Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy	Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	18.632	5.514	11.555	62.927	-	62.927	12.252	12.665	12.894	13.118	Continuing	Continuing
0386: *Rapid Prototype Development, Marine Corps*	18.632	2.618	6.555	62.927	-	62.927	12.252	12.665	12.894	13.118	Continuing	Continuing
9999: *Congressional Adds*	0.000	2.896	5.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.896

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 accelerate the identification, development and assessment of capabilities offering significant military utility. The MCRCO will seek emergent and disruptive technology to rapidly develop and deliver operational prototypes that increase Operating Forces' survivability and lethality, and that will inform requirement development and investment planning. Prototypes to be assessed 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. The Marine Corps affirms with a high degree of confidence that the programs in this line item are executable.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	5.664	6.555	0.000	-	0.000
Current President's Budget	5.514	11.555	62.927	-	62.927
Total Adjustments	-0.150	5.000	62.927	-	62.927
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	5.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.150	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
• Adjustments to Budget Year	-	-	62.927	-	62.927

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2021	FY 2022
Project: 9999: *Congressional Adds*		
Congressional Add: *Non-Traditional Small Business Support to Marine Corps Warfighting Laboratory*	2.896	0.000
Congressional Add: *Rapid technology capability prototyping*	0.000	5.000
Congressional Add Subtotals for Project: 9999	2.896	5.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy	Date: April 2022
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*

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2021	FY 2022
Congressional Add Totals for all Projects	2.896	5.000

Change Summary Explanation

The increase of $51.372M from FY 2022 to FY 2023 supports the following:

-Increase of $51.602M from FY 2022 to FY 2023 supports the prototype development and operational assessments of approved DoD Rapid Defense Experimentation Reserve (RDER); specifically, Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements of Group 5 UAS and Low-Cost Highly Attritable aircraft technology. Additional funds also support initiation of active and passive sensing, highly effective counter-C5ISRT capabilities, and the development of logistics enablers to transport critical assets throughout the Pacific AOR.
-Increase of $2.400M from FY 2022 to FY 2023 supports the initiation of SME and Engineering / Technical support to execute multiple prototyping initiatives in unmanned systems, space technologies, and enhanced over the horizon awareness, identification, and targeting.
-Increase of $2.370M from FY 2022 to FY 2023 supports the initiation of key test events for the Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements, and affordable autonomous aerial assets capable of operating in austere environments.
-Decrease of $5.000M from FY 2022 to FY 2023 due to Congressional Add in FY 2022 to support rapid prototyping and experimentation initiatives to accelerate USMC Force Design activities.

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy			Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
0386: *Rapid Prototype Development, Marine Corps*	18.632	2.618	6.555	62.927	-	62.927	12.252	12.665	12.894	13.118	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 accelerate the identification, development and assessment of capabilities offering significant military utility. The MCRCO will seek emergent and disruptive technology to rapidly develop and deliver operational prototypes that increase Operating Forces' survivability and lethality, and that will inform requirement development and investment planning. Prototypes to be assessed 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.

The Marine Corps affirms with a high degree of confidence that the programs in this line item are executable.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: Product Development	1.264	3.855	55.457	0.000	55.457
Articles:	-	-	-	-	-
FY 2022 Plans: - Complete prototype development and operational force assessment of Non-Satellite Terrestrial Communications capabilities. - Complete prototype development and operational force assessment of Localized Micro-Aerial Superiority capability. - Complete prototype development and operational assessment of Multi-Spectral Deception capability. - Complete Naval Force Forward (NFF) efforts to prototype and assess systems that provide critical capabilities for small task organized units operating as the forward edge of an inside force. - Complete support of Human Performance Augmentation efforts to prototype and assess various wearables that enhance physical and or cognitive capabilities of the individual Marine that will increase their combat effectiveness. - Complete Organic Resource Generation efforts to prototype and assess personal and small unit systems in optionally mounted configurations that enable creation of various classes of supply to extend operational endurance and reduce logistical reliance.					

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
- Initiate prototype development and operational assessment of Expeditionary Advanced Base Operations (EABO) from self-sufficiency capability. - Initiate prototype development and operational assessment of Unmanned-Multi-Dimensional Battlefield Effects (UM-DBE) from Unmanned Systems. - Initiate prototype development and operational assessment of All Source/All Shooter Fires Integration (AS2FI) from Ground Based Long-Range Precision Fires.					
FY 2023 Base 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. - 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 2023 OCO Plans: N/A					
FY 2022 to FY 2023 Increase/Decrease Statement: The increase of $51.602M from FY 2022 to FY 2023 supports the prototype development and operational assessments of approved DoD Rapid Defense Experimentation Reserve (RDER); specifically, Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements of Group 5 UAS and Low-Cost Highly Attritable aircraft technology. Additional funds also support initiation of active and passive sensing, highly effective					

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
counter-C5ISRT capabilities, and the development of logistics enablers to transport critical assets throughout the Pacific AOR.					
Title: Support	0.620	1.950	4.350	0.000	4.350
Articles:	-	-	-	-	-
FY 2022 Plans: - Continue Navy lab support efforts to include forecasting, planning and project assessments of an innovation portal, modeling and simulation, and other data collection efforts. ***FY 2023 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. - Initiate Subject Matter Expertise (SME) and Engineering / Technical support in the roles of unmanned systems, space technology, integrated sensing, and cyber/electronic warfare. ***FY 2023 OCO Plans:*** N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Increase of $2.400M from FY 2022 to FY 2023 supports the initiation of SME and Engineering / Technical support to execute multiple prototyping initiatives in unmanned systems, space technologies, and enhanced over the horizon awareness, identification, and targeting.					
Title: Test & Evaluation	0.734	0.750	3.120	0.000	3.120
Articles:	-	-	-	-	-
FY 2022 Plans: - Complete testing efforts to include active and passive systems that operate with resilience in a Network-Contested Environment (NCE) and smaller, dispersed, and resilient systems which operate from diverse platforms. - Complete testing efforts to include exoskeletons, man-machine, and artificial intelligence interfaces to enhance performance including close combat lethality in complex terrain. - Complete decentralized energy generation, water recycling and desalination, energy storage, increase deployed energy efficiency, bio-fuels, and non-commercially dependent distributed logistics. ***FY 2023 Base Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
- Initiate testing of active and passive sensing and engagement 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 2023 OCO Plans:*** N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Increase of $2.370M from FY 2022 to FY 2023 supports the initiation of key test events for the Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements, and affordable autonomous aerial assets capable of operating in austere environments.					
Accomplishments/Planned Programs Subtotals	2.618	6.555	62.927	0.000	62.927

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The MCRCO Process consists of three phases, Identify, Assess, and Inform; each have unique functions in support of the mission. All MCRCO projects will align to this phased approach. In the Identify Phase the MCRCO undertakes a continuous process of investigation and compiling of technologies, concepts, and prototypes for various capability areas. In the Assess Phase, MCRCO will assess performance of prototypes based on military utility, enabling competition, and lifecycle affordability. The Inform Phase provides the results of the assessment event and includes transition to a program office if applicable.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy			Date: April 2022
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 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Naval Force Forward	Various	NIWC LANT : Charleston, SC	0.550	0.005	Sep 2021	0.000		0.000		-		0.000	0.000	0.555	-
Human Performance Augmentation	C/CPFF	MCSC : Quantico, VA	0.415	0.005	Sep 2021	0.000		0.000		-		0.000	0.000	0.420	-
Organic Resource Generation	C/CPFF	MCSC : Quantico, VA	0.550	0.005	Sep 2021	0.000		0.000		-		0.000	0.000	0.555	-
Non-Satellite Terrestrial	Various	TBD : TBD	0.000	0.699	Mar 2021	0.001	Mar 2022	0.000		-		0.000	0.000	0.700	-
Micro-Aerial Superiority	Various	MCSC : Quantico, VA	0.000	0.325	May 2021	0.001	May 2022	0.000		-		0.000	0.000	0.326	-
Multi-Spectral Deception	Various	TBD : TBD	0.000	0.225	Apr 2021	0.001	Apr 2022	0.000		-		0.000	0.000	0.226	-
EABO Self-Sufficiency Capability	Various	MCSC : Quantico, VA	0.000	0.000		1.321	Mar 2022	0.613	Mar 2023	-		0.613	0.000	1.934	-
Unmanned, Multi-Dimensional Battlefield Effects	Various	TBD : TBD	0.000	0.000		1.279	Apr 2022	0.980	Apr 2023	-		0.980	0.000	2.259	-
All Source/All Shooter Fires Integration	Various	MCSC : Quantico, VA	0.000	0.000		1.252	May 2022	0.750	May 2023	-		0.750	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		0.000		1.320	Feb 2023	-		1.320	0.000	1.320	-
Counter C5ISRT	Various	CERDEC : TBD	0.000	0.000		0.000		0.914	Apr 2023	-		0.914	0.000	0.914	-
Logistics Transport	Various	ONR : TBD	0.000	0.000		0.000		1.450	Apr 2023	-		1.450	0.000	1.450	-
MQ-9 Enhancements	MIPR	NAWCAD : Pax River, MD	0.000	0.000		0.000		14.520	Nov 2022	-		14.520	0.000	14.520	-
Low Cost Attritable Aircraft	MIPR	NAWCAD : Pax River, MD	0.000	0.000		0.000		14.360	Nov 2022	-		14.360	0.000	14.360	-
FITC	Various	NSMA : Oxen Hill, MD	0.000	0.000		0.000		20.550	Jan 2023	-		20.550	0.000	20.550	-
		Subtotal	9.010	1.264		3.855		55.457		-		55.457	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

The increase of $51.602M from FY 2022 to FY 2023 supports the prototype development and operational assessments of approved DoD Rapid Defense Experimentation Reserve (RDER); specifically, Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements of Group 5 UAS and Low-Cost Highly Attritable aircraft technology. Additional funds also support initiation of active and passive sensing, highly effective counter-C5ISRT capabilities, and the development of logistics enablers to transport critical assets throughout the Pacific AOR.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Analysis and program office support	C/FFP	MCSC : Quantico, VA	0.000	0.620	Mar 2021	0.205	Mar 2022	0.000		-		0.000	0.000	0.825	-
Engineering Support	WR	NIWC LANT : Charleston, SC	0.250	0.000		0.250	Apr 2022	0.750	Apr 2023	-		0.750	0.000	1.250	-
Program and Engineering Support	WR	NSWC PCD : Panama City, FL	0.694	0.000		0.695	Apr 2022	1.135	Apr 2023	-		1.135	0.000	2.524	-
Engineering Support	WR	NSWC IH : Indian Head, MD	0.545	0.000		0.550	Apr 2022	1.010	Apr 2023	-		1.010	0.000	2.105	-
Engineering Support	C/BA	NSWC Crane : Crane, IN	0.250	0.000		0.250	Apr 2022	0.750	Apr 2023	-		0.750	0.000	1.250	-
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		0.000		0.705	Mar 2023	-		0.705	0.000	0.705	-
		Subtotal	2.305	0.620		1.950		4.350		-		4.350	0.000	9.225	N/A

Remarks

Increase of $2.400M from FY 2022 to FY 2023 supports the initiation of SME and Engineering / Technical support to execute multiple prototyping initiatives in unmanned systems, space technologies, and enhanced over the horizon awareness, identification, and targeting.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Naval Force Forward	C/FFP	AFRL : Rome, NY	0.590	0.300	Mar 2021	0.000		0.000		-		0.000	0.000	0.890	-
Human Performance Augmentation	WR	NSWC IH : Indian Head, MD	0.402	0.110	Mar 2021	0.000		0.000		-		0.000	0.000	0.512	-
Organic Resource Generation	C/FFP	MCSC : Quantico, VA	0.614	0.324	May 2021	0.000		0.000		-		0.000	0.000	0.938	-
EABO Self-Sufficiency Capability	C/FFP	MCSC : Quantico, VA	0.000	0.000		0.300	Feb 2022	0.100	Feb 2023	-		0.100	0.000	0.400	-
Unmanned, Multi-Dimensional Battlefield Effects	TBD	TBD : TBD	0.000	0.000		0.150	Mar 2022	0.060	Mar 2023	-		0.060	0.000	0.210	-
All Source/All Shooter Fires Integration	C/CPFF	MCSC : Quantico, VA	0.000	0.000		0.300	May 2022	0.125	May 2023	-		0.125	0.000	0.425	-
Prior Years Cumulative Funding	Various	Various : Various	1.389	0.000		0.000		0.000		-		0.000	0.000	1.389	-
Air Defense	Various	Various : TBD	0.000	0.000		0.000		0.115	Feb 2023	-		0.115	0.000	0.115	-
C5ISRT	Various	Various : TBD	0.000	0.000		0.000		0.200	Mar 2023	-		0.200	0.000	0.200	-
Logistics Transport	Various	Various : TBD	0.000	0.000		0.000		0.150	Mar 2023	-		0.150	0.000	0.150	-
MQ-9 Enhancements	Various	Various : TBD	0.000	0.000		0.000		0.760	May 2023	-		0.760	0.000	0.760	-
Low Cost Attritable Aircraft	Various	Various : TBD	0.000	0.000		0.000		0.950	May 2023	-		0.950	0.000	0.950	-
FITC	Various	Various : TBD	0.000	0.000		0.000		0.660	Jun 2023	-		0.660	0.000	0.660	-
		Subtotal	2.995	0.734		0.750		3.120		-		3.120	0.000	7.599	N/A

Remarks

Increase of $2.370M from FY 2022 to FY 2023 supports the initiation of key test events for the Family of Integrated Targeting Cells (FITC), MQ-Series Enhancements, and affordable autonomous aerial assets capable of operating in austere environments.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy			Date: April 2022
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 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 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 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	18.632	2.618		6.555		62.927		-		62.927	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy		Date: April 2022
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*

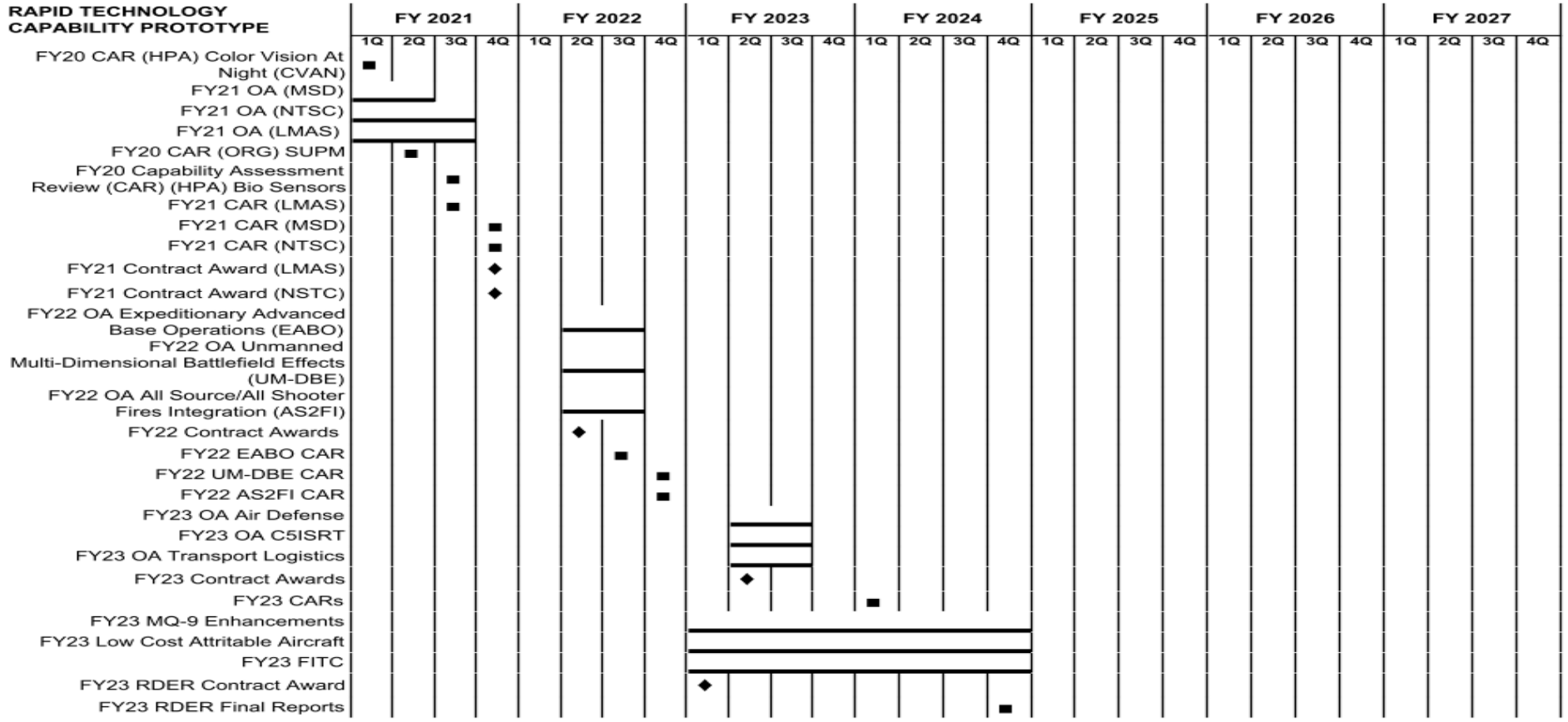

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 0386 / *Rapid Prototype Development, Marine Corps*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
RAPID TECHNOLOGY CAPABILITY PROTOTYPE				
FY20 CAR (HPA) Color Vision At Night (CVAN): FY20 CAR (HPA) Color Vision At Night (CVAN)	1	2021	1	2021
FY21 OA (MSD): FY21 OA (MSD)	1	2021	2	2021
FY21 OA (NTSC): FY21 OA (NTSC)	1	2021	3	2021
FY21 OA (LMAS): FY21 OA (LMAS)	1	2021	3	2021
FY20 CAR (ORG) SUPM: FY20 CAR (ORG) SUPM	2	2021	2	2021
FY20 Capability Assessment Review (CAR) (HPA) Bio Sensors: FY20 Capability Assessment Review (CAR) (HPA) Bio Sensors	3	2021	3	2021
FY21 CAR (LMAS): FY21 CAR (LMAS)	3	2021	3	2021
FY21 CAR (MSD): FY21 CAR (MSD)	4	2021	4	2021
FY21 CAR (NTSC): FY21 CAR (NTSC)	4	2021	4	2021
FY21 Contract Award (LMAS): FY21 Contract Award (LMAS)	4	2021	4	2021
FY21 Contract Award (NSTC): FY21 Contract Award (NSTC)	4	2021	4	2021
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

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
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*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
FY22 AS2FI CAR: FY22 AS2FI CAR	4	2022	4	2022
FY23 OA Air Defense: FY23 OA Air Defense	2	2023	3	2023
FY23 OA C5ISRT: FY23 OA C5ISRT	2	2023	3	2023
FY23 OA Transport Logistics: FY23 OA Transport Logistics	2	2023	3	2023
FY23 Contract Awards: FY23 Contract Awards	2	2023	2	2023
FY23 CARs: FY23 CARs	1	2024	1	2024
FY23 MQ-9 Enhancements: FY23 MQ-9 Enhancements	1	2023	4	2024
FY23 Low Cost Attritable Aircraft: FY23 Low Cost Attritable Aircraft	1	2023	4	2024
FY23 FITC: FY23 FITC	1	2023	4	2024
FY23 RDER Contract Award: FY23 RDER Contract Award	1	2023	1	2023
FY23 RDER Final Reports: FY23 RDER Final Reports	4	2024	4	2024

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy			Date: April 2022
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
9999: *Congressional Adds*	0.000	2.896	5.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	7.896
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 the Infantry Battalion Exercise (IBX30) and Marine Littoral Regiment (MLR) experimentation to implement Force Design 2030.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022
Congressional Add: Non-Traditional Small Business Support to Marine Corps Warfighting Laboratory ***FY 2021 Accomplishments:*** - Initiate 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 Infantry Battalion Exercise (IBX30) and Marine Littoral Regiment (MLR) experimentation to implement Force Design 2030. ***FY 2022 Plans:*** N/A	2.896	0.000
Congressional Add: Rapid technology capability prototyping ***FY 2021 Accomplishments:*** N/A ***FY 2022 Plans:*** - Initiate 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.	0.000	5.000
Congressional Adds Subtotals	2.896	5.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• RDTEN/0604320M/0386: *Rapid Prototype Development, Marine Corps*	2.618	6.555	62.927	-	62.927	12.252	12.665	12.894	13.118	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
GSA/AFRL (RevaComm)	TBD	AFRL : Belleville, IL	0.000	0.750	Mar 2021	5.000	May 2022	0.000		-		0.000	0.000	5.750	-
MilTech	C/CPFF	AFRL : WPAFB, OH	0.000	2.146	Apr 2021	0.000		0.000		-		0.000	0.000	2.146	-
		Subtotal	0.000	2.896		5.000		0.000		-		0.000	0.000	7.896	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	2.896		5.000		0.000		-		0.000	0.000	7.896	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

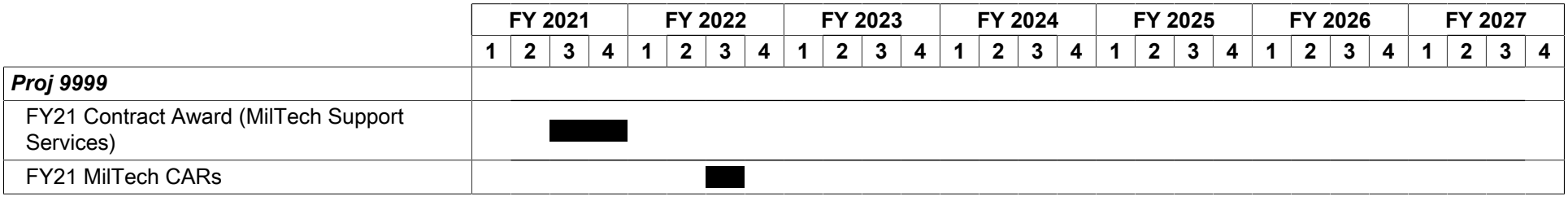

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604320M / *Rapid Technology Capability Prototype*	**Project (Number/Name)** 9999 / *Congressional Adds*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 9999				
FY21 Contract Award (MilTech Support Services)	3	2021	4	2021
FY21 MilTech CARs	3	2022	3	2022