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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z I <i>Advanced Innovative Technologies</i>
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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	5,840.663	756.117	1,147.555	1,085.826	-	1,085.826	777.791	521.062	519.650	530.639	Continuing	Continuing
250: <i>Advanced Innovative Technologies</i>	5,840.663	756.117	1,147.555	1,085.826	-	1,085.826	777.791	521.062	519.650	530.639	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The Strategic Capabilities Office (SCO) develops, demonstrates, and transitions game-changing capabilities and effects to shape and counter emerging threats and increase the lethality of the Joint Force in contested environments. The SCO combines innovation with concepts of operation to develop novel capabilities solving critical national security challenges in partnership with the Services, Defense Agencies, Combatant Commands (CCMDS), Joint Chiefs of Staff, Intelligence Community, and the Office of the Secretary of Defense (OSD).

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	777.199	1,145.358	1,036.754	-	1,036.754
Current President's Budget	756.117	1,147.555	1,085.826	-	1,085.826
Total Adjustments	-21.082	2.197	49.072	-	49.072
• Congressional General Reductions	-	-0.553			
• Congressional Directed Reductions	-	-57.250			
• Congressional Rescissions	-	-			
• Congressional Adds	-	60.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-20.964	-			
• Program Adjustments	-0.118	-	49.072	-	49.072

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

**Project:** 250: *Advanced Innovative Technologies*

- Congressional Add: *Pele Mobile Nuclear Microreactor*
- Congressional Add: *Pele Second Source*
- Congressional Add: *Seaman's Eye*
- Congressional Add: *Service Tactical Signal Intelligence Upgrades*
- Congressional Add: *LIDAR C-UAS automated target Recognition*

	FY 2022	FY 2023
	60.000	17.000
	-	20.000
	3.000	8.000
	-	10.000
	-	5.000

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

	FY 2022	FY 2023
Congressional Add Subtotals for Project: 250	63.000	60.000
Congressional Add Totals for all Projects	63.000	60.000

**Change Summary Explanation**

The FY 2024 increase of \$49.072 million is comprised of a \$47.0 million increase to Classified projects, a realignment of \$3.784 million to support other DoD and departmental priorities and an economic assumption increase of \$5.856 million.

SCO's FY 2024 Pacific Deterrence Initiative (PDI) spending under Exercises, Training, Experimentation, and Innovation has increased by \$22.2 million to \$970.5 million, as five new capability projects transition into Execution in FY 2024.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>				<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
250: <i>Advanced Innovative Technologies</i>	5,840.663	756.117	1,147.555	1,085.826	-	1,085.826	777.791	521.062	519.650	530.639	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The Strategic Capabilities Office (SCO) develops, demonstrates, and transitions game-changing capabilities and effects to shape and counter emerging threats and increase the lethality of the Joint Force in contested environments. The SCO combines innovation with concepts of operation and information management to develop novel capabilities solving critical national security challenges in partnership with the Services, Defense Agencies, Combatant Commands (CCMDS), Joint Chiefs of Staff, Intelligence Community, and the Office of the Secretary of Defense (OSD).

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Title:</b> Advanced Innovative Technologies Project Management</p> <p><b>Description:</b> SCO has a small WHS-funded government civilian workforce, and relies on this project to fund the required additional labor for subject matter experts and programmatic support teams to help centrally manage the execution of the SCO prototype development portfolio. In addition this project funds the travel for civil service employees, detailed staff, Inter-governmental Personnel Act participants, and Systems Engineering and Technical Assistance (SETA) contract staff that manage SCO's projects, studies, and test support. This staff annually supports 20-24 prototype project teams, the on-going study and development of additional concepts, and the office support functions like: program security representatives, intelligence, Information Technology, and finance and accounting support staff required to enable the project teams.</p> <p><b>FY 2023 Plans:</b> These funds provide for SCO labor and travel to support the 20-24 project teams that are active each fiscal year.</p> <p><b>FY 2024 Plans:</b> These funds provide for SCO labor and travel to support the 20-24 project teams that are active each fiscal year.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY 2024 increase due to forward funding from FY 2022 to allocate a higher budget to the facility and IT modifications in FY 2023 under the Mission Support Infrastructure project.</p>	53.158	41.516	49.044
<p><b>Title:</b> Athena</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p>	-	-	6.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Athena enters the prototyping phase in FY 2024.</p>				
<p><b>Title:</b> Aurora</p> <p><b>Description:</b> The Aurora project provides mission planning and execution aids to support fleet operations. Specific applications and detailed plans are available at a higher classification level. The project was completed with FY22 funding.</p>		17.589	-	-
<p><b>Title:</b> Avatar</p> <p><b>Description:</b> The Avatar project develops enhanced manned-unmanned capabilities. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p><b>FY 2023 Plans:</b> The project will be completed with FY 2023 funding.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The project will be completed with FY 2023 funding.</p>		38.890	11.151	-
<p><b>Title:</b> Bedlam</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The change is consistent with the planned project phasing which is available at higher classification levels.</p>		-	-	15.500
<p><b>Title:</b> Black Hole Sun</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b></p>		-	-	8.200

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Due to the classified nature of this project, specific applications and details are available at a higher classification level.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Black Hole Sun enters the prototyping phase in FY 2024.				
<b>Title:</b> Classified Projects		350.686	583.671	599.030
<b>Description:</b> Due to the classified nature of these projects, specific applications and details are available at a higher classification level.				
<b>FY 2023 Plans:</b> Due to the classified nature of these projects, specific applications and details are available at a higher classification level.				
<b>FY 2024 Plans:</b> Due to the classified nature of these projects, specific applications and details are available at a higher classification level.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The change is consistent with the planned projects phasing which are available at higher classification levels.				
<b>Title:</b> Complete Pivot		-	2.830	-
<b>Description:</b> Complete Pivot develops and demonstrates tactical command, control and communication capability in relevant combat environments. Due to the nature of this project, specific applications and detailed plans are available at a higher classification.				
<b>FY 2023 Plans:</b> Completes a planned transition.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The project will be completed with FY 2023 funding.				
<b>Title:</b> Eclipse		20.800	11.500	-
<b>Description:</b> The Eclipse project accelerates the maturation and fielding of emerging disruptive technologies. Specific applications and detailed plans are available at a higher classification level.				
<b>FY 2023 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
The project will be completed with FY 2023 funding.				
<p><b>Title:</b> Emerging Opportunities</p> <p><b>Description:</b> Implementation of small new capabilities or augmentations as a result of latest intelligence and threats analysis. Highest impact projects will be selected in the execution year based upon the most recent intelligence to accelerate capabilities by up to 2 years.</p> <p><b>FY 2023 Plans:</b> Opportunities will be selected during the execution year.</p> <p><b>FY 2024 Plans:</b> Opportunities will be selected during the execution year.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Budget increases due to inflationary growth.</p>		-	11.400	11.500
<p><b>Title:</b> Equinox</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Equinox enters the prototyping phase in FY 2024.</p>		-	-	8.800
<p><b>Title:</b> Galaxian</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 Plans:</b> Galaxian entered the prototyping phase in FY 2023. Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b></p>		-	11.100	15.400

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
The change is consistent with the planned project phasing which is available at higher classification levels.				
<b>Title:</b> Ghost Fleet <b>Description:</b> SCO will develop and demonstrate fleet integrated, operational prototype unmanned maritime vehicles to fill existing mission requirements for Combatant Commanders. Due to the classified nature of this project, specific applications and details are available at a higher classification level. This project was completed with FY 2021 funding, except for small transition tasks requiring FY22 funds.		0.466	-	-
<b>Title:</b> Gollum <b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level. <b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level. <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Gollum enters the prototyping phase in FY 2024		-	-	4.300
<b>Title:</b> Hoover <b>Description:</b> The Hoover project applies machine learning algorithms and techniques in order to reduce operator workload and data throughput requirements. Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification. <b>FY 2023 Plans:</b> This projects is completed with FY 2023 funding. <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The decrease is due to planned completion of the project.		27.030	12.500	-
<b>Title:</b> Hurt Locker <b>Description:</b> The Hurt Locker project demonstrates feasibility and utility of alternative system deployment. This program will retire risks associated with cross platform integration of existing weapons control systems. Due to the nature of this project, specific applications and detailed plans are available at a higher classification. <b>FY 2023 Plans:</b>		19.924	37.750	12.000

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
Due to the classified nature of this project, specific applications and details are available at a higher classification level.				
<b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The change is consistent with the planned project phasing which is available at higher classification levels.				
<b>Title:</b> Hypervelocity Gun Weapon System (HGWS)		27.025	127.870	194.300
<b>Description:</b> Cost-effective, large magazine small area defense will be demonstrated by closing the fire control loop between sensors and prototype projectiles launched from existing families of powder gun cannons. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.				
<b>FY 2023 Plans:</b> The HGWS project will support initiation of the Engineering & Manufacturing Development (EMD) phase in preparation for transition efforts.				
<b>FY 2024 Plans:</b> The HGWS project will continue the EMD phase and conduct an advanced threat engagement(s) test event in support of production and transition assessments.				
<b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The change supports the EMD phase.				
<b>Title:</b> Mission Support Infrastructure		12.307	24.000	17.152
<b>Description:</b> These funds provide facility and information technology support costs for the Strategic Capabilities Office. Costs include: building lease payments, utilities, upkeep and refurbishment; physical security; supplies, office furnishings and communications equipment; video teleconferencing suites across multiple security levels; and information technology hardware systems and software licenses across multiple levels of security for the entire SCO staff.				
<b>FY 2023 Plans:</b> SCO's main operating facility is undergoing an extensive refurbishment, updating the security, safety, and information technology infrastructure of a 30-year old facility.				
<b>FY 2024 Plans:</b>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
SCO's main operating facility continues undergoing an extensive refurbishment, updating the security, safety, and information technology infrastructure of a 30-year old facility.  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Primary costs for facility mods were scheduled to be paid in FY 2023.				
<b>Title:</b> Pele  <b>Description:</b> Develop a prototype transportable nuclear microreactor to be demonstrated by FY 2025 that can generate 1-5 MW of electric power, is transportable in standard shipping containers, and meets safety, legal, and regulatory requirements to minimize risk of radiation exposure, nuclear proliferation, and environmental impact. In addition, testing, modeling, and analysis will be performed to prepare for future service transition decisions.  <b>FY 2023 Plans:</b> Complete baseline design and then complete the ensuing Preliminary Safety Analysis Report (PSAR), performed by the Department of Energy. Hardware will be procured and manufacturing of the prototype reactor will begin, as will the corresponding work toward a Final Safety Analysis Report (FSAR). Pele will also begin fabrication of the HALEU TRISO particles and compacts for the reactor core, and will prepare those compacts for shipment to the assembly site, Idaho National Laboratory (INL), to include regulatory approval for that shipment. The project will also support the prime contractor, BWXT, in seeking regulatory approval for U.S. highway transportation of the post-operation reactor. Survivability testing will be performed with sub-scale systems and components in order to validate modeling and simulation. Operational doctrine and training concepts will be studied and developed in order to inform a future service transition. Specific applications and details are available at a higher classification level.  <b>FY 2024 Plans:</b> Complete necessary work to receive Department of Energy approval of the Final Safety Analysis Report (FSAR). Manufacture major reactor components and prepare to complete the reactor build and integration testing in early FY25. Complete fabrication of the HALEU TRISO particles and compacts for the reactor core and ship them to INL, where they will be placed in storage. The project will continue to support BWXT in seeking regulatory approval for U.S. highway transportation of the post-operation reactor. Pele will facilitate and support the development of requirements for future Service transition, and training of operators to support prototype testing at INL. Survivability testing will continue, with specific tests and details available at a higher classification level.  <b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The decrease of \$45.3 million supports a development cycle with the Pele reactor delivered in FY 2025.		57.000	130.500	85.200
<b>Title:</b> Point Break		28.600	39.700	23.900

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The change is consistent with the planned project phasing which is available at higher classification levels.</p>				
<p><b>Title:</b> Quiet Riot</p> <p><b>Description:</b> The Quiet Riot project will leverage previous investments to demonstrate the feasibility of providing Combatant Commanders additional options. Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification.</p> <p><b>FY 2023 Plans:</b> Quiet Riot is completed with FY 2023 funding.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The decrease is due to completion of the project.</p>		5.458	1.060	-
<p><b>Title:</b> Scornful Mustang</p> <p><b>Description:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2024 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Scornful Mustang enters the prototyping phase in FY 2024.</p>		-	-	5.400
<p><b>Title:</b> Sea Dragon</p>		0.884	-	-

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p><b>Description:</b> A cost-effective capability will be demonstrated by integrating an existing weapon system with an existing platform. Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification level. This project was completed in FY 2021, with FY 2022 funding required to support a small transition activity.</p>				
<p><b>Title:</b> Shawshank</p> <p><b>Description:</b> The Shawshank program provides Special Operations Forces new and enhanced capabilities. Specific applications and detailed plans are available at a higher classification level.</p> <p><b>FY 2023 Plans:</b> Shawshank is completed with FY 2023 funding.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> The decrease is consistent with the planned project completion.</p>		32.300	9.250	-
<p><b>Title:</b> Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR)</p> <p><b>Description:</b> Each year, 3.2% of SCO's extramural R&amp;D budget is transferred to the Department's SBIR program to fund small businesses through the SBIR program. An additional 0.45% of SCO's extramural R&amp;D budget is transferred for the STTR program. This project is a placeholder for the budget prior to transfer, based upon SCO's estimated share of extramural research and development. FY 2022 was already reduced to transfer 20.964 million to the SBIR/STTR programs.</p> <p><b>FY 2023 Plans:</b> Estimated transfer based upon planned extramural research and development funding.</p> <p><b>FY 2024 Plans:</b> Estimated transfer based upon planned extramural research and development funding.</p> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> Change reflects change in planned extramural research and development funding</p>		0.000	31.757	30.100
<p><b>Title:</b> Wildcat</p> <p><b>Description:</b> The Wildcat project will demonstrate the feasibility and operational utility of enhanced weapon capability. Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification. This project was completed in FY 2021, with a final activity completed with FY 2022 funding.</p>		1.000	-	-
<b>Accomplishments/Planned Programs Subtotals</b>		693.117	1,087.555	1,085.826

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		<b>FY 2022</b>	<b>FY 2023</b>
<b>Congressional Add:</b> Pele Mobile Nuclear Microreactor <b>FY 2022 Accomplishments:</b> FY 2022 Accomplishments are shown under Project Pele above. <b>FY 2023 Plans:</b> FY 2023 Plans are shown under Project Pele above.		60.000	17.000
<b>Congressional Add:</b> Pele Second Source <b>FY 2023 Plans:</b> Modify and develop design of a second micro nuclear reactor able to generate 1-5 MW of electric power meeting safety, legal, and regulatory requirements for military applications. This reactor will be designed to be complementary to the Pele reactor whose fabrication is already underway, with greater power levels and lower costs per unit energy sought, in exchange for decreased mobility.		-	20.000
<b>Congressional Add:</b> Seaman's Eye <b>FY 2022 Accomplishments:</b> Seaman's Eye is developing a prototype of an affordable system to assess the wave and wind environment for an unmanned surface vessel (USV) platform using a fusion of passive sensors, physics-based modeling, and artificial intelligence. The system will support autonomous mission and navigation planning and will provide distributed sensing of the ocean environment to remote users. <b>FY 2023 Plans:</b> Seaman's Eye will develop new projects to support autonomous mission and navigation planning .		3.000	8.000
<b>Congressional Add:</b> Service Tactical Signal Intelligence Upgrades <b>FY 2023 Plans:</b> Due to the classified nature of this project, specific applications and details are available at a higher classification level.		-	10.000
<b>Congressional Add:</b> LIDAR C-UAS automated target Recognition <b>FY 2023 Plans:</b> Under development		-	5.000
<b>Congressional Adds Subtotals</b>		63.000	60.000
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b> N/A			

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Office of the Secretary Of Defense** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>
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<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Athena	Various	Various : Various	-	-	-	-	-	6.000	-	-	-	6.000	39.000	45.000	-
Aurora	Various	Various : Various	35.511	17.589	-	-	-	-	-	-	-	-	0.000	53.100	-
Avatar	Various	Various : Various	218.383	38.890	-	-	11.151	-	-	-	-	-	0.000	268.424	-
Bedlam	Various	Various : Various	-	-	-	-	10.000	-	-	-	-	15.500	10.500	36.000	-
Black Hole Sun	Various	Various : Various	-	-	-	-	-	8.200	-	-	-	8.200	43.300	51.500	-
Classified Projects	Various	Various : Various	420.690	350.686	-	-	583.671	-	-	-	-	599.030	Continuing	Continuing	-
Complete Pivot	Various	Various : Various	-	-	-	-	2.830	-	-	-	-	-	0.000	2.830	-
Eclipse	Various	Various : Various	41.041	20.800	-	-	11.500	-	-	-	-	-	0.000	73.341	-
Emerging Opportunities	Various	Various : Various	-	-	-	-	11.400	-	-	-	-	11.500	Continuing	Continuing	-
Equinox	Various	Various : Various	-	-	-	-	-	8.800	-	-	-	8.800	44.300	53.100	-
Galaxian	Various	Various : Various	-	-	-	-	11.100	-	-	-	-	15.400	9.500	36.000	-
Ghost Fleet	Various	Various : Various	373.344	0.466	-	-	-	-	-	-	-	-	0.000	373.810	-
Gollum	Various	Various : Various	-	-	-	-	-	4.300	-	-	-	4.300	44.800	49.100	-
Hoover	Various	Various : Various	234.873	27.030	-	-	12.500	-	-	-	-	-	0.000	274.403	-
Hurt Locker	Various	Various : Various	175.576	19.924	-	-	37.750	-	-	-	-	12.000	0.000	245.250	-
HGWS	Various	Various : Various	775.611	27.025	-	-	127.870	-	-	-	-	194.300	145.350	1,270.156	-
Pele	Various	Various : Various	133.000	117.000	-	-	147.500	-	-	-	-	85.200	125.000	607.700	-
Point Break	Various	Various : Various	-	28.600	-	-	39.700	-	-	-	-	23.900	0.000	92.200	-
Quiet Riot	Various	Various : Various	19.475	5.458	-	-	1.060	-	-	-	-	-	0.000	25.993	-
Scornful Mustang	Various	Various : Various	-	-	-	-	-	5.400	-	-	-	5.400	41.600	47.000	-
Sea Dragon	Various	Various : Various	747.282	0.884	-	-	-	-	-	-	-	-	0.000	748.166	-
Shawshank	Various	Various : Various	156.403	32.300	-	-	9.250	-	-	-	-	-	0.000	197.953	-
Wildcat	Various	Various : Various	144.092	1.000	-	-	-	-	-	-	-	-	0.000	145.092	-
Completed Projects	Various	Various : Various	2,365.382	-	-	-	-	-	-	-	-	-	Continuing	Continuing	-
Seaman's Eye	Various	Various : Various	-	3.000	-	-	8.000	-	-	-	-	-	0.000	11.000	-
Pele Second Source	Various	Various : Various	-	-	-	-	20.000	-	-	-	-	-	0.000	20.000	-
LIDAR C-UAS ATR	Various	Various : Various	-	-	-	-	5.000	-	-	-	-	-	0.000	5.000	-
<b>Subtotal</b>			5,840.663	690.652	-	-	1,050.282	-	-	-	-	989.530	Continuing	Continuing	N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>Athena</b>	
Product Development	
<b>Aurora</b>	
Product Development	
<b>Avatar</b>	
Product Development	
<b>Bedlam</b>	
Product Development	
<b>Black Hole Sun</b>	
Product Development	
<b>Classified Projects</b>	
Product Development	
<b>Complete Pivot</b>	
Product Development	
<b>Eclipse</b>	
Product Development	
<b>Equinox</b>	
Product Development	
<b>Galaxian</b>	
Product Development	
<b>Ghost Fleet</b>	
Product Development	
<b>Gollum</b>	
Product Development	

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>
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	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Hoover</b>																												
Product Development																												
<b>Hurt Locker</b>																												
Product Development																												
<b>Hypervelocity Gun Weapons System (HGWS)</b>																												
Product Development																												
<b>Pele</b>																												
Product Development																												
<b>Point Break</b>																												
Product Development																												
<b>Quiet Riot</b>																												
Product Development																												
<b>Scornful Mustang</b>																												
Product Development																												
<b>Sea Dragon</b>																												
Product Development																												
<b>Shawshank</b>																												
Product Development																												
<b>Wildcat</b>																												
Product Development																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Athena</b>				
Product Development	1	2024	4	2027
<b>Aurora</b>				
Product Development	1	2022	4	2023
<b>Avatar</b>				
Product Development	1	2022	4	2024
<b>Bedlam</b>				
Product Development	1	2023	4	2026
<b>Black Hole Sun</b>				
Product Development	1	2024	4	2027
<b>Classified Projects</b>				
Product Development	1	2022	4	2027
<b>Complete Pivot</b>				
Product Development	1	2022	4	2023
<b>Eclipse</b>				
Product Development	1	2022	4	2024
<b>Equinox</b>				
Product Development	1	2024	4	2027
<b>Galaxian</b>				
Product Development	1	2023	4	2026
<b>Ghost Fleet</b>				
Product Development	1	2022	4	2023

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	<b>Project (Number/Name)</b> 250 / <i>Advanced Innovative Technologies</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Gollum</i></b>				
Product Development	1	2024	4	2027
<b><i>Hoover</i></b>				
Product Development	1	2022	4	2023
<b><i>Hurt Locker</i></b>				
Product Development	1	2022	4	2025
<b><i>Hypervelocity Gun Weapons System (HGWS)</i></b>				
Product Development	1	2022	4	2026
<b><i>Pele</i></b>				
Product Development	1	2022	4	2026
<b><i>Point Break</i></b>				
Product Development	1	2022	4	2025
<b><i>Quiet Riot</i></b>				
Product Development	1	2022	4	2023
<b><i>Scornful Mustang</i></b>				
Product Development	1	2024	4	2027
<b><i>Sea Dragon</i></b>				
Product Development	1	2022	4	2023
<b><i>Shawshank</i></b>				
Product Development	1	2022	4	2024
<b><i>Wildcat</i></b>				
Product Development	1	2022	4	2023