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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604250D8Z I <i>Advanced Innovative Technologies</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	1,956.164	1,347.956	1,133.365	730.508	-	730.508	635.984	697.750	619.324	571.911	Continuing	Continuing
250: <i>Advanced Innovative Technologies</i>	1,956.164	1,324.569	1,106.365	699.908	-	699.908	608.984	684.250	605.824	571.911	Continuing	Continuing
295: <i>SCO Cyber Efforts</i>	0.000	23.387	27.000	30.600	-	30.600	27.000	13.500	13.500	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Strategic Capabilities Office (SCO) identifies, analyzes, demonstrates, and transitions game-changing applications of existing and near-term technology (and other U.S. Government capabilities) to shape and counter emerging threats. The SCO combines capability innovation with concepts of operation and information management to develop novel concepts 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. Program Change Summary (\$ in Millions)

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	1,387.539	1,312.735	818.285	-	818.285
Current President's Budget	1,347.956	1,133.365	730.508	-	730.508
Total Adjustments	-39.583	-179.370	-87.777	-	-87.777
• Congressional General Reductions	-	-	-	-	-
• Congressional Directed Reductions	-	-264.370	-	-	-
• Congressional Rescissions	-	-	-	-	-
• Congressional Adds	-	85.000	-	-	-
• Congressional Directed Transfers	-	-	-	-	-
• Reprogrammings	-10.137	-	-	-	-
• SBIR/STTR Transfer	-29.446	-	-	-	-
• Defense-Wide Review Adjustments	-	-	-249.300	-	-249.300
• Economic Assumption Reduction	-	-	-0.797	-	-0.797
• Cyber	-	-	19.000	-	19.000
• Classified (1)	-	-	20.000	-	20.000
• Classified (2)	-	-	130.000	-	130.000
• Fiscal Guidance Reduction	-	-	-6.680	-	-6.680

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

Project: 250: *Advanced Innovative Technologies*
Congressional Add: *Smarter Machine Learning*

FY 2019	FY 2020
22.500	14.500

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

Congressional Add: *Quartermaster Pathfinder*

Congressional Add: *Micro Nuclear Reactor Program*

Congressional Add Subtotals for Project: 250

Congressional Add Totals for all Projects

	FY 2019	FY 2020
	35.000	-
	-	63.000
	57.500	77.500
	57.500	77.500

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Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>				Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
250: <i>Advanced Innovative Technologies</i>	1,956.164	1,324.569	1,106.365	699.908	-	699.908	608.984	684.250	605.824	571.911	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Strategic Capabilities Office (SCO) identifies, analyzes, demonstrates, and transitions game-changing applications of existing and near-term technology (and other U.S. Government capabilities) to shape and counter emerging threats. The SCO combines capability innovation with concepts of operation and information management to develop novel concepts 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)

	FY 2019	FY 2020	FY 2021
Title: Advanced Navigation	16.568	-	-
Title: Alternate Strike	64.329	34.637	0.000
<p>Description: The Alternate Strike program demonstrates feasibility and utility of launching existing/modified weapons from existing launch platforms. This project will retire risks associated with cross platform integration to enable transition of new weapon/system combinations to Service partners. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete initial system design. <p>FY 2021 Plans:</p> <p>No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>The decrease of \$34.637 million from FY 2020 to FY 2021 is due to due to planned program completion</p>			
Title: Angel	0.000	95.000	220.000
<p>Description: Specific applications and detailed plans are available at a higher classification level. This program is a new start in FY 2020.</p> <p>FY 2020 Plans:</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
Specific applications and detailed plans are available at a higher classification level. This program is a new start in FY 2020. FY 2021 Plans: Specific applications and detailed plans are available at a higher classification level. FY 2020 to FY 2021 Increase/Decrease Statement: The increase from FY 2020 to FY 2021 is due to the program plan which is available at a higher classification level.				
Title: Aurora Description: The Aurora program provides mission planning and execution aids to support fleet operations. Specific applications and detailed plans are available at a higher classification level. FY 2020 Plans: <ul style="list-style-type: none"> • Complete final integrated architecture design • Develop decision aid model • Develop threat models • Test planning tools FY 2021 Plans: <ul style="list-style-type: none"> • Obtain authority to connect on proper network(s) • Obtain signed Technology Transition Agreement with resource and transition sponsor(s) • Complete intel analysis • Selection of threat models • Begin operationally relevant demonstrations FY 2020 to FY 2021 Increase/Decrease Statement: The increase of \$4.979 million from FY 2020 to FY 2021 is due to an increase in operational testing, design validation and accreditation of system on the appropriate network(s).		4.078	13.921	18.900
Title: Avatar Description: The Avatar program develops enhanced manned-unmanned capabilities. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level. FY 2020 Plans: <ul style="list-style-type: none"> • Continue open systems architecture refinement. • Continue autonomous behavior algorithm refinement • Continue mission and operational effectiveness analysis 		74.561	46.100	71.400

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> • Continue hardware in the loop testing of prototype manned-unmanned teaming capabilities to confirm design and functionality. • Continue flight demonstration of autonomy behaviors on platforms. • Initiate integration of payloads onto operational platforms. <p>FY 2021 Plans:</p> <ul style="list-style-type: none"> • Continue open systems architecture refinement. • Continue autonomous behavior algorithm refinement Continue mission and operational effectiveness analysis Continue hardware in the loop testing of prototype manned-unmanned teaming capabilities to confirm design and functionality. • Continue flight demonstration of autonomy behaviors on platforms. • Continue integration of payloads onto operational platforms. • Continue Pilot in the Loop simulation testing. • Initiate large scale Manned-Unmanned Teaming demonstration <p>FY 2020 to FY 2021 Increase/Decrease Statement: The increase of \$25.300 million from FY 2020 to FY 2021 is due to increased emphasis on manned-unmanned teaming demonstrations.</p>				
<p>Title: Breaker</p> <p>Description: The Breaker demonstration provides Combatant Commanders with long range effects against targets. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Conduct and complete test equipment upgrades and provide test support. • Conduct and complete system build and checkout and acceptance testing. • Conduct and complete prototype demonstration tests. <p>FY 2021 Plans: The decrease of \$44.534 million from FY 2020 to FY 2021 is due to program completion in 4Q2020.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Program is complete after FY 2020.</p>		28.440	44.534	0.000
<p>Title: Carnac</p> <p>Description: The Carnac project applies machine learning algorithms and techniques to existing sensors in order to reduce operator workload and data throughput requirements. Due to the nature of this project, specific applications and detailed plans are available at a higher classification.</p>		17.023	20.700	6.400

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Continue data collection activities. • Demonstrate application of machine learning algorithms. • Perform test & evaluation to determine technical and operational effectiveness. <p>FY 2021 Plans:</p> <ul style="list-style-type: none"> • Integration of machine learning algorithms • Conduct prototype demonstration tests <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$14.300 million from FY 2020 to FY 2021 is due to the completion of the major development activities for the program and the entry into the final integration and demonstration phase.</p>				
<p>Title: CD ATACMS Support</p> <p>Description: These funds support transition of CD ATACMS to the Army.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Support transition of CD ATACMS to the Army. • Initiate hardware/software development for integration into operational Army Command and Control framework. • Initiate program and system engineering activities required for fielded system. <p>FY 2021 Plans: No funds are requested in FY 2021</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$4.765 million from FY 2020 to FY 2021 is due to completion of program transition.</p>		15.000	4.765	0.000
<p>Title: Chaos</p> <p>Description: The Chaos program provides a novel capability to support ground operations. Specific applications and detailed plans are available at a higher classification level. The Chaos program is a new start in FY 2020.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete prototype design • Acquire and repurpose existing hardware <p>FY 2021 Plans:</p>		0.580	13.820	17.100

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> Refine hardware and software modifications based on initial field demonstration results; demonstrate additional capabilities at field sites. <p>FY 2020 to FY 2021 Increase/Decrease Statement: The increase of \$3.280 million from FY 2020 to FY 2021 is due to comprehensive hardware and software modifications/ development over the baseline system in response to lessons learned during FY 2020 field demonstrations.</p>				
<p>Title: Command and Control of the Information Environment (C2IE)</p> <p>Description: The Command and Control of the Information Environment (C2IE) project provides Combatant Commands, Services, Agencies, and Department of Defense leadership the ability to detect, monitor, understand, and act in the information environment. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p>		25.231	-	-
<p>Title: Contender</p> <p>Description: SCO will develop and demonstrate an operational prototype that will enable more capable weapons system. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> Complete prototype assemblies and system wide integration. Complete full scale operational testing. <p>FY 2021 Plans: No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$74.521 million from FY 2020 to FY 2021 is due to program transition to the Navy for the final year of prototype demonstrations.</p>		76.883	22.000	0.000
<p>Title: Eclipse</p> <p>Description: The Eclipse program accelerates the maturation and fielding of emerging disruptive technologies. Specific applications and detailed plans are available at a higher classification level. The Eclipse program is a new start in FY 2020.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> Complete prototype design Conduct initial test <p>FY 2021 Plans:</p>		3.297	15.000	30.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> • Continue analysis to define system characteristics and measures of effectiveness • Conduct integrated platform testing in multiple domains and modalities • Complete physical design evaluations and modifications <p>FY 2020 to FY 2021 Increase/Decrease Statement: The increase of \$15.000 million from FY 2020 to FY 2021 is due to an increase in operational testing, design validation and modification, and exploration of operational use in different modalities and domains.</p>				
Title: Enhanced Munitions		26.000	-	-
<p>Title: Fable</p> <p>Description: Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans: No funds were requested for this program in FY 2020.</p> <p>FY 2021 Plans: Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification level.</p>		0.000	0.000	130.000
Title: Ghost Fleet		99.543	156.600	0.000
<p>Description: SCO will develop and demonstrate fleet integrated, operational prototype unmanned maritime vehicles to fill existing mission requirements for Combatant Commanders. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete design for physical modifications of final platforms. • Conduct integration of Government Furnished Equipment. • Complete platform final alterations and sea worthiness validations. • Conduct sea-based experimentation demonstrations. <p>FY 2021 Plans:</p>				

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
Final capstone demonstrations will occur in FY 2021. Program has been phased to accommodate the delivery schedule and integration of a demonstration payload. Program is complete in FY 2021. FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$156.600 million from FY 2020 to FY 2021 is due to program completion.				
Title: Hypervelocity Gun Weapon System (HGWS) Description: Cost-effective, large magazine point defense will be demonstrated by closing the fire control loop between existing sensors and prototype projectiles launched from existing families of powder guns. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level. FY 2020 Plans: • Funding will be used to support the final live-fire demonstration. FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$2.975 million from FY 2020 to FY 2021 is due to program completion.		25.786	2.975	-
Title: Hoover Description: The Hoover project applies machine learning algorithms and techniques in order to reduce operator workload and data throughput requirements. Due to the nature of this project, specific applications and detailed plans are available at a higher classification. FY 2020 Plans: • Complete design development. • Continue integration activities. • Demonstrate machine learning algorithms in relevant environment. FY 2021 Plans: • Continued integration activities • Conduct prototype demonstration tests • Refinement of machine learning algorithms based on feedback during demonstrations FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$5.219 million from FY 2020 to FY 2021 is due to the completion of the acquisition of several major hardware components.		62.300	72.000	66.781
Title: Hornet's Nest		7.722	57.800	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>Description: The Hornet's Nest program will develop a multi-mission Unmanned Aerial Vehicle (UAV). Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Continue modeling and simulation of system. • Conduct system flight demonstration. <p>FY 2021 Plans:</p> <p>No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>Program ends in FY 2020.</p>				
<p>Title: Hurt Locker</p> <p>Description: 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.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Continue hardware and software system integration. • Complete hardware prototyping. • Conduct full HWIL/SWIL testing. • Conduct study to identify opportunities to rapidly expand system capabilities to support additional mission areas <p>FY 2021 Plans:</p> <ul style="list-style-type: none"> • Continue hardware and software system integration spirals. • Conduct system demonstrations to support final design spiral for service transition. • Develop detailed sensor and communication element designs to support prototype development for additional mission areas. <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>The increase of \$5.228 from FY 2020 to FY 2021 is to execute the follow-on design iteration specified in FY 2021 tasking. Additional details available at a higher classification level.</p>		69.761	21.772	27.000
<p>Title: Kingfisher</p>		24.900	25.000	-

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>Description: The Kingfisher project will leverage previous investments in maritime systems to demonstrate the feasibility and operational utility of naval weapons. Due to the nature of this project, specific applications and detailed plans are available at a higher classification.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete subscale and subcomponent test. • Complete detailed weapons design. • Conduct platform integration analysis. • Develop initial SW design and builds. <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$25.000 million from FY 2020 to FY 2021 is due to program termination as directed by the Defense-Wide review.</p>				
<p>Title: LiTE Saber</p> <p>Description: The LiTE Saber program will develop and demonstrate a ubiquitous 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</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Evaluate and assess design and systems engineering activities in support of system architecture, hardware design and platform integration requirements. • Initiate transition to Program of Record. • Continue open systems architecture refinement. • Continue analysis to define system characteristics and effectiveness. • Complete test plan and final capability demonstration. <p>FY 2021 Plans: No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$35.000 million from FY 2020 to FY 2021 is due to program termination pursuant to the Defense-Wide review.</p>		43.638	35.000	0.000
<p>Title: Maven</p> <p>Description: Leverage advanced commercial technologies to provide advantage to the warfighter in contested environments. Due to the nature of some of these projects, specific applications and detailed plans are available at a higher classification level.</p>		10.385	16.200	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Continue algorithm development for improved performance. • Perform test & evaluation to determine technical and operational effectiveness. <p>FY 2021 Plans: No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Program is complete after FY 2020.</p>				
<p>Title: Mission Support</p> <p>Description: These funds provide for building rent, physical security, travel, supplies and equipment, information technology, and contractor support (Systems Engineering and Technical Assistance (SETA)).</p> <p>FY 2020 Plans: These funds provide for building rent, physical security, travel, supplies and equipment, information technology, and contractor support (Systems Engineering and Technical Assistance (SETA)).</p> <p>FY 2021 Plans: These funds provide for building rent, physical security, travel, supplies and equipment, information technology, and contractor support (Systems Engineering and Technical Assistance (SETA)).</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$12.144 million from FY 2020 to FY 2021 is due to overall funding reduction to SCO's topline due to reduced number of programs.</p>		53.566	73.753	61.609
<p>Title: Motley Crew</p> <p>Description: The Motley Crew project will leverage near term technologies being developed to enable higher capability in weapons systems. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Continue refinement of algorithms. • Continue mission and operational effectiveness modeling and simulation. • Execute final demonstration of the system. <p>FY 2021 Plans:</p>		33.749	11.700	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
No funds are requested in FY 2021. FY 2020 to FY 2021 Increase/Decrease Statement: Program is complete after FY 2020.				
Title: Perdix Gen 7 Description: Develop next generation micro-UAV (unmanned air vehicle) with improved endurance and processing power to allow for multi-mission capabilities. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level. FY 2020 Plans: <ul style="list-style-type: none"> • Continue iterative flight testing of autonomous airborne capabilities. • Complete mission planning software. • Begin program of record transition activities. • Conduct final prototype flight demonstration in operationally representative environment. FY 2021 Plans: No funds are requested in FY 2021. FY 2020 to FY 2021 Increase/Decrease Statement: Program is complete after FY 2020.		15.351	4.800	0.000
Title: Quiet Riot Description: The Quiet Riot project will leverage previous investments to demonstrate the feasibility of providing Combatant Commanders additional options. Due to the nature of this project, specific applications and detailed plans are available at a higher classification. FY 2020 Plans: <ul style="list-style-type: none"> • Initiate system procurement and assembly. • Conduct subsystem testing. • Initiate full scale test planning and coordination. FY 2021 Plans: <ul style="list-style-type: none"> • Finalize system procurement and assembly. • Conduct development for improved performance. 		12.005	7.725	2.285

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<ul style="list-style-type: none"> Perform test & evaluation to determine technical and operational effectiveness. <p>FY 2020 to FY 2021 Increase/Decrease Statement: The decrease of \$5.440 million from FY 2020 to FY 2021 is due to anticipated completion of test planning and completion of feasibility assessments for certain program sub-elements. Further information available on higher classification system.</p>				
<p>Title: Sea Dragon</p> <p>Description: A cost-effective capability will be demonstrated by integrating an existing weapon system with an existing platform. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> Complete testing in relevant environments. Complete technical data package for system installation. <p>FY 2021 Plans: No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: The program is complete after FY 2020.</p>		234.577	41.749	0.000
<p>Title: Sea Mob</p>		0.941	-	-
<p>Title: Sea Stalker</p> <p>Description: The Sea Stalker will leverage existing low-cost, persistent maritime platforms to offer Combatant Commanders immediate options. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> Conduct secondary payload integrated test. Conduct Final Demonstration <p>FY 2021 Plans: No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Program is complete after FY 2020.</p>		13.639	8.200	0.000
<p>Title: Serenity</p>		16.669	7.475	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>Description: The Serenity project will leverage existing technologies to analyze and demonstrate a prototype solution to ensure survivability of U.S. assets. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Environment and operability testing. • System Integration. • Build systems for FY 2021 installation. <p>FY 2021 Plans:</p> <p>No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>Program is complete after FY 2020.</p>			
<p>Title: Shawshank</p> <p>Description: The Shawshank program provides Special Operations Forces new and enhanced capabilities. Specific applications and detailed plans are available at a higher classification level. The Shawshank program is a new start in FY 2020</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete engineering feasibility • Complete prototype designs • Build and test models <p>FY 2021 Plans:</p> <ul style="list-style-type: none"> • Continue engineering feasibility assessments • Model testing and refinement • Acquire/build prototypes <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>The decrease of \$63.372 million from FY 2020 to FY 2021 is due to anticipated completion of material purchases for certain program sub-elements and completion of engineering feasibility assessments for certain program sub-elements. Further information available on higher classified system.</p>	10.362	108.810	45.438
<p>Title: StormSystem</p>	9.000	4.320	2.995

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense		Date: February 2020		
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>Description: StormSystem will leverage existing capabilities to develop a suite of tools that disrupts the adversary cyber capabilities. Due to the nature of these projects, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <ul style="list-style-type: none"> • Complete component integration efforts of component tools into systems. • Establish operational beta test capability at transition partner facilities • Analyze system interoperability at operational locations. • Integrate additional government systems <p>FY 2021 Plans:</p> <p>Funds are requested to complete integration of components and test the prototype at the transition location.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>The decrease of \$1.325 million from FY 2020 to FY 2021 is due to planned spiral development of the program. Focus for FY 2020 infrastructure and integration efforts of disparate components shifts to full integration, prototype testing and transition in FY 2021. FY 2021 will complete the testing of outlier components, and primarily focus on the analysis of the system capability and interoperability at the transition partner's location.</p>				
<p>Title: Strike-X</p> <p>Description: The Strike-X project provides alternatives to deliver near-term innovative strike capabilities to Combatant Commanders. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p>FY 2020 Plans:</p> <p>No funds were requested in FY 2020.</p> <p>FY 2021 Plans:</p> <p>No funds are requested in FY 2021.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement:</p> <p>Program is complete after FY 2019. No funds are requested in FY 2021.</p>		37.891	0.000	0.000
<p>Title: Third Eye</p> <p>Description: Third Eye is a data architecture that leverages existing and emerging sensors. Due to the nature of this project, specific applications and detailed plans are available at a higher classification level.</p>		32.515	5.796	-

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense		Date: February 2020
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p><i>FY 2020 Plans:</i></p> <ul style="list-style-type: none"> • Continue to update capability based on operator feedback. • Develop limited capability to deploy the target production capability. • Update algorithms and validate through demonstration. <p><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> The decrease of \$5.796 million from FY 2020 to FY 2021 is due to program completion.</p>			
<p><i>Title:</i> Vanguard</p> <p><i>Description:</i> The Vanguard project will provide a capability to provide situational awareness across the battle field. Due to the classified nature of this project, specific applications and detailed plans are available at a higher classification level.</p> <p><i>FY 2020 Plans:</i></p> <ul style="list-style-type: none"> • Complete full scale test planning and safety coordination. • Continue to analyze system performance and refinement. • Continue full-scale system test. <p><i>FY 2021 Plans:</i> No funds are requested in FY 2021.</p> <p><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> FY 2020 is the last year of funding for this program.</p>	8.051	11.713	0.000
<p><i>Title:</i> Wildcat</p> <p><i>Description:</i> The Wildcat project will demonstrate the feasibility and operational utility of enhanced weapon capability. Due to the nature of this project, specific applications and detailed plans are available at a higher classification.</p> <p><i>FY 2020 Plans:</i></p> <ul style="list-style-type: none"> • Continue testing of components at high setback. • Continue testing component integration. • Conduct initial integration testing. <p><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> The decrease of \$45.000 million from FY 2020 to FY 2021 is due to program termination pursuant to the Defense-Wide review.</p>	92.728	45.000	-
Accomplishments/Planned Programs Subtotals	1,267.069	1,028.865	699.908

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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	FY 2019	FY 2020
Congressional Add: Smarter Machine Learning <i>FY 2019 Accomplishments:</i> FY 2019 Congressional add. <i>FY 2020 Plans:</i> FY 2020 Congressional add.	22.500	14.500
Congressional Add: Quartermaster Pathfinder <i>FY 2019 Accomplishments:</i> FY 2019 Congressional add.	35.000	-
Congressional Add: Micro Nuclear Reactor Program <i>FY 2020 Plans:</i> FY 2020 Congressional add.	-	63.000
Congressional Adds Subtotals	57.500	77.500

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

N/A

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Advanced Navigation	C/CPIF	Various : Various	-	16.568	Oct 2018	-		-		-		-	Continuing	Continuing	-
Alternate Strike	MIPR	Various : Various	369.538	64.329	Mar 2019	34.637	Aug 2020	-		-		-	Continuing	Continuing	-
Angel	C/TBD	Various : Various	-	-		95.000	Apr 2020	220.000	Dec 2020	-		220.000	Continuing	Continuing	-
Aurora	C/TBD	Various : Various	-	4.078	Jun 2019	13.921	Dec 2019	18.900	Dec 2020	-		18.900	Continuing	Continuing	-
Avatar	MIPR	Various : Various	24.395	74.561	Apr 2019	46.100	Dec 2019	71.400	Dec 2020	-		71.400	Continuing	Continuing	-
Breaker	C/CPFF	Various : Various	46.626	28.440	Jan 2019	44.534	Mar 2020	-		-		-	Continuing	Continuing	-
Carnac	MIPR	Various : Various	-	17.023	Jan 2019	20.700	Jan 2020	6.400	Jan 2021	-		6.400	Continuing	Continuing	-
CD ATACMS Support	C/Various	Various : Various	-	15.000	Dec 2018	4.765	Jan 2020	-		-		-	Continuing	Continuing	-
Chaos	C/TBD	Various : Various	-	0.580	Aug 2019	13.820	Dec 2019	17.100	Dec 2020	-		17.100	Continuing	Continuing	-
C2IE	MIPR	Various : Various	110.687	25.231	Dec 2019	-		-		-		-	Continuing	Continuing	-
Contender	MIPR	Various : Various	103.466	76.883	May 2019	22.000	Nov 2019	-		-		-	Continuing	Continuing	-
Eclipse	C/TBD	Various : Various	-	3.297	Dec 2019	15.000	Dec 2019	30.000	Apr 2021	-		30.000	Continuing	Continuing	-
Enhanced Munitions	C/CPIF	Various : Various	-	26.000	Jan 2019	-		-		-		-	Continuing	Continuing	-
Fable	C/TBD	Various : Various	-	-		-		130.000	Dec 2020	-		130.000	Continuing	Continuing	-
Ghost Fleet	C/Various	Various : Various	131.151	99.543	May 2019	156.600	Nov 2019	-		-		-	Continuing	Continuing	-
HGWS	C/TBD	Various : Various	-	25.786	Nov 2019	2.975	Mar 2020	-		-		-	Continuing	Continuing	-
Hoover	MIPR	Various : Various	46.000	62.300	Apr 2019	72.000	Jan 2020	66.781	Nov 2020	-		66.781	Continuing	Continuing	-
Hornet's Nest	MIPR	Various : Various	23.419	7.722	Dec 2019	57.800	Jan 2020	-		-		-	Continuing	Continuing	-
Hurt Locker	MIPR	Various : Various	56.200	69.761	Jan 2019	21.772	Jan 2020	27.000	Dec 2020	-		27.000	Continuing	Continuing	-
Kingfisher	MIPR	Various : Various	-	24.900	Jan 2019	25.000	Sep 2020	-		-		-	Continuing	Continuing	-
LiTE Saber	Various	Various : Various	63.428	43.638	Jul 2019	35.000	Feb 2020	-		-		-	Continuing	Continuing	-
Maven	MIPR	Various, TBD : Various	15.613	10.385	Apr 2019	16.200	Mar 2020	-		-		-	Continuing	Continuing	-
Micro Nuclear Reactor Program	C/TBD	Various : Various	-	-		63.000	Mar 2020	-		-		-	Continuing	Continuing	-
Motley Crew	MIPR	Various : Various	31.226	33.749	Jan 2019	11.700	Jan 2020	-		-		-	Continuing	Continuing	-
Perdix Gen 7	FFRDC	Various : Various	8.431	15.351	May 2019	4.800	Jan 2020	-		-		-	Continuing	Continuing	-
Program Management	C/TBD	Various : Various	-	53.566	Oct 2018	73.753	Mar 2020	61.609	Dec 2020	-		61.609	Continuing	Continuing	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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			
Quiet Riot	MIPR	Various : Various	-	12.005	Sep 2019	7.725	Jul 2020	2.285	Dec 2020	-		2.285	Continuing	Continuing	-
Quartermaster Pathfinder	C/TBD	Various : Various	-	35.000	Sep 2019	-		-		-		-	Continuing	Continuing	-
Sea Dragon	Various	Various : Various	509.608	234.577	Jan 2019	41.749	Jan 2020	-		-		-	Continuing	Continuing	-
Sea Stalker	MIPR	Various : Various	69.312	13.639	Apr 2019	8.200	Jan 2020	-		-		-	Continuing	Continuing	-
Sea Mob	C/CPIF	Various : Various	-	0.941	Oct 2018	-		-		-		-	Continuing	Continuing	-
Serenity	Various	Various : Various	17.565	16.669	May 2019	7.475	Feb 2020	-		-		-	Continuing	Continuing	-
Shawshank	C/TBD	Various : Various	-	10.362	Feb 2019	108.810	Mar 2020	45.438	Mar 2021	-		45.438	Continuing	Continuing	-
StormSystem	Various	Various, TBD : Various	6.831	9.000	Mar 2019	4.320	Oct 2019	2.995	Oct 2020	-		2.995	Continuing	Continuing	-
Smarter Machine Learning	SS/TBD	Various : Various	24.952	22.500	Mar 2019	14.500	Jan 2020	-		-		-	Continuing	Continuing	-
Strike-X	MIPR	Various : Various	220.826	37.891	Jun 2019	-		-		-		-	Continuing	Continuing	-
Third Eye	MIPR	Various, TBD : Various	68.596	32.515	May 2019	5.796	Mar 2020	-		-		-	Continuing	Continuing	-
Vanguard	C/Various	Various, TBD : Various	8.294	8.051	Feb 2019	11.713	Feb 2020	-		-		-	Continuing	Continuing	-
Wildcat	MIPR	Various, TBD : Various	-	92.728	Feb 2019	45.000	Jan 2020	-		-		-	Continuing	Continuing	-
Subtotal			1,956.164	1,324.569		1,106.365		699.908		-		699.908	Continuing	Continuing	N/A

	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,956.164	1,324.569	1,106.365	699.908	-	699.908	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Hurt Locker																												
Product Development																												
Kingfisher																												
Product Development																												
LiTE Saber																												
Product Development																												
Maven																												
Product Development																												
Motley Crew																												
Product Development																												
Perdix Gen 7																												
Product Development																												
Quiet Riot																												
Product Development																												
Sea Dragon																												
Product Development																												
Sea Stalker																												
Product Development																												
Serenity																												
Product Development																												
Shawshank																												
Product Development																												
StormSystem																												
Product Development																												
Strike X																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Product Development																												
<i>Third Eye</i>																												
Product Development																												
<i>Vanguard</i>																												
Product Development																												
<i>Wildcat</i>																												
Product Development																												

	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
<i>Alternative Strike</i>																												
Product Development																												
<i>Aurora</i>																												
Product Development																												
<i>Avatar</i>																												
Product Development																												
<i>Breaker</i>																												
Product Development																												
<i>Carnac</i>																												
Product Development																												
<i>Chaos</i>																												
Product Development																												
<i>Contender</i>																												
Product Development																												
<i>C2IE</i>																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
Product Development																												
<i>Eclipse</i>																												
Product Development																												
<i>Ghost Fleet</i>																												
Product Development																												
<i>Hoover</i>																												
Product Development																												
<i>Hornet's Nest</i>																												
Product Development																												
<i>Hurt Locker</i>																												
Product Development																												
<i>Kingfisher</i>																												
Product Development																												
<i>LiTE Saber</i>																												
Product Development																												
<i>Maven</i>																												
Product Development																												
<i>Motley Crew</i>																												
Product Development																												
<i>Perdix Gen 7</i>																												
Product Development																												
<i>Quiet Riot</i>																												
Product Development																												
<i>Sea Dragon</i>																												
Product Development																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025					
	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		
Sea Stalker																														
Product Development																														
Serenity																														
Product Development																														
Shawshank																														
Product Development																														
StormSystem																														
Product Development																														
Strike X																														
Product Development																														
Third Eye																														
Product Development																														
Vanguard																														
Product Development																														
Wildcat																														
Product Development																														

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Office of the Secretary Of Defense		Date: February 2020
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Alternative Strike				
Product Development	1	2017	4	2020
Aurora				
Product Development	1	2020	4	2022
Avatar				
Product Development	1	2018	4	2022
Breaker				
Product Development	1	2018	4	2020
Carnac				
Product Development	1	2019	4	2021
Chaos				
Product Development	1	2020	4	2022
Contender				
Product Development	1	2017	4	2020
C2IE				
Product Development	4	2017	4	2018
Eclipse				
Product Development	1	2020	4	2022
Ghost Fleet				
Product Development	1	2018	4	2020
Hoover				
Product Development	1	2018	4	2022

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Hornet's Nest</i>				
Product Development	1	2018	4	2020
<i>Hurt Locker</i>				
Product Development	2	2018	4	2020
<i>Kingfisher</i>				
Product Development	1	2019	4	2020
<i>LiTE Saber</i>				
Product Development	1	2017	3	2020
<i>Maven</i>				
Product Development	1	2018	3	2020
<i>Motley Crew</i>				
Product Development	1	2018	4	2020
<i>Perdix Gen 7</i>				
Product Development	4	2017	4	2020
<i>Quiet Riot</i>				
Product Development	1	2019	4	2022
<i>Sea Dragon</i>				
Product Development	1	2017	4	2020
<i>Sea Stalker</i>				
Product Development	1	2017	4	2020
<i>Serenity</i>				
Product Development	1	2017	4	2020
<i>Shawshank</i>				
Product Development	1	2019	4	2023
<i>StormSystem</i>				

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 250 / <i>Advanced Innovative Technologies</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Product Development	2	2018	4	2021
<i>Strike X</i>				
Product Development	2	2017	1	2020
<i>Third Eye</i>				
Product Development	2	2017	3	2019
<i>Vanguard</i>				
Product Development	1	2018	3	2020
<i>Wildcat</i>				
Product Development	1	2019	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 295 / <i>SCO Cyber Efforts</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
295: <i>SCO Cyber Efforts</i>	0.000	23.387	27.000	30.600	-	30.600	27.000	13.500	13.500	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Strategic Capabilities Office (SCO) identifies, analyzes, demonstrates, and transitions game-changing applications of existing and near-term technology (and other U.S. Government capabilities) to shape and counter emerging threats. The SCO combines capability innovation with concepts of operation and information management to develop novel concepts 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)

	FY 2019	FY 2020	FY 2021
Title: Ike	23.387	27.000	30.600
Description: The Ike program provides a joint cyber platform. Specific applications and detailed plans are available at a higher classification level. The Ike program was a new start in FY 2019.			
FY 2020 Plans:			
<ul style="list-style-type: none"> • Complete architecture design • Integrate collection data • Build and test analysis models • Mature mission management and program integration Build and test analysis models 			
FY 2021 Plans:			
<ul style="list-style-type: none"> • Mature training modules and CONOPS • Integrate into current Program of Record Deploy to Cyber Mission Force 			
FY 2020 to FY 2021 Increase/Decrease Statement:			
The increase of \$3.600 million from FY 2020 to FY 2021 is to continue prototyping at an increased scale. The funds will be used to mature Ike from a development, security, operations state to a Program of Record by FY 2022.			
Accomplishments/Planned Programs Subtotals	23.387	27.000	30.600

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

N/A

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Office of the Secretary Of Defense		Date: February 2020
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 295 / <i>SCO Cyber Efforts</i>

D. Acquisition Strategy
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense		Date: February 2020
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 295 / <i>SCO Cyber Efforts</i>

FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
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

<i>Product Development</i>	
Ike	

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Office of the Secretary Of Defense		Date: February 2020
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604250D8Z / <i>Advanced Innovative Technologies</i>	Project (Number/Name) 295 / <i>SCO Cyber Efforts</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Product Development</i>				
Ike	1	2020	4	2024