0.000	1.934	-
Unmanned, Multi-Dimensional Battlefield Effects	Various	TBD : TBD	0.000	1.279	Apr 2022	0.980	Apr 2023	0.000		-		0.000	0.000	2.259	-
All Source/All Shooter Fires Integration	Various	MCSC : Quantico, VA	0.000	1.252	May 2022	0.750	May 2023	0.000		-		0.000	0.000	2.002	-
Prior Years Cumulative Funding	Various	Various : Various	7.495	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Active and Passive Sensing	Various	WHS : TBD	0.000	0.000		1.320	Feb 2023	0.000		-		0.000	0.000	1.320	-
Counter C5ISRT	Various	CERDEC : TBD	0.000	0.000		0.914	Apr 2023	0.000		-		0.000	0.000	0.914	-
Logistics Transport	Various	ONR : TBD	0.000	0.000		1.450	Apr 2023	6.260	Apr 2024	-		6.260	0.000	7.710	-
MQ-9 Enhancements	MIPR	NAWCAD : Pax River, MD	0.000	0.000		14.520	Nov 2022	1.262	Dec 2023	-		1.262	0.000	15.782	-
Low Cost Attritable Aircraft	MIPR	NAWCAD : Pax River, MD	0.000	0.000		14.360	Nov 2022	13.123	Jan 2024	-		13.123	0.000	27.483	-
FITC	Various	NSMA : Oxen Hill, MD	0.000	0.000		20.550	Jan 2023	4.949	Jan 2024	-		4.949	0.000	25.499	-
MELPS	Various	TBD : TBD	0.000	0.000		0.000		12.000	Apr 2024	-		12.000	0.000	12.000	-
Forward Casualty Care	Various	NSWCDD : NSWCDD	0.000	0.000		0.000		7.200	Apr 2024	-		7.200	0.000	7.200	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Enhanced Forward Edge C2	Various	NIWCLANT : NIWCLANT	0.000	0.000		0.000		4.500	Apr 2024	-		4.500	0.000	4.500	-
TCORE	Various	TBD : TBD	0.000	0.000		0.000		10.000	Apr 2024	-		10.000	0.000	10.000	-
Resilient Maritime Comms	Various	AFRL : AFRL	0.000	0.000		0.000		10.000	Apr 2024	-		10.000	0.000	10.000	-
Seabiscuit	Various	TBD : TBD	0.000	0.000		0.000		11.300	Apr 2024	-		11.300	0.000	11.300	-
ALPV	Various	NSWC Carderock : NSWC Carderock	0.000	0.000		0.000		1.500	Apr 2024	-		1.500	0.000	1.500	-
Osprey	Various	NAWCAD : Pax River, MD	0.000	0.000		0.000		20.000	Apr 2024	-		20.000	0.000	20.000	-
CLAMM	Various	MCSC : MCSC	0.000	0.000		0.000		19.700	Apr 2024	-		19.700	0.000	19.700	-
		Subtotal	10.274	3.855		55.457		121.794		-		121.794	Continuing	Continuing	N/A

Remarks

The increase from FY 2023 to FY 2024 is due to the increase of funds supporting the Rapid Defense Experimentation Reserve (RDER) initiative, facilitating rapid modernization of the force, specifically in support of: Penetrating Affordable Autonomous Collaborative Killer - Portfolio (PAACK-P), Marine Expeditionary Littoral Persistence Surveillance (MELPS), Forward Casualty Care, Enhanced Forward Edge Command & Control, Tactical Coalition Optical Resupply of EABs (T-CORE), Resilient Maritime Communications, Seabiscuit, Autonomous Low Profile Vessel (ALPV), Resilient Expeditionary Agile Littoral Logistics (REALL), Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM), and Project Osprey. Additional details can be provided at a higher classification.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Analysis and program office support	C/FFP	MCSC : Quantico, VA	0.620	0.205	Mar 2022	0.000		0.000		-		0.000	0.000	0.825	-
Engineering Support	WR	NIWC LANT : Charleston, SC	0.250	0.250	Apr 2022	0.750	Apr 2023	0.000		-		0.000	0.000	1.250	-
Program and Engineering Support	WR	NSWC PCD : Panama City, FL	0.694	0.695	Apr 2022	1.135	Apr 2023	0.250	Apr 2024	-		0.250	0.000	2.774	-
Engineering Support	WR	NSWC IH : Indian Head, MD	0.545	0.550	Apr 2022	1.010	Apr 2023	0.000		-		0.000	0.000	2.105	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	C/BA	NSWC Crane : Crane, IN	0.250	0.250	Apr 2022	0.750	Apr 2023	0.250	Apr 2024	-		0.250	0.000	1.500	-
Prior Years Cumulative Funding	Various	Various : Various	0.566	0.000		0.000		0.000		-		0.000	0.000	0.566	-
Engineering Analysis and program office support	C/CPFF	DTIC : Ft. Belvoir, VA	0.000	0.000		0.705	Mar 2023	5.933	Mar 2024	-		5.933	0.000	6.638	-
		Subtotal	2.925	1.950		4.350		6.433		-		6.433	0.000	15.658	N/A

Remarks

Increase from FY 2023 to FY 2024 is due to the increased level of SME and Engineering / Technical support required to execute the following prototyping initiatives, which have been increased in scope: unmanned systems, space technologies, enhanced over the horizon awareness, identification, and targeting, enhanced logistics and resilient communications.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/FFP	AFRL : Rome, NY	0.890	0.000		0.000		0.000		-		0.000	0.000	0.890	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC IH : Indian Head, MD	0.512	0.000		0.000		0.000		-		0.000	0.000	0.512	-
Developmental Test & Evaluation (DT&E)	Various	Various : TBD	1.389	0.567	Mar 2022	3.120	Jun 2023	3.536	Jun 2024	-		3.536	0.000	8.612	-
		Subtotal	2.791	0.567		3.120		3.536		-		3.536	0.000	10.014	N/A

Remarks

Increase from FY 2023 to FY 2024 is due to increased testing requirements for multiple FY24 RDER Series capabilities.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy			Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604320M / *Rapid Technology Capability Prototype*	Project (Number/Name) 0386 / *Rapid Prototype Development, Marine Corps*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Years Cumulative Funding	Various	Various : Various	4.322	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	4.322	0.000		0.000		0.000		-		0.000	Continuing	Continuing	N/A

	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	20.312	6.372		62.927		131.763		-		131.763	Continuing	Continuing	N/A

Remarks

Overall decrease in FY24 primarily reflects decreased OUSD R&E funding for prototype development and operational assessments of approved Rapid Defense Experimentation Reserve (RDER) initiatives; specifically, Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements of Group 5 UAS and Low-Cost Highly Attritable aircraft technology.

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

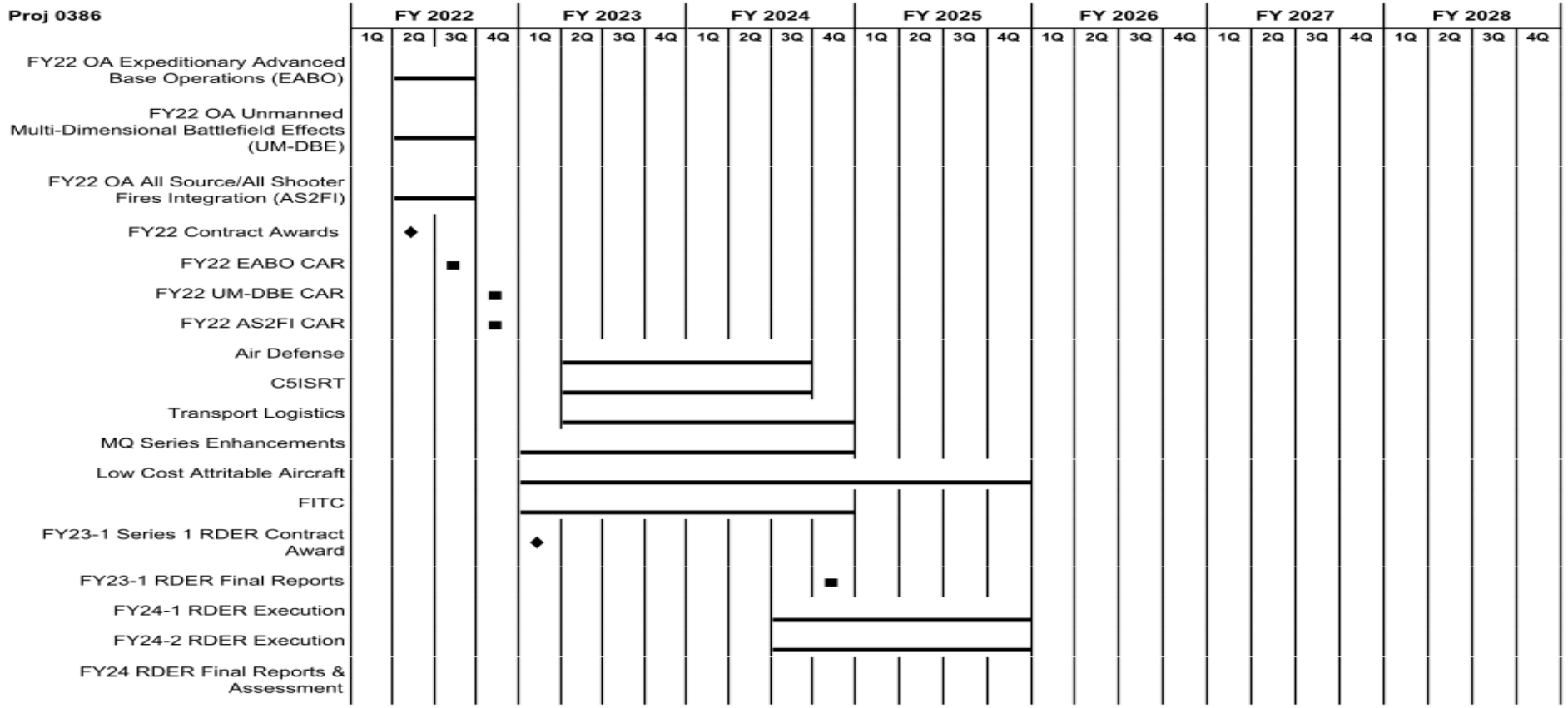

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 0386				
FY22 OA Expeditionary Advanced Base Operations (EABO): FY22 OA Expeditionary Advanced Base Operations (EABO)	2	2022	3	2022
FY22 OA Unmanned Multi-Dimensional Battlefield Effects (UM-DBE): FY22 OA Unmanned Multi-Dimensional Battlefield Effects (UM-DBE)	2	2022	3	2022
FY22 OA All Source/All Shooter Fires Integration (AS2FI): FY22 OA All Source/All Shooter Fires Integration (AS2FI)	2	2022	3	2022
FY22 Contract Awards: FY22 Contract Awards	2	2022	2	2022
FY22 EABO CAR: FY22 EABO CAR	3	2022	3	2022
FY22 UM-DBE CAR: FY22 UM-DBE CAR	4	2022	4	2022
FY22 AS2FI CAR: FY22 AS2FI CAR	4	2022	4	2022
Air Defense: FY23 OA Air Defense	2	2023	3	2024
C5ISRT: FY23 OA C5ISRT	2	2023	3	2024
Transport Logistics: FY23 OA Transport Logistics	2	2023	4	2024
MQ Series Enhancements: FY23 MQ-9 Enhancements	1	2023	4	2024
Low Cost Attritable Aircraft: FY23 Low Cost Attritable Aircraft	1	2023	4	2025
FITC: FY23 FITC	1	2023	4	2024
FY23-1 Series 1 RDER Contract Award: FY23 RDER Contract Award	1	2023	1	2023
FY23-1 RDER Final Reports: FY23 RDER Final Reports	4	2024	4	2024
FY24-1 RDER Execution: PAACK-P, MELPS, Forward Casualty Care, Enhanced C2, TCORE, Maritime Comms, Seabiscuit, ALPV, REALL	3	2024	4	2025
FY24-2 RDER Execution: Osprey, CLAMM	3	2024	4	2025

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy			Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604320M / *Rapid Technology Capability Prototype*	Project (Number/Name) 9999 / *Congressional Adds*	

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
9999: *Congressional Adds*	2.896	4.827	5.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.723
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Marine Corps Rapid Capabilities Office (MCRCO) will further accelerate the identification, development and assessment of capabilities by way of non-traditional small business to support the Marine Corps Warfighting Lab (MCWL) in developing emerging capabilities for Marine Littoral Regiment (MLR) and Reconnaissance / Counter-Reconnaissance (RxR) experimentation to implement Force Design 2030.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023
Congressional Add: Rapid technology capability prototyping ***FY 2022 Accomplishments:*** - Initiated the identification, development, and assessment of capabilities by way of non-traditional small business to support the Marine Corps Warfighting Lab (MCWL) in developing emerging capabilities for the Marine Littoral Regiment (MLR) and Reconnaissance, Counter-Reconnaissance experimentation to implement Force Design 2030. ***FY 2023 Plans:*** N/A	4.827	0.000
Congressional Add: Marine Corps warfighting lab partnership ***FY 2022 Accomplishments:*** N/A ***FY 2023 Plans:*** - Initiate prototype development for autonomous surface vessels in support of Reconnaissance / Counter-reconnaissance and refinement of CONOPS and CONEMPS.	0.000	5.000
Congressional Adds Subtotals	4.827	5.000

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
• RDTEN/0604320M/0386: *Rapid Prototype Development, Marine Corps*	6.372	62.927	131.763	-	131.763	18.202	18.254	18.121	18.384	Continuing	Continuing

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy			Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604320M / *Rapid Technology Capability Prototype*	Project (Number/Name) 9999 / *Congressional Adds*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2022 Cost	FY 2022 Award Date	FY 2023 Cost	FY 2023 Award Date	FY 2024 Base Cost	FY 2024 Base Award Date	FY 2024 OCO Cost	FY 2024 OCO Award Date	FY 2024 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
GSA/AFRL (RevaComm)	TBD	AFRL : Belleville, IL	0.750	0.000	Jun 2022	0.000		0.000		-		0.000	0.000	0.750	-
MilTech	C/CPFF	AFRL : WPAFB, OH	2.146	4.827	Jun 2022	5.000	Jun 2023	0.000		-		0.000	0.000	11.973	-
		Subtotal	2.896	4.827		5.000		0.000		-		0.000	0.000	12.723	N/A

	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	2.896	4.827		5.000		0.000		-		0.000	0.000	12.723	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

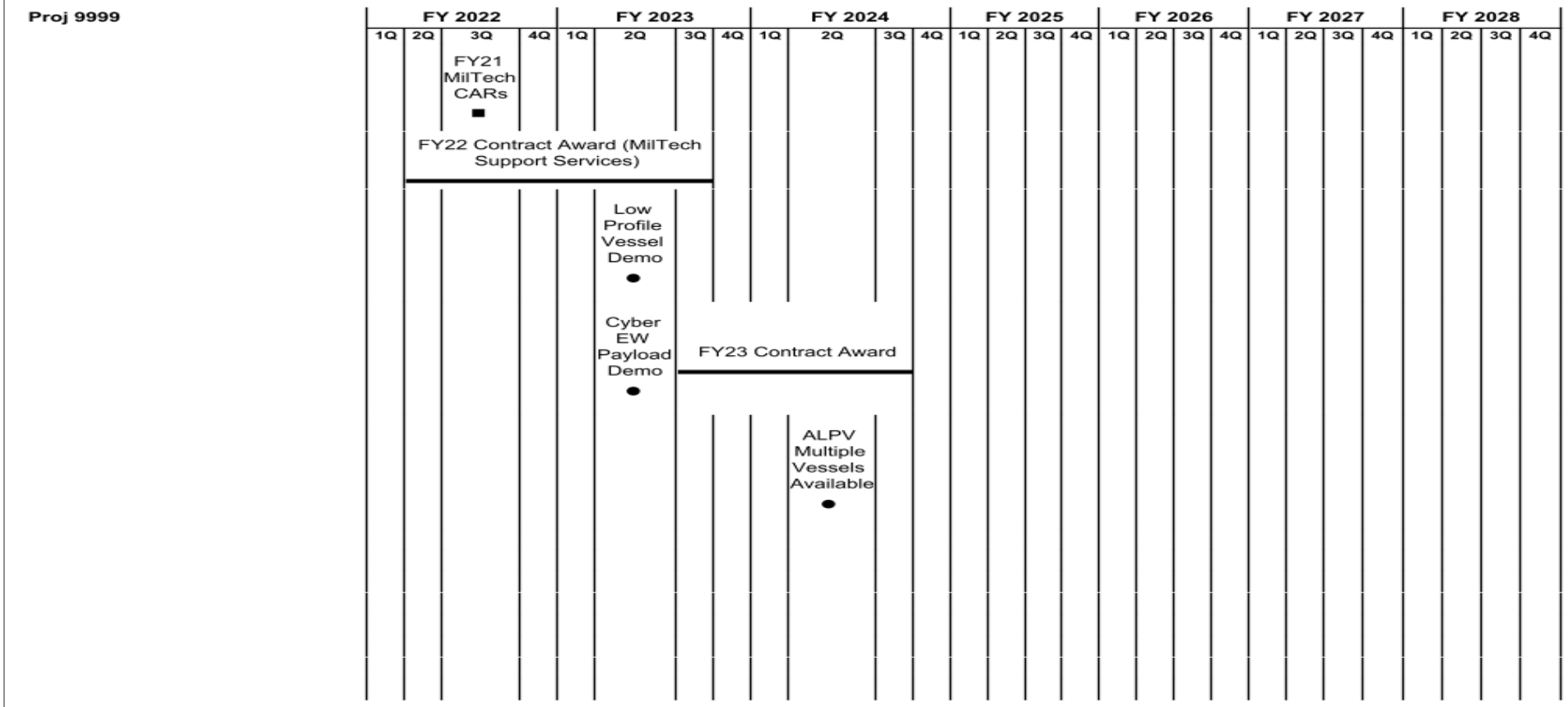

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 9999				
MilTech CARs	3	2022	3	2022
Contract Award (MilTech Support Services)	2	2022	3	2023
Low Profile Vessel Demo	2	2023	2	2023
Cyber EW Payload Demo	2	2023	2	2023
FY23 Contract Award (MilTech Support Services)	3	2023	3	2024
Autonomous Low Profile Prototypes for Fleet Experimenation	2	2024	2	2024