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

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	0.000	25.144	29.815	0.000	29.815	28.904	29.502	30.491	31.089	Continuing	Continuing
674567: <i>Modeling and Simulation Foundations - MSF</i>	-	0.000	7.637	12.197	0.000	12.197	13.951	14.404	14.793	15.080	Continuing	Continuing
675135: <i>Warfighter Readiness</i>	-	0.000	17.507	17.618	0.000	17.618	14.953	15.098	15.698	16.009	Continuing	Continuing

**Note**

In FY2024, PE 0207601F, USAF Modeling and Simulation, Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness, efforts were transferred to PE 0801380F, AF LVC Operational Training (LVC-OT), Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness.

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

Modeling and Simulation support to our Warfighter's Readiness is a United States Air Force (USAF) corporate imperative to ensure air, space, cyberspace training, and mission rehearsal activities are supported with realistic, interoperable, and readily available tools, data, services and environments. Warfighter readiness supports Department of Defense (DoD) Training Transformation (T2) and Joint National Training Capability (JNTC) along with the USAF priorities and core functions. Activities also include studies and analysis to support both current program planning, execution, and future program planning.

It includes several complimentary programs, initiatives and areas for investment: Warfighter and Joint Training Integration supports the Chief of Staff of the Air Force (CSAF) directed Live, Virtual, and Constructive (LVC) integration efforts and is a critical piece to the USAF's implementation of the Strategic Plan for Transforming DoD Training. The goal of LVC training and mission rehearsal is to prepare our warfighters for the full range of military operations and maintain the combat readiness levels required by the Combatant Commanders. This can only be accomplished by training and rehearsing in realistic operational environments. These environments include live training ranges and virtual simulators enhanced with constructive entities. Specific training and mission rehearsal events can include some or all of these simultaneously; making the ability to integrate LVC capabilities a necessity.

The Air, Space, and Cyberspace Constructive Environment (ASCCE) is the USAF's authoritative federation of constructive training models and tools realistically representing the tactical and operational capabilities the USAF brings to the joint fight. Project 675135, Warfighter Readiness, provides for the Command & Control Simulation Environment for Training (C2SET) development effort, which is modernizing the authoritative representation of AF and joint theater-level air and space power for training Air and Space Operations Center (AOC) personnel and Combatant Commanders' battle staffs. The primary models in development for C2SET are based on the AF common Advanced Framework for Simulation, Integration, and Modeling (AFSIM). C2SET will replace the current Air Force Modeling and Simulation Training Toolkit (AFMSTT).

The program element also contains Project 674567, M&S Foundations, the Air, Space and Cyberspace Collaborative Environment - Information Operations Suite (ACE-IOS). ACE-IOS is a federation of constructive models for the authoritative representation of Air Force Intelligence, Surveillance, and Reconnaissance (ISR), Electronic Warfare (EW), Information Operations (IO), and Cyber Effects on AF combat operations. The program supports multifaceted training and mission rehearsal for the Air

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / <i>AF LVC Operational Training (LVC-OT)</i>
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Force at multiple training tiers, Joint Task Force commanders, and Combatant Commanders' battle staffs covering training from the AF schoolhouse through the Air Combatant Commander staff via Joint and Service exercises, tests, and experiments. This program also supports the DoD Training Transformation Initiative.

This program is part of the overarching Kessel Run portfolio and is leveraging the All Domain Common Platform (ADCP). The ADCP provides an extensible cloud based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23, 0.0M was expended for civilian pay expenses in this program element and in FY24, \$1.743M is forecasted for civilian pay expenses.

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	0.000	25.144	26.921	0.000	26.921
Current President's Budget	0.000	25.144	29.815	0.000	29.815
Total Adjustments	0.000	0.000	2.894	0.000	2.894
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	2.894	0.000	2.894

**Change Summary Explanation**

The FY25 total adjustment accounts for increased projected support required in ACEIOS. Current follow-on contract requirements in ACEIOS are expected to ramp up due to increased development in support of exercises in FY25.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 3600 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)				<b>Project (Number/Name)</b> 674567 / Modeling and Simulation Foundations - MSF			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
674567: <i>Modeling and Simulation Foundations - MSF</i>	-	0.000	7.637	12.197	0.000	12.197	13.951	14.404	14.793	15.080	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

In FY2024, PE 0207601F, USAF Modeling and Simulation, Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness, efforts were transferred to PE 0801380F, AF LVC Operational Training (LVC-OT), Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness. This is not a new start.

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

Modeling and Simulation Foundations (MSF) focuses on integrating foundational capabilities needed to improve the usefulness of Modeling and Simulation (M&S) capabilities derived from the Warfighter Readiness (WR) thrust. The efforts supporting MSF include both concept exploration and development. MSF provides the capability to rapidly and efficiently create realistic and accurate synthetic operational battlespaces to support the full spectrum of activities associated with concept development to acquisition and testing through composite training and mission rehearsals.

ACE-IOS project is a federation of constructive models for the authoritative representation of Air Force ISR and Information Operations. ACE-IOS provides simulation modeling and stimulation systems, software, and contract support in support of ISR/Cyber training from the AF ISR Schoolhouse to Joint mission rehearsal for the Air Force, Joint Task Force commanders, and Combatant Commands battle staffs during Joint and Service exercises, tests and experiments.

ACE-IOS provides ISR and Cyber live-virtual-constructive (LVC) environments to support the Joint training of offensive and defensive ISR/Cyber capabilities for the AF, DoD, select Coalition, and national agencies. AF Joint ISR operational training is conducted by the AF Simulation centers worldwide using the ACE-IOS M&S models and stimulations with specific extensions in support of the Air Force Cyber Simulation Center (CSC) and the AF ISR schoolhouse. Overall development and integration efforts of the ACE-IOS program are imperative to ensure that air, space, and cyberspace training and mission rehearsal activities are supported with realistic, interoperable, and readily available tools, data, and services. Specific ACE-IOS capability enhancements are built in direct support of the Distributed Mission Operations Center for Cyberspace (DMOC-C) and the AF ISR schoolhouse. The specific cyber effects software extensions for DMOC-C are in support of the training and exercising of tactical cyber mission forces (CMF), cyber service providers (CSP), and operational-level command and control, intelligence, and cyber planners and operators supporting global operations.

LVC environments today are used as one of the most cost effective and practical means to meet mission needs. These efforts enable more efficient delivery of effective capabilities to the warfighter while reducing the time and resources required for design, development, test, and evaluation, maintainability and sustainment.

Authorization and Accreditation and Networthiness is maintained via the Information Technology (IT) systems Risk Management Framework (RMF) for seven classified ACE-IOS configuration and two supported cross domain solutions, which includes codes and ruleset development, testing, and fielding, and meets AF Joint Worldwide

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<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 674567 / Modeling and Simulation Foundations - MSF
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Intelligence Communications Systems (JWICS), AF Secret Protocol Router Network (SIPRNET) and AF and Joint Staff training network net worthiness standards and evaluation.

This program also supports the DoD Transformation Initiative.

This program is part of the overarching Kessel Run portfolio and is assessing the extent to which All Domain Common Platform (ADCP) will be leveraged. The ADCP provides an extensible cloud based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23, 0.000M was expended for civilian pay expenses in this program element and in FY24 0.290M is forecasted for civilian pay expenses in this program element.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p><b>Title:</b> Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS)</p> <p><b>Description:</b> Provides the authoritative representation of the AF ACE-IOS program. ACE- IOS is comprised of models that support training and mission rehearsal for the Air Force, Joint Task Force commanders, and Combatant Commander battle staffs during Joint and Service exercises and experimentations. Also supports shared ACE- IOS development in support of the AF ISR schoolhouse and DMOC-C extensions.</p> <p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>-Continue to deliver ACE-IOS version &amp; deployment</li> <li>-Continue ACE-IOS agile development</li> <li>-Continue integration with C2SET program and M&amp;S support to Kessel Run common development</li> </ul> <p><b>FY 2025 Base Plans:</b></p> <ul style="list-style-type: none"> <li>-Will continue to deliver ACE-IOS version &amp; deployment</li> <li>-Will continue ACE-IOS agile development</li> <li>-Will continue integration with C2SET program and M&amp;S support to Kessel Run common development</li> </ul> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b></p>	0.000	7.637	12.197	-	12.197

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Air Force	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 674567 / Modeling and Simulation Foundations - MSF
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Funding increased to an increase in the number of required Air Constructive Environment - Information Operations Suite (ACEIOS) mission cases beyond the original plan. This will also fund development for interoperability with C2SET.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	7.637	12.197	-	12.197

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• OPAF 03 833140: <i>Strategic Command And Control</i>	30.738	9.991	5.426	-	5.426	1.859	1.903	28.647	29.215	0.000	107.779
• RDTE 07 0303248F: <i>AF Command and Control (C2) Common Platform</i>	46.540	71.296	88.470	-	88.470	87.400	92.399	88.645	90.402	0.000	565.152

**Remarks**

**D. Acquisition Strategy**  
The Acquisition goals of the Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS) are achieved through incremental development of the project's M&S activities; all contracts are awarded using full and open competition. In order to meet evolving M&S technology and requirements and its modernization effort, the ACE-IOS program will leverage commercial best practices for agile software development.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
3600 / 7				PE 0801380F / AF LVC Operational Training (LVC-OT)				674567 / Modeling and Simulation Foundations - MSF							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Air, Space and Cyberspace Constructive Environment - Information Operations Suite (ACE-IOS)(1)	TBD	TBD : TBD	-	-		6.519	Dec 2023	11.387	Dec 2024	-		11.387	Continuing	Continuing	-
<b>Subtotal</b>			-	-		6.519		11.387		-		11.387	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
ACE-IOS Civilian Direct Cite Authorizations for Product Development	Allot	TBD : TBD	-	-		0.290	Oct 2023	0.290	Oct 2024	0.000	Oct 2024	0.290	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.290		0.290		0.000		0.290	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Program Management Administration	C/Variou	AFLCMC : Hanscom AFB, MA	-	-		0.828	Oct 2023	0.520	Oct 2024	-		0.520	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.828		0.520		-		0.520	Continuing	Continuing	N/A
<b>Project Cost Totals</b>			-	-		7.637		12.197		0.000		12.197	Continuing	Continuing	N/A
<b>Remarks</b>															

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Air Force</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 674567 / Modeling and Simulation Foundations - MSF

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
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><i>Air, Space and Cyberspace Constructive Environment - Information Operations Suite(ACE-IOS)</i></b>	
- ACE-IOS v5.0.24	
- ACE-IOS v5.0.25	
- ACE-IOS v5.0.26	
- ACE-IOS v5.0.27	
- ACE-IOS v5.0.28	
- ACE-IOS v5.0.29	
-ACE-IOS v6.0.30	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 674567 / Modeling and Simulation Foundations - MSF

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Air, Space and Cyberspace Constructive Environment - Information Operations Suite(ACE-IOS)</i></b>				
- ACE-IOS v5.0.24	1	2023	4	2023
- ACE-IOS v5.0.25	1	2024	4	2024
- ACE-IOS v5.0.26	1	2025	4	2025
- ACE-IOS v5.0.27	1	2026	4	2026
- ACE-IOS v5.0.28	1	2027	4	2027
- ACE-IOS v5.0.29	1	2028	4	2028
-ACE-IOS v6.0.30	1	2029	4	2029

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<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 675135 / Warfighter Readiness
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
675135: <i>Warfighter Readiness</i>	-	0.000	17.507	17.618	0.000	17.618	14.953	15.098	15.698	16.009	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

In FY2024, PE 0207601F, USAF Modeling and Simulation, Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness, efforts were transferred to PE 0801380F, AF LVC Operational Training (LVC-OT), Project 674567, M&S Foundations, and Project 675135, Warfighter Readiness, to meet higher priority AF Operational Readiness and Training efficiencies.

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

Modeling and Simulation support to our Warfighter's Readiness is a United States Air Force (USAF) corporate imperative to ensure air, space, cyberspace training, and mission rehearsal activities are supported with realistic, interoperable, and readily available, tools, data, services and environments. Warfighter Readiness supports Department of Defense (DoD) Training Transformation (T2) and Joint National Training Capability (JNTC) along with the USAF priorities and core functions. Activities also include studies and analysis to support both current program planning, execution, and future program planning.

It includes several complimentary programs, initiatives and areas for investment: Warfighter and Joint Training Integration supports the Chief of Staff of the Air Force (CSAF) directed Live, Virtual, and Constructive (LVC) integration efforts and is a critical piece to the USAF's implementation of the Strategic Plan for Transforming DoD Training. The goal of LVC training and mission rehearsal is to prepare our warfighters for the full range of military operations and maintain the combat readiness levels required by the Combatant Commands. This can only be accomplished by training and rehearsing in realistic operational environments. These environments include live training ranges and virtual simulators enhanced with constructive entities. Specific training and mission rehearsal events can include some or all of these simultaneously; making the ability to integrate LVC capabilities a necessity.

The Air, Space, and Cyberspace Constructive Environment (ASCCE) is the USAF's authoritative federation of constructive training models and tools realistically representing the tactical and operational capabilities the USAF brings to the joint fight. This includes development effort for Command & Control Simulation Environment for Training (C2SET), which provides the authoritative representation of AF and Joint theater-level air and space power and is used to train Air and Space Operations Center (AOC) personnel and Combatant Commanders' battle staffs. C2SET is replacing the AFMSTT models with the proven core Advanced Framework for Simulation, Integration, and Modeling (AFSIM) scientific engine. The goal is toward a fully scalable and more scientific based modeling, simulation, and training stimulation to the Combined Forces Air Component Commander (CFACC). AFMSTT entered full sustainment in FY21 and continues to receive operational updates to maintain operational currency until C2SET fully replaces.

This program is part of the overarching Kessel Run portfolio and is leveraging the All Domain Common platform (ADCP). The ADCP provides an extensible cloud based Infrastructure and Platform as a Service (IaaS/PaaS) hosting platform built to deliver highly resilient mission applications and data to Airmen deployed around the world.

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<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 675135 / Warfighter Readiness
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This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY23, 0.0M was expended for civilian pay expenses in this program element and in FY24 1.453M is forecasted for civilian pay expenses.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p><b>Title:</b> Command &amp; Control Simulation Environment for Training (C2SET)</p> <p><b>Description:</b> C2SET will replace AFMSTT &amp; C2WSPTT legacy systems with modernized training &amp; rehearsal capability to warfighters across various AOCs. C2SET models deliver capability for scalable, interoperable exercises to users across Sim Centers at Osan &amp; Hickam ABs. Furthermore, the C2SET environment creates high fidelity training scenarios for the operators at the 505th Command and Control Wing, Hurlburt Field AFB, FL</p> <p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>-Continue slice testing to deliver modernized capabilities of AFMSTT, ensuring system remains compatible with both Block 20 &amp; 10.1.</li> <li>-Continue to leverage DAF M&amp;S &amp; operational and analysis communities to deliver next generation training environments to AOC/CC Exercise Participants, Goodfellow Schoolhouse students &amp; DMOC-C &amp; KRADOS users.</li> </ul> <p><b>FY 2025 Base Plans:</b></p> <ul style="list-style-type: none"> <li>-Will continue deployment of modernized simulation capabilities providing realistic behavior simulation for current and future ATO and C5ISR mission sets by providing a substantially modernized core M&amp;S engine around a common USAF framework compatible with Block 20 &amp; 10.1</li> <li>-Will continue to expand on its capability to plan and execute a simulated exercise scaled to the number of missions, mission types, threats, and number of partners required to meet the Combined/Joint Force Commander's (C/JFC) desired training objectives for AOC/CC exercise participants</li> <li>-Will continue to work and deliver individual training to stimulate and simulate Block 20 systems necessary to provide initial &amp; mission qualification training (IQT &amp; MQT)</li> </ul> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b></p> <p>Funding increased to meet required development objectives for the third year of execution, and to provide for continued fielding under the CI/CD process.</p>	0.000	17.507	17.618	-	17.618
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	17.507	17.618	-	17.618

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<b>Appropriation/Budget Activity</b> 3600 / 7				<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)				<b>Project (Number/Name)</b> 675135 / Warfighter Readiness			

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

Line Item	FY 2023	FY 2024	FY 2025	FY 2025	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Cost To	
			Base	OCO	Total					Complete	Total Cost
• OPAF 03 833140: <i>Strategic Command And Control</i>	30.738	9.991	5.426	-	5.426	1.859	1.903	28.647	29.215	0.000	107.779
• RDTE 07 0303248F: <i>AF Command and Control (C2) Common Platform</i>	46.540	71.296	88.470	-	88.470	87.400	92.399	88.645	90.402	0.000	565.152

**Remarks**

N/A

**D. Acquisition Strategy**

The Acquisition goals of the Command & Control Simulation Environment for Training (C2SET) are achieved through incremental development of the project's M&S activities; all contracts are awarded using full and open competition. C2SET operates under authority of a Software Acquisition Pathway following DoDI 5000.87, Operation of a Software Acquisition Pathway Guidance. The desired end state is continuous delivery of all C2SET software.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)					Project (Number/Name)						
3600 / 7				PE 0801380F / AF LVC Operational Training (LVC-OT)					675135 / Warfighter Readiness						
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
C2SET (FSO)	C/T&M	Full Spectrum Operations : Fairfax, VA	-	-		5.836	Jul 2024	4.531	Jul 2025	-		4.531	Continuing	Continuing	-
C2SET (Omni)	C/T&M	Omni Federal : Gainesville, VA	-	-		7.694	Jul 2024	5.416	Jul 2025	-		5.416	Continuing	Continuing	-
<b>Subtotal</b>			-	-		13.530		9.947		-		9.947	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
C2SET Direct Mission Support	C/TBD	Various : TBD	-	-		0.000	Oct 2023	4.371	Oct 2024	-		4.371	Continuing	Continuing	-
C2SET Civilian Direct Cite Authorizations for Product Development	Allot	AFLCMC/FZA : TBD	-	-		1.453	Oct 2023	1.482	Oct 2024	-		1.482	Continuing	Continuing	-
<b>Subtotal</b>			-	-		1.453		5.853		-		5.853	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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
Program Management Administration	C/Variou	AFLCMC : HANSCOM AFB, MA	-	-		2.107	Oct 2023	1.393	Oct 2024	-		1.393	Continuing	Continuing	-
Systems Engineering	SS/ Various	MITRE : Bedford, MA	-	-		0.417	Oct 2023	0.425	Oct 2024	-		0.425	Continuing	Continuing	-
<b>Subtotal</b>			-	-		2.524		1.818		-		1.818	Continuing	Continuing	N/A
<b>Project Cost Totals</b>			-	-		17.507		17.618		-		17.618	Continuing	Continuing	N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2025 Air Force							<b>Date:</b> March 2024			
<b>Appropriation/Budget Activity</b> 3600 / 7			<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)			<b>Project (Number/Name)</b> 675135 / Warfighter Readiness				
	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	

Remarks

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Air Force</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 675135 / Warfighter Readiness

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
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>Air, Space, and Cyberspace Constructive Environment (ASCCE)</b>	
C2SET	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Air Force		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0801380F / AF LVC Operational Training (LVC-OT)	<b>Project (Number/Name)</b> 675135 / Warfighter Readiness

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Air, Space, and Cyberspace Constructive Environment (ASCCE)</i>				
C2SET	1	2024	4	2029