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

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)
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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	133.078	33.641	37.805	9.773	-	9.773	10.495	10.670	10.904	11.130	49.140	306.636
9999: <i>Congressional Adds</i>	79.135	28.961	30.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	138.096
9B88: <i>Automated Test and Analysis</i>	53.943	4.680	7.805	9.773	-	9.773	10.495	10.670	10.904	11.130	49.140	168.540

A. Mission Description and Budget Item Justification

Starting in FY 2016, the Navy implemented an enterprise approach to Automated Test and Analysis (ATA) which adds a new method of automated test technologies, standardizes automated test practices, methods and tools. ATA expands the automated test methods that's currently used in Automated Test and Re-Test (ATRT). ATRT technologies provide essential development, assessment, and operational analysis capabilities to streamline testing and certification for both single systems and systems of systems capabilities in order to reduce development time for new capabilities from years to weeks. Also, leveraged to support refactoring, development, and assessment of Artificial Intelligence / Machine Learning (AI/ML) aids with other applications to deliver warfighting capability. Integration of legacy code and systems across the Naval warfighting portfolio soon to achieve an open integration and interoperability environment.

Project funding supports the development of enterprise level strategies and activities to apply ATA technologies to software-intensive acquisition programs. The objectives include support for the Chief of Naval Operations' (CNO) vision outlined in the CNO's Navigation Plan (NAVPLAN) through continued development and commercialization of ATRT Small Business Innovation Research (SBIR) technologies across the Navy enterprise. These SBIR derived technologies enable the Navy enterprise to make rapid capability improvements through software updates while maintaining a continuous Authority to Operate (ATO) on a common digital warfighting platform, and in enterprise sandbox technologies.

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	34.766	7.805	0.000	-	0.000
Current President's Budget	33.641	37.805	9.773	-	9.773
Total Adjustments	-1.125	30.000	9.773	-	9.773
• Congressional General Reductions	-	-	-	-	-
• Congressional Directed Reductions	-	-	-	-	-
• Congressional Rescissions	-	-	-	-	-
• Congressional Adds	-	30.000	-	-	-
• Congressional Directed Transfers	-	-	-	-	-
• Reprogrammings	-	-	-	-	-
• SBIR/STTR Transfer	-1.125	0.000	-	-	-
• Program Adjustments	0.000	0.000	0.000	-	0.000
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
• Adjustments to Budget Year	-	-	9.773	-	9.773

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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 0603597N I (U)*AUTOMATED TEST AND RE-TEST (ATRT)*

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

Project: 9999: *Congressional Adds*
 Congressional Add: *Program Increase*

	FY 2021	FY 2022
	28.961	30.000
Congressional Add Subtotals for Project: 9999	28.961	30.000
Congressional Add Totals for all Projects	28.961	30.000

Change Summary Explanation

TECHNICAL: No significant changes.

SCHEDULE: Activities and milestones clarified to better show synchronization of Project 9B88 activities and deliverables in support of Project Overmatch and digital warfighting transformation objectives and enterprise sandbox technologies.

Major Milestones - Project 9B88:

The overall schedule for project 9B88 is linked to the Project Overmatch schedule which is held at a higher classification. The project anticipates a major milestone as a Live, Virtual, Constructive (LVC) Test in Q1 FY 2023 for the Increment 2.

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

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9999 / Congressional Adds
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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: <i>Congressional Adds</i>	79.135	28.961	30.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	138.096
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

ATRT technologies provide essential development and operational analysis capabilities to streamline testing and certification for software for both single systems/units and systems of systems capabilities to reduce development time for new capabilities from years to weeks. Leveraging cloud and virtualization technologies within a force-level system of systems interoperability test bed, ATRT enables agile software updates to afloat and airborne edge infrastructures with automated near real-time analysis of interoperability improvements and performance virtually.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2021	FY 2022
Congressional Add: Program Increase	28.961	30.000
<p>FY 2021 Accomplishments: - Continued to develop and utilize ATRT scaling to connect, bring visibility, learn and accelerate capability Deliveries.</p> <ul style="list-style-type: none"> - Continued to scale the ATRT enterprise capabilities that support Cloud Development Environments (DevSecOps software factories, environments, and tools) - Continued the enhancement of ATRT tools supporting DevSecOps CD/CI in support of priority all domain mission thread(s). - Continued the scaling and expansion of ATRT to support cross-domain mission area test and analysis. - Continued to develop ATRT technologies to support Battle Management Aids (BMAs) and Tactical Decision Aids (TDA), including Artificial Intelligence (AI) /Machine Learning (ML) tools, leveraging scaling on the Navy's data pipeline for AI/ML. <p>FY 2022 Plans: - Continued to develop and utilize ATRT scaling to connect, bring visibility, learn and accelerate capability Deliveries.</p> <ul style="list-style-type: none"> - Continued to scale the ATRT enterprise capabilities that support Cloud Development Environments (DevSecOps software factories, environments, and tools) 		

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9999 / Congressional Adds
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022
- Continued the enhancement of ATRT tools supporting DevSecOps CD/CI in support of priority all domain mission thread(s). - Continued the scaling and expansion of ATRT to support cross-domain mission area test and analysis. - Continued to develop ATRT technologies to support Battle Management Aids (BMAs) and Tactical Decision Aids (TDA), including Artificial Intelligence (AI) /Machine Learning (ML) tools, leveraging scaling on the Navy's data pipeline for AI/ML.		
Congressional Adds Subtotals	28.961	30.000

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/0307577N: <i>Intelligence Mission Data (IMD)</i>	0.000	0.907	0.851	-	0.851	0.771	0.780	0.793	0.806	Continuing	Continuing
• RDTEN/0604027N: <i>Digital Warfare</i>	34.943	46.769	165.753	-	165.753	179.024	134.595	134.426	136.835	Continuing	Continuing
• RDTEN/0603382N/0324: <i>Adv Combat System Technology</i>	1.299	1.566	2.480	-	2.480	2.205	2.038	2.075	2.025	Continuing	Continuing
• RDTEN/0308601N: <i>Modeling & Simulation Support</i>	8.494	9.772	9.437	-	9.437	10.763	10.722	10.562	10.737	Continuing	Continuing
• OMN/4B3N: <i>Acquisition, Logistics, and Oversight</i>	5.042	6.498	6.670	-	6.670	6.930	4.453	4.542	4.633	Continuing	Continuing

Remarks
 This effort synergizes with and leverages / supports other funded efforts including Intelligence Mission Data (IMD) (RDTEN/PE 0307577N), Digital Warfare (RDTEN/PE 0604027N), Advanced Combat Systems Tech (RDTEN/ PE 0603382N/Proj 0324), and Modeling & Simulation Support (RDTEN/PE 0308601N, OMN/4B3N) to support Project Overmatch and warfighting digital transformation efforts.

D. Acquisition Strategy

This is a non ACAT program. The ATA project enables automated test tool projects from all qualified sources that enable significantly reduced time to complete critical testing, increase productivity, system robustness, improving and speeding test analysis, and identify commonalities for reuse in transformational automated testing for Naval acquisition programs. This project leverages small business entrepreneurialship and innovation, and subsequent scaling of those capabilities to the Navy enterprise in partnership with the Defense Industrial Base, government laboratories / capabilities, and academia. Automated Test/Re-Test (ATRT) technologies enable significant reductions in the time to complete critical testing, and produce objective quality evidence in support of validation, verification and certification of engineering artifacts,

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Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
1319 / 4	PE 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	9999 / Congressional Adds

and will provide a test apparatus within Naval Development, Security, and Operations (DevSecOps) software factories that ensure applications support development of warfighting capabilities that meet test driven development and standards before deployment leveraging Continuous Integration / Continuous Development software pipelines and scaling. These efforts leveraging ATRT technologies, and ATRT-powered analytics on the edge will enable priority mission threads and Warfare models in order to deliver capability across force level kill chains.

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

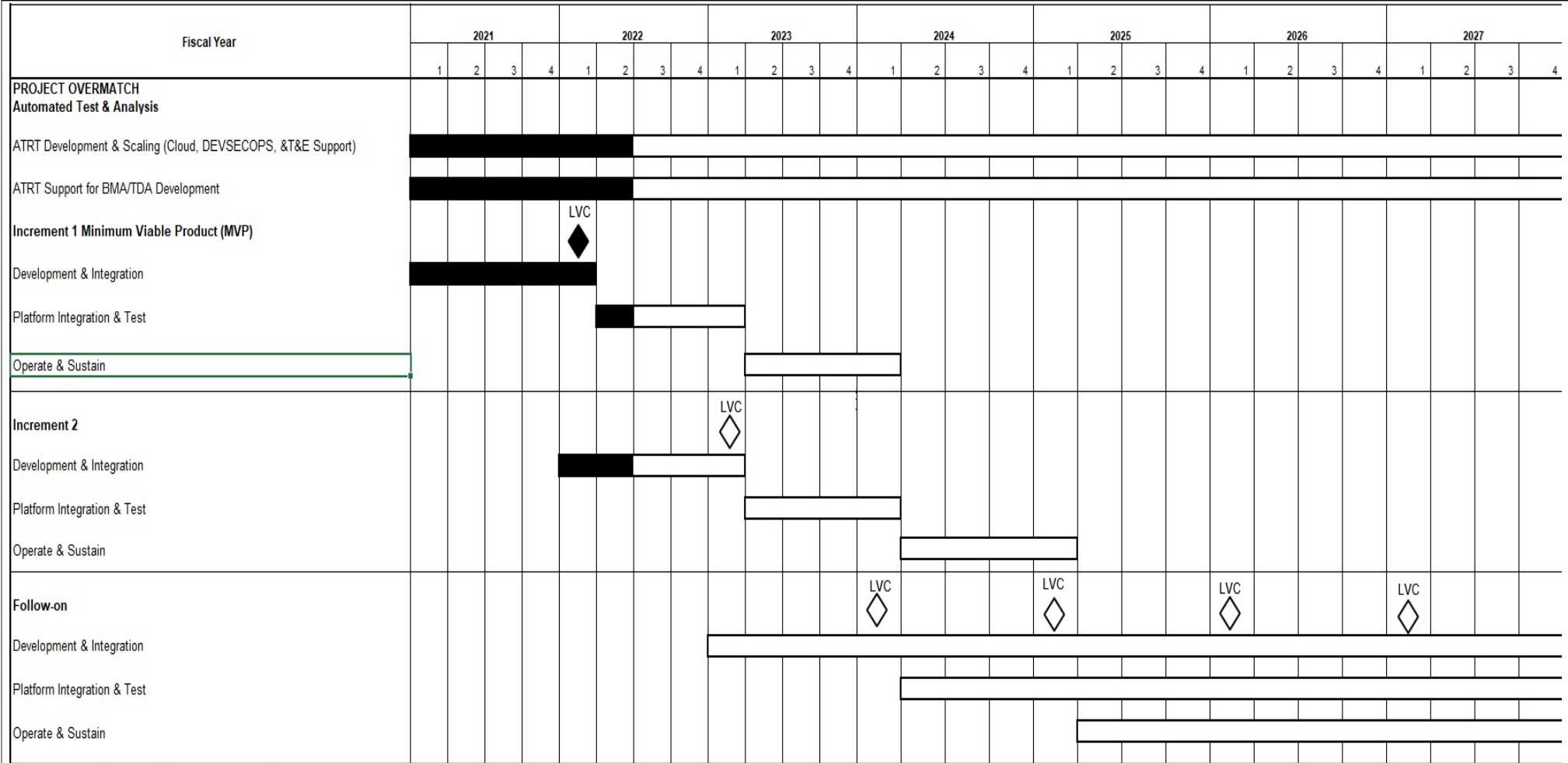
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9999 / Congressional Adds
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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
Automated Test & Analysis	C/CPFF	Innovative Defense Technologies (IDT) : Ballston, VA	45.873	13.461	Jul 2021	24.129	May 2022	0.000		-		0.000	0.000	83.463	-
Automated Test & Analysis	WR	NIWC Pacific : San Diego, CA	4.383	0.180	May 2021	1.054	May 2022	0.000		-		0.000	0.000	5.617	-
Automated Test & Analysis	WR	Marine Corp : Not Specified	0.450	0.000		0.000		0.000		-		0.000	0.000	0.450	-
Automated Test & Analysis	WR	NAVAIR : Lakehurst NJ	2.362	0.000		0.000		0.000		-		0.000	0.000	2.362	-
Automated Test & Analysis	Various	Various NSWCs : Various	4.492	3.200	May 2021	2.395	May 2022	0.000		-		0.000	0.000	10.087	-
Automated Test & Analysis	C/FFP	AFLCMC/AZS : Hanscomb AFB	0.478	0.000		0.000		0.000		-		0.000	0.000	0.478	-
Automated Test & Analysis	C/FFP	AFIT : Wright- : AFB, OH	0.203	0.000		0.000		0.000		-		0.000	0.000	0.203	-
Automated Test & Analysis	C/CPFF	NAVSEA HQ : Washington, DC	4.265	0.000		0.000		0.000		-		0.000	0.000	4.265	-
Automated Test & Analysis	TBD	ONR : Arlington, VA	13.642	0.000		0.000		0.000		-		0.000	0.000	13.642	-
Automated Test & Analysis	WR	ASN/RDA/ONR : Arlington, VA	0.000	5.000	Jul 2021	0.000		0.000		-		0.000	0.000	5.000	-
Automated Test & Analysis	C/FFP	NUWC Newport : Newport, RI	0.765	0.293	May 2021	0.297	May 2022	0.000		-		0.000	0.000	1.355	-
Automated Test & Analysis	C/FFP	Solute : San Diego, CA	0.200	1.000	Jul 2021	0.000		0.000		-		0.000	0.000	1.200	-
Automated Test & Analysis	C/CPFF	JHU APL : Washington, DC	0.500	0.000		0.000		0.000		-		0.000	0.000	0.500	-
Automated Test & Analysis	C/BA	NAWC AD : Patuxent River, MD	0.850	0.713	May 2021	0.725	May 2022	0.000		-		0.000	0.000	2.288	-
Subtotal			78.463	23.847		28.600		0.000		-		0.000	0.000	130.910	N/A

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9999 / Congressional Adds
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Note: Specifics have been removed due to Classified nature of the Project

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9999 / Congressional Adds
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 9999				
Automated Test and Analysis (ATA): Automated Test and Analysis: ATRT Development & Scaling	1	2021	1	2027
Automated Test and Analysis (ATA): Automated Test and Analysis: ATRT Support for BMA / TDA Development	1	2021	1	2027
FY20 CTE Program Magt/ Governance Process/ Technical Exchanges:	1	2021	4	2021
FY20 CTE Infrastructure Development:	1	2021	4	2021
FY20 CTE Capability Enhancements:	1	2021	4	2021
FY20 CTE Tools/Product Integration:	1	2021	4	2021
FY20 CTE Capability Demonstrations:	1	2021	4	2021
FY20 CTE / AEGIS Virtual Twin:	1	2021	3	2021
FY21 SoS Demonstrations:	3	2021	1	2022
FY21 ATRT Software Build 1.3:	3	2021	1	2022

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)				Project (Number/Name) 9B88 / Automated Test and Analysis			
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
9B88: Automated Test and Analysis	53.943	4.680	7.805	9.773	-	9.773	10.495	10.670	10.904	11.130	49.140	168.540
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program objectives are to provide Automated Test and Re-Test (ATRT) capabilities to enable faster and more consistent testing across the Naval enterprise. Specifically in the near term this project seeks to implement ATRT on into digital capabilities, laboratory testing, and the Overmatch Software Armory (OSA) DevSecOps environment to conduct secure system development scalable distributed simulation. A seamless push to afloat, airborne, and edge infrastructure allowing the Navy's designated user community to make software updates (new and modernization of old code) while maintaining, or eliminating, the need for an Authority to Operate (ATO). The Continuous Delivery/Continuous Integration (CD/CI) of capability enabled by the ATRT technology for real time software code analysis and performance testing in the Cloud Development Environment (CDE), as well as, rapid feedback in the Operational Environment (OE). Enabling this effort, this program is developing and scaling the Integrated Modeling Environment (IME), which supports shared and linked Model Based Systems Engineering (MBSE) from the mission level, to the function/system level. This will in turn power the ATRT models that analytically link together software code production output with intended planned capability developed against gaps filled at the mission level, enabling rapid and continuous iteration and deployment of software into the digital environment.

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

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: Automated Test and Analysis	4.680	7.805	9.773	0.000	9.773
Articles:	-	-	-	-	-
FY 2022 Plans:					
- Continue to develop and utilize ATRT scaling to connect, bring visibility, learn and accelerate capability deliveries.					
- Continue to scale the ATRT enterprise capabilities that support Cloud Development Environments (DevSecOps software factories, environments, and tools)					
- Continue the enhancement of ATRT tools supporting DevSecOps CD/CI in support of priority all domain mission thread(s).					
- Continue the scaling and expansion of ATRT to support cross-domain mission area test and analysis.					

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9B88 / Automated Test and Analysis
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<p>- Continue to develop ATRT technologies to support Battle Management Aids (BMAs) and Tactical Decision Aids (TDA), including Artificial Intelligence/Machine Learning (AI/ML) tools, leveraging scaling on the Navy's data pipeline for AI/ML and digital environments, and inclusion of open cloud environments for third party applications.</p> <p>FY 2023 Base Plans:</p> <p>- Continue to develop and utilize ATRT scaling to connect, bring visibility, learn and accelerate capability deliveries.</p> <p>- Continue to scale the ATRT enterprise capabilities that support Cloud Development Environments (DevSecOps software factories, environments, and tools)</p> <p>- Continue the enhancement of ATRT tools supporting DevSecOps CD/CI in support of priority all domain mission thread(s).</p> <p>- Continue the scaling and expansion of ATRT to support cross-domain mission area test and analysis.</p> <p>- Continue to develop ATRT technologies to support Battle Management Aids (BMAs) and Tactical Decision Aids (TDA), including Artificial Intelligence/Machine Learning (AI/ML) tools, leveraging scaling on the Navy's data pipeline for AI/ML and digital environments, and inclusion of open cloud environments for third party applications.</p> <p>FY 2023 OCO Plans: N/A</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: The increase of \$1.968M in program resources from FY 2022 to FY 2023 is required to further enable faster software testing in lab environments to facilitate delivery of better integrated software solutions into the fleet. This includes integration of test capabilities into laboratories as well as the Overmatch Software Armory (OSA).</p>					
Accomplishments/Planned Programs Subtotals	4.680	7.805	9.773	0.000	9.773

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/0307577N: <i>Intelligence Mission Data (IMD)</i>	0.000	0.907	0.851	-	0.851	0.771	0.780	0.793	0.806	Continuing Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy	Date: April 2022
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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRTR)	Project (Number/Name) 9B88 / Automated Test and Analysis
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C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2021	FY 2022	FY 2023	FY 2023	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Cost To	
			Base	OCO	Total					Complete	Total Cost
• RDTEN/0604027N: <i>Digital Warfare</i>	34.943	46.769	165.753	-	165.753	179.024	134.595	134.426	136.835	Continuing	Continuing
• RDTEN/0603382N/0324: <i>Adv Combat System Technology</i>	1.299	1.566	2.480	-	2.480	2.205	2.038	2.075	2.025	Continuing	Continuing
• RDTEN/0308601N: <i>Modeling & Simulation Support</i>	8.494	9.772	9.437	-	9.437	10.763	10.722	10.562	10.737	Continuing	Continuing
• OMN/4B3N: <i>Acquisition, Logistics, and Oversight</i>	5.042	6.498	6.670	-	6.670	6.930	4.453	4.542	4.633	Continuing	Continuing

Remarks

This effort synergizes with and leverages / supports other funded efforts including Intelligence Mission Data (IMD) (RDTEN/PE 0307577N), Digital Warfare (RDTEN/PE 0604027N), Advanced Combat Systems Tech (RDTEN/ PE 0603382N/Proj 0324), and Modeling & Simulation Support (RDTEN/PE 0308601N, OMN/4B3N) to support Project Overmatch and warfighting digital transformation efforts.

D. Acquisition Strategy

This is a non-ACAT program. Usage of SBIR Phase III contracts is a cornerstone of the Automated Test & Analysis, Project 9B88 acquisition strategy. The ATA program solicits automated test tool projects from all qualified sources that show the potential to significantly reduce the time to complete critical testing, increase productivity or system robustness, improving and speeding test analysis, and identify commonalities for reuse in testing of Naval acquisition programs. All valid submitted projects will be evaluated for potential funding. Projects selected will typically be funded for one year, in which time they must demonstrate their ability to significantly reduce the time to complete critical testing, improve and speed test analysis, or find and correct critical design flaws in testing of Naval acquisition programs. Successful funded projects and artifacts will be advertised and made available across the Naval enterprise for acquisition program consideration, funding, and use. These include engagements throughout the Defense Industrial Base, government laboratories, and academia, to develop and deliver Automated Test and Re-Test (ATRTR) suite of technologies.

This effort synergizes with and leverages / supports other funded efforts including Digital Warfare (PE 0604027N), Automated Combat Systems Tech (PE 0603382N), Modeling & Simulation Support (PE 0308601N), and Intelligence Mission Data (IMD) (PE 0307577N) to support Project Overmatch and warfighting digital transformation efforts, and enterprise sandbox technologies.

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9B88 / Automated Test and Analysis
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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
Automated Test & Analysis	C/CPFF	Innovative Defense Technologies (IDT) : Ballston, VA	36.069	2.253	Dec 2020	3.035	Dec 2021	3.348	Dec 2022	-		3.348	0.000	44.705	Continuing
Automated Test & Analysis	WR	NIWC Pacific : San Diego, CA	10.267	1.907	Nov 2020	2.570	Nov 2021	2.976	Nov 2022	-		2.976	0.000	17.720	Continuing
Automated Test & Analysis	WR	Marine Corp : Not Specified	0.833	0.000		0.000		0.000		-		0.000	0.000	0.833	-
Automated Test & Analysis	Various	Various NWCFs : Various NWCFs	3.899	0.230	Nov 2020	0.750	Nov 2021	1.657	Nov 2022	-		1.657	0.000	6.536	Continuing
Automated Test & Analysis	C/CPFF	AFIT : Wright-Patterson AFB, OH	0.543	0.040	Nov 2020	0.000		0.000		-		0.000	0.000	0.583	-
Automated Test & Analysis	Various	Various Non-NWCFs : Various Non-NWCFs	2.260	0.000		1.200	Apr 2022	1.542	Nov 2022	-		1.542	0.000	5.002	Continuing
Subtotal			53.871	4.430		7.555		9.523		-		9.523	0.000	75.379	N/A

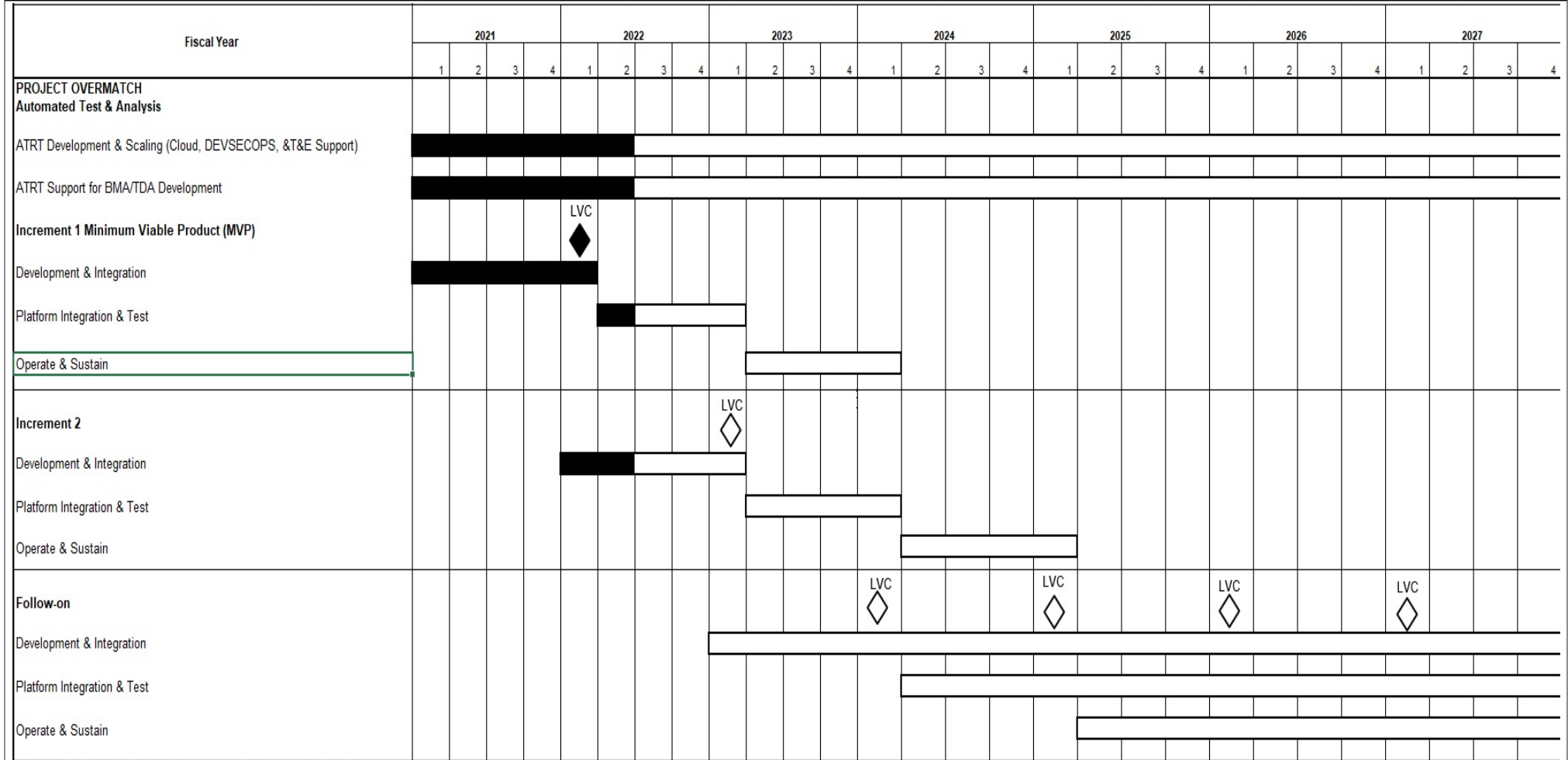
Remarks
Funding increase of \$1.968M from FY22 to FY23 is due to the increased need to deliver integrated systems of systems software solutions to the fleet via faster test speeds from the ATRT effort once integrated in the lab and OSA.

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
Automated Test & Analysis	C/CPFF	Tech-Marine Business : Washington, DC	0.072	0.100	Nov 2020	0.100	Nov 2021	0.100	Dec 2022	-		0.100	0.000	0.372	Continuing
Subtotal			0.072	0.100		0.100		0.100		-		0.100	0.000	0.372	N/A

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9B88 / Automated Test and Analysis
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Note: Specifics have been removed due to Classified nature of the Project

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9B88 / Automated Test and Analysis
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 9B88				
Automated Test & Analysis: Automated Test and Analysis: ATRT Development & Scaling	1	2021	4	2027
Automated Test & Analysis: Automated Test and Analysis: ATRT Support for BMA / TDA Development	1	2021	4	2027
Increment 1 Minimum Viable Product: Development & Integration	1	2021	1	2022
Increment 1 Minimum Viable Product: Platform Integration & Test	2	2022	1	2023
Increment 1 Minimum Viable Product: Development and Integration: Live, Virtual, and Constructive Test Event	1	2022	1	2022
Increment 1 Minimum Viable Product: Operate & Sustain	2	2023	1	2024
Increment 2: Development & Integration	1	2022	1	2023
Increment 2: Development and Integration: Live, Virtual, and Constructive Test Event	1	2023	1	2023
Increment 2: Platform Integration & Test	2	2023	1	2024
Increment 2: Operate & Sustain	2	2024	1	2025
Increment 2: Follow-on: Development & Integration	1	2023	4	2027
Increment 2: Follow-on: Platform Integration & Test	2	2024	4	2027
Increment 2: Follow-on: Operate & Sustain	2	2025	4	2027
Increment 2: Follow-on: Development and Integration: Live, Virtual, and Constructive Test Event 24	1	2024	1	2024
Increment 2: Follow-on: Development and Integration: Live, Virtual, and Constructive Test Event 25	1	2025	1	2025
Increment 2: Follow-on: Development and Integration: Live, Virtual, and Constructive Test Event 26	1	2026	1	2026

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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 0603597N / (U)AUTOMATED TEST AND RE-TEST (ATRT)	Project (Number/Name) 9B88 / Automated Test and Analysis

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Increment 2: Follow-on: Development and Integration: Live, Virtual, and Constructive Test Event 27	1	2027	1	2027