

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>
---	--

COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	31.625	74.419	131.763	120.392	-	120.392	23.965	21.392	16.728	17.080	Continuing	Continuing
0386: <i>Rapid Prototype Development, Marine Corps</i>	23.902	69.592	131.763	120.392	-	120.392	23.965	21.392	16.728	17.080	Continuing	Continuing
9999: <i>Congressional Adds</i>	7.723	4.827	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.550

**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)**

	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	67.927	131.763	18.202	-	18.202
Current President's Budget	74.419	131.763	120.392	-	120.392
Total Adjustments	6.492	0.000	102.190	-	102.190
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	8.677	0.000			
• SBIR/STTR Transfer	-2.185	0.000			
• Program Adjustments	0.000	0.000	-11.202	-	-11.202
• Rate/Misc Adjustments	0.000	0.000	113.392	-	113.392

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 9999: *Congressional Adds*

Congressional Add: *Marine Corps warfighting lab partnership*

	FY 2023	FY 2024
Congressional Add Subtotals for Project: 9999	4.827	0.000
Congressional Add Totals for all Projects	4.827	0.000

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	
<b><u>Change Summary Explanation</u></b> FY 2025 funding increase is primarily attributed to increased investment in several Rapid Defense Experiment Reserve (RDER) initiatives.		

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>				<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
0386: <i>Rapid Prototype Development, Marine Corps</i>	23.902	69.592	131.763	120.392	-	120.392	23.965	21.392	16.728	17.080	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)**

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Product Development	62.122	117.152	107.094	0.000	107.094
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b>					
- 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-C5ISR.					
- 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.					
- Complete prototype development of emergent technologies to transport logistics through the littorals and Pacific Area of Responsibility (AOR).					

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<ul style="list-style-type: none"> <li>- Continue enhancements to the USMC's MQ-9 platforms capabilities through development of future payloads.</li> <li>- Initiate prototype development and deployment of the Marine Expeditionary Littoral Persistence Surveillance (MELPS) system.</li> <li>- Initiate experimentation opportunities to enhance casualty care at the forward edge.</li> <li>- Initiate prototype development for integrated connectivity for Marine Logisticians in a Denied, Degraded, Intermittent, and Limited (DDIL) environment.</li> <li>- Initiate prototype development to enhance resupply options at scale and speed in a degraded environment.</li> <li>- 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.</li> <li>- Initiate experimentation with afloat storage and over-the-shore distribution systems for enhanced logistics resupply.</li> <li>- Initiate prototype development of an inexpensive low profile autonomous maritime delivery system.</li> <li>- Initiate experimentation with a robust sea-based logistics platform to execute fuel and refuel operations in an expeditionary form factor.</li> <li>- Initiate experimentation with commercial platforms to enhance maneuver and mobility in the littorals.</li> </ul> <p><b><i>FY 2025 Base Plans:</i></b></p> <ul style="list-style-type: none"> <li>- Complete 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.</li> <li>- Complete 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.</li> <li>- Complete enhancements to the USMC's MQ-9 platforms capabilities through development of future payloads.</li> <li>- Complete prototype development for integrated connectivity for Marine Logisticians in a Denied, Degraded, Intermittent, and Limited (DDIL) environment.</li> <li>- Complete prototype development to enhance resupply options at scale and speed in a degraded environment.</li> <li>- Complete experimentation with afloat storage and over-the-shore distribution systems for enhanced logistics resupply.</li> <li>- Complete prototype development of an inexpensive low profile autonomous maritime delivery system.</li> <li>- Complete experimentation with a robust sea-based logistics platform to execute fuel and refuel operations in an expeditionary form factor.</li> <li>- Complete experimentation with commercial platforms to enhance maneuver and mobility in the littorals.</li> </ul>					

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy				<b>Date:</b> March 2024	
<b>Appropriation/Budget Activity</b> 1319 / 4		<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>		<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>					
<ul style="list-style-type: none"> <li>- Continue prototype development and deployment of inexpensive, resilient, and redundant communications through Proliferated Low Earth Orbit (PLEO). Experimentation will validate anticipated application in SIF operations and expand positioning techniques.</li> <li>- Continue prototype development of emergent technologies to transport logistics through the littorals and Pacific Area of Responsibility (AOR).</li> <li>- Continue an extended end user evaluation of the Marine Expeditionary Littoral Persistence Surveillance (MELPS) system.</li> <li>- Continue experimentation opportunities to enhance casualty care at the forward edge.</li> <li>- Initiate experimentation with unmanned maritime deployment capabilities.</li> </ul> <p><b>FY 2025 OCO Plans:</b> N/A</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$10.058M from FY 2024 to FY 2025 is directly associated with the completion of Logistics Transport project, culminating in the evaluation of unmanned ground vehicles with III Marine Expeditionary Forces (MEF).</p>					
<p><b>Title:</b> Support</p> <p align="right"><b>Articles:</b></p>					
<p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue Navy lab support efforts to include forecasting, planning and project assessments of an innovation portfolio, modeling and simulation, and other data collection efforts.</li> <li>- Continue Subject Matter Expertise (SME) and Engineering / Technical support in the roles of unmanned systems, space technology, integrated sensing, and cyber/electronic warfare.</li> <li>- Initiate SME Engineering / Technical support for enhanced logistics and resilient communications.</li> </ul> <p><b>FY 2025 Base Plans:</b></p> <ul style="list-style-type: none"> <li>- Continue Navy lab support efforts to include forecasting, planning and project assessments of an innovation portfolio, modeling and simulation, and other data collection efforts.</li> <li>- Continue Subject Matter Expertise (SME) and Engineering / Technical support in the roles of unmanned systems, space technology, integrated sensing, resilient communications and cyber/electronic warfare.</li> <li>- Complete SME Engineering / Technical support for enhanced logistics.</li> </ul> <p><b>FY 2025 OCO Plans:</b></p>					
	4.350	8.523	8.298	0.000	8.298
	-	-	-	-	-

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy			<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>			
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>					
N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$0.225M from FY2024 to FY2025 is directly associated with the completion of Logistics Transport project.					
<b>Title:</b> Test & Evaluation					
<b>Articles:</b>					
	3.120	6.088	5.000	0.000	5.000
	-	-	-	-	-
<b>FY 2024 Plans:</b>					
<ul style="list-style-type: none"> <li>- Complete testing of active and passive sensing concepts.</li> <li>- Complete testing of highly effective physical and non-physical counter-C5ISR.</li> <li>- Continue testing of transport logistics through the littorals and Pacific Area of Responsibility (AOR).</li> <li>- Continue testing efforts for the Family of Integrated Targeting Cells (FITC).</li> <li>- Continue testing efforts of payloads for the MQ-Series Enhancements of Group 5 UAS.</li> <li>- Continue testing efforts for low cost highly attributable aircraft technology.</li> <li>- Initiate testing efforts for Marine Expeditionary Littoral Persistence Surveillance (MELPS).</li> <li>- Initiate testing efforts for Forward Casualty Care.</li> <li>- Initiate testing efforts for Enhanced Forward Edge Command &amp; Control.</li> <li>- Initiate testing efforts for Tactical Coalition Optical Resupply of EABs (T-CORE).</li> <li>- Initiate testing efforts for Resilient Maritime Communications.</li> <li>- Initiate testing efforts for over-the-shore distribution systems for enhanced logistics resupply.</li> <li>- Initiate testing efforts for Autonomous Low Profile Vessel (ALPV).</li> <li>- Initiate testing efforts for Resilient Expeditionary Agile Littoral Logistics (REALL).</li> <li>- Initiate testing efforts for Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM)</li> </ul>					
<b>FY 2025 Base Plans:</b>					
<ul style="list-style-type: none"> <li>- Complete testing of transport logistics through the littorals and Pacific Area of Responsibility (AOR).</li> <li>- Complete testing efforts for the Family of Integrated Targeting Cells (FITC).</li> <li>- Complete testing efforts of payloads for the MQ-Series Enhancements of Group 5 UAS.</li> <li>- Complete testing efforts for low cost highly attributable aircraft technology.</li> <li>- Complete testing efforts for Marine Expeditionary Littoral Persistence Surveillance (MELPS).</li> <li>- Complete testing efforts for Forward Casualty Care.</li> <li>- Complete testing efforts for Enhanced Forward Edge Command &amp; Control.</li> <li>- Complete testing efforts for Tactical Coalition Optical Resupply of EABs (T-CORE).</li> </ul>					

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<ul style="list-style-type: none"> <li>- Complete testing efforts for Resilient Maritime Communications.</li> <li>- Complete testing efforts for over-the-shore distribution systems for enhanced logistics resupply.</li> <li>- Complete testing efforts for Autonomous Low Profile Vessel (ALPV).</li> <li>- Complete testing efforts for Resilient Expeditionary Agile Littoral Logistics (REALL).</li> <li>- Complete testing efforts for Commercial Landing Craft In Support Of (ISO) Advance Force Maneuver (CLAMM)</li> <li>- Initiate testing efforts on applicable Marine Corps Assault Breaker II (ABII) capabilities.</li> </ul> <p><b>FY 2025 OCO Plans:</b> N/A</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease of \$1.088M from FY2024 to FY2025 is directly associated with the completion of test events for Rapid Defense Experimentation Reserve (RDER) initiatives.</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	69.592	131.763	120.392	0.000	120.392

**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 at multiple levels of classification.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>
--	--	---

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
EABO Self-Sufficiency Capability	Various	MCSC : Quantico, VA	1.321	0.613	Mar 2023	0.000		0.000		-		0.000	0.000	1.934	-
Unmanned, Multi-Dimensional Battlefield Effects	Various	TBD : TBD	1.279	0.980	Apr 2023	0.000		0.000		-		0.000	0.000	2.259	-
All Source/All Shooter Fires Integration	Various	MCSC : Quantico, VA	1.252	0.750	May 2023	0.000		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	1.320	Feb 2023	0.000		0.000		-		0.000	0.000	1.320	-
Counter C5ISR	Various	CERDEC : TBD	0.000	0.914	Apr 2023	0.000		0.000		-		0.000	0.000	0.914	-
Logistics Transport	Various	ONR : TBD	0.000	1.450	Apr 2023	9.643	Apr 2024	0.000		-		0.000	0.000	11.093	-
MQ-9 Enhancements	MIPR	NAWCAD : Pax River, MD	0.000	14.520	Nov 2022	0.250	Dec 2023	0.000		-		0.000	0.000	14.770	-
Low Cost Attributable Aircraft	MIPR	NAWCAD : Pax River, MD	0.000	16.948	Nov 2022	11.800	Jan 2024	0.250	Jan 2025	-		0.250	0.000	28.998	-
FITC	Various	NSMA : Oxen Hill, MD	0.000	20.550	Jan 2023	2.309	Jan 2024	0.000	Jan 2025	-		0.000	0.000	22.859	-
MELPS	Various	TBD : TBD	0.000	0.000		11.250	Apr 2024	0.800	Jan 2025	-		0.800	0.000	12.050	-
Forward Casualty Care	Various	NSWCDD : NSWCDD	0.000	0.000		6.900	Apr 2024	1.000	Jan 2025	-		1.000	0.000	7.900	-
Enhanced Forward Edge C2	Various	NIWCLANT : NIWCLANT	0.000	0.000		4.300	Apr 2024	1.000	Jan 2025	-		1.000	0.000	5.300	-
TCORE	Various	TBD : TBD	0.000	0.000		9.700	Apr 2024	0.000		-		0.000	0.000	9.700	-
Resilient Maritime Comms	Various	AFRL : AFRL	0.000	0.000		9.700	Apr 2024	16.450	Jan 2025	-		16.450	0.000	26.150	-
Seabiscuit	Various	TBD : TBD	0.000	0.000		11.100	Apr 2024	0.000		-		0.000	0.000	11.100	-
ALPV / Unmanned Maritime	Various	NSWC Carderock : NSWC Carderock	0.000	0.000		1.500	Apr 2024	8.300	Apr 2025	-		8.300	0.000	9.800	-
Osprey	Various	NAWCAD : Pax River, MD	0.000	0.000		19.200	Apr 2024	0.000		-		0.000	0.000	19.200	-

**UNCLASSIFIED**

<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2025 Navy</b>											<b>Date: March 2024</b>				
<b>Appropriation/Budget Activity</b> 1319 / 4						<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>					<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>				

<b>Product Development (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
CLAMM	Various	MCSC : MCSC	0.000	0.000		19.500	Apr 2024	0.000		-		0.000	0.000	19.500	-
Loitering Munitions	C/FFP	USA : Redstone Arsenal	0.000	4.077	Oct 2023	0.000		0.000		-		0.000	0.000	4.077	-
Classified Program 1	TBD	Not Specified : Not Specified	0.000	0.000		0.000		9.607	Apr 2025	-		9.607	0.000	9.607	-
Classified Program 2	TBD	Not Specified : Not Specified	0.000	0.000		0.000		9.607	Feb 2025	-		9.607	0.000	9.607	-
NMEA	TBD	Not Specified : Not Specified	0.000	0.000		0.000		6.480	Apr 2025	-		6.480	0.000	6.480	-
Open Sensor Hub	TBD	Not Specified : Not Specified	0.000	0.000		0.000		1.000	Mar 2025	-		1.000	0.000	1.000	-
PENTHouse	TBD	Not Specified : Not Specified	0.000	0.000		0.000		19.500	Jan 2025	-		19.500	0.000	19.500	-
Affluent Archer	TBD	Not Specified : Not Specified	0.000	0.000		0.000		8.600	Feb 2025	-		8.600	0.000	8.600	-
PMASKC	TBD	Not Specified : Not Specified	0.000	0.000		0.000		18.500	Apr 2025	-		18.500	0.000	18.500	-
JRBL Cage	TBD	Not Specified : Not Specified	0.000	0.000		0.000		6.000	Feb 2025	-		6.000	0.000	6.000	-
<b>Subtotal</b>			11.347	62.122		117.152		107.094		-		107.094	Continuing	Continuing	N/A

**Remarks**  
Decrease from FY 2024 to FY 2025 is directly associated with the completion of Logistics Transport project, culminating in the evaluation of unmanned ground vehicles with III Marine Expeditionary Forces (MEF).

<b>Support (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Engineering Analysis and program office support	C/FFP	MCSC : Quantico, VA	0.825	0.000		0.000		0.000		-		0.000	0.000	0.825	-

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>
--	--	---

<b>Support (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Engineering Support	WR	NIWC LANT : Charleston, SC	0.500	0.750	Apr 2023	0.000		0.000		-		0.000	0.000	1.250	-
Program and Engineering Support	WR	NSWC PCD : Panama City, FL	1.389	1.135	Apr 2023	0.250	Apr 2024	0.250	Apr 2025	-		0.250	0.000	3.024	-
Engineering Support	WR	NSWC IH : Indian Head, MD	1.095	1.010	Apr 2023	0.000		0.000		-		0.000	0.000	2.105	-
Engineering Support	C/BA	NSWC Crane : Crane, IN	0.500	0.750	Apr 2023	0.250	Apr 2024	0.250	Apr 2025	-		0.250	0.000	1.750	-
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	0.705	Mar 2023	8.023	Mar 2024	7.798	Mar 2025	-		7.798	0.000	16.526	-
<b>Subtotal</b>			4.875	4.350		8.523		8.298		-		8.298	0.000	26.046	N/A

**Remarks**  
Decrease from FY 2024 to FY 2025 is directly associated with a decrease in support tied to Rapid Defense Experimentation Reserve (RDER) initiatives.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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 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	1.956	3.120	Jun 2023	6.088	Jun 2024	0.000		-		0.000	0.000	11.164	-
Developmental Test & Evaluation (DT&E)	C/CPFF	DARPA : Arlington, VA	0.000	0.000		0.000		5.000	Jan 2025	-		5.000	0.000	5.000	-
<b>Subtotal</b>			3.358	3.120		6.088		5.000		-		5.000	0.000	17.566	N/A

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>
--	--	---

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			

**Remarks**  
Decrease from FY 2024 to FY 2025 is directly associated with the completion of test events for Rapid Defense Experimentation Reserve (RDER) initiatives.

<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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 Years Cumulative Funding	Various	Various : Various	4.322	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			4.322	0.000		0.000		0.000		-		0.000	Continuing	Continuing	N/A

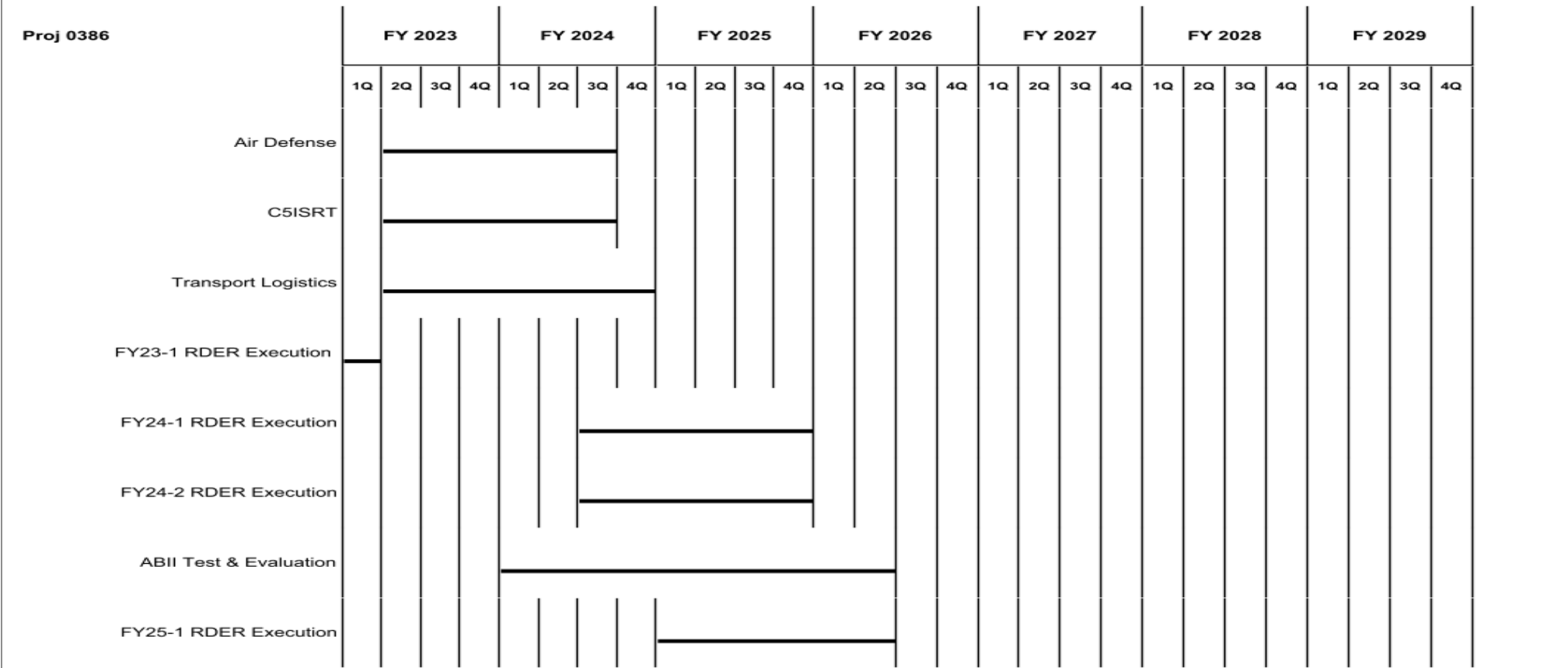
	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>		23.902	69.592	131.763	120.392	-	120.392	Continuing	Continuing	N/A

**Remarks**  
Overall decrease from FY 2024 to FY 2025 primarily reflects decreased OUSD R&E funding for prototype development and operational assessments of approved Rapid Defense Experimentation Reserve (RDER) initiatives.

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>
--	--	---



2025PB - 0604320M - 0386

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date: March 2024</b>
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 0386 / <i>Rapid Prototype Development, Marine Corps</i>

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b>Proj 0386</b>				
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
FY23-1 RDER Execution: MQ-Series Enhancements, Low Cost Attributable Aircraft, FITC	1	2023	1	2023
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
ABII Test & Evaluation: Multiple ABII Test Events	1	2024	2	2026
FY25-1 RDER Execution: Classified #1, Classified #2, Unmanned Maritime Deployment, NEMEA, Open Sensor Hub, PENTHouse, Starlink Positioning, Affluent Archer, PMASKC, JRBL Cage	1	2025	2	2026

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Navy **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 9999 / <i>Congressional Adds</i>
--	--	--

COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	7.723	4.827	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	12.550
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 2023	FY 2024
<b>Congressional Add:</b> Marine Corps warfighting lab partnership	4.827	0.000
<b>FY 2023 Accomplishments:</b> - Initiate prototype development for autonomous surface vessels in support of Reconnaissance / Counter-reconnaissance and refinement of CONOPS and CONEMPS.		
<b>FY 2024 Plans:</b> N/A		
<b>Congressional Adds Subtotals</b>	4.827	0.000

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

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• RDTEN/0604320M/0386: <i>Rapid Prototype Development, Marine Corps</i>	69.592	131.763	120.392	-	120.392	23.965	21.392	16.728	17.080	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

N/A



**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 9999 / <i>Congressional Adds</i>
--	--	--

Proj 9999	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
		Low Profile Vessel Demo ●																										
		Cyber EW Payload Demo ●	MiTech Support Services																									
								ALPV Multiple Vessels Available ●																				

2025DON - 0604320M - 9999

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604320M / <i>Rapid Technology Capability Prototype</i>	<b>Project (Number/Name)</b> 9999 / <i>Congressional Adds</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 9999</b>				
Low Profile Vessel Demo	2	2023	2	2023
Cyber EW Payload Demo	2	2023	2	2023
FY23 Contract Award (MilTech Support Services)	3	2023	2	2024
Autonomous Low Profile Prototypes for Fleet Experimentation	2	2024	2	2024