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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207601F / <i>USAF Modeling and Simulation</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	11.687	24.945	16.666	0.000	16.666	16.877	17.201	17.520	17.831	Continuing	Continuing
674567: <i>M&S Foundations</i>	-	3.163	13.613	5.676	0.000	5.676	6.731	6.864	6.992	7.116	Continuing	Continuing
675135: <i>Warfighter Readiness</i>	-	8.524	11.332	10.990	0.000	10.990	10.146	10.337	10.528	10.715	Continuing	Continuing

A. Mission Description and Budget Item Justification

United States Air Force (USAF) Modeling & Simulation (M&S) Program Element (PE) is broken into two thrust areas: Modeling and Simulation Foundations, and Warfighter Readiness. It directly supports Air Force, Joint, Coalition composite training and rehearsal, concept development, and acquisition and testing through modeling and simulation development as well as the integration of these across and within Live, Virtual, and Constructive (LVC) environments. This program focuses on support of Department of Defense (DoD) Training Transformation (T2). It allows the authoritative portrayal of new and emerging Air Force capabilities within DoD and coalition LVC environments; as well as reciprocating capabilities within Air Force LVC environments.

LVC environments today are used as the most cost effective and practical means to meet mission needs. In support of the DoD T2 initiative, USAF M&S program thrust areas develop and modernize models and simulations that are the constructive backbone of Air Force and joint training and rehearsal. Once these models and simulations are developed, they are integrated across training LVC environments for use by Major and Combatant Commands. This development and integration is 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. These, in turn, enable joint, coalition, and interagency training required to prepare forces for combat by generating the air and space picture for the Air and Space Operations Center (AOC), Joint Force Air Component Commander (JFACC), and Joint Force Commander in combat exercises; training over 100,000 personnel per year in exercises (e.g., Ulchi Freedom Guardian, Red & Blue Flags, Unified Endeavor, etc). These programs also provide the current foundational environment that enables warfighters to interact with high-fidelity tactical cockpit simulators, which replicate high demand/low density platforms that are often unavailable for training due to real-world operations; while simultaneously linking it to warfighters using their current command and control systems 1,000 miles away and the constructive simulations being run from key operational wargaming and simulation centers worldwide.

USAF M&S is integral to inter-agency Homeland Defense (HLD) exercises chartered to train combat units tasked to protect the Homeland, including the National Capital Region (exercise Amalgam Arrow); this generates equipment and manpower efficiencies by using simulations which reduce fuel consumption, aircraft wear and tear, and manpower costs. In support of the DoD drive to improve the effectiveness and efficiency of its enterprise-wide acquisition business processes, the USAF M&S Program Element develops and supports enhancements to models, simulations, tools, and the LVC infrastructure to provide for system-of-systems M&S capabilities across the lifecycle, reduce developmental costs, and minimize risks.

The FY 2017 funding request was reduced by \$.929 million to account for the availability of prior year execution balances.

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.

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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207601F / <i>USAF Modeling and Simulation</i>
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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	12.034	24.994	22.812	0.000	22.812
Current President's Budget	11.687	24.945	16.666	0.000	16.666
Total Adjustments	-0.347	-0.049	-6.146	0.000	-6.146
• Congressional General Reductions	0.000	-0.049			
• 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	-0.347	0.000			
• Other Adjustments	0.000	0.000	-6.146	0.000	-6.146

Change Summary Explanation

FY17: Other Adjustments row list a reduction of \$6.146 million to include:

- reduce the Simulation and Analysis Facility (SIMAF) funding by \$5.05 million to meet the needs of higher Air Force priorities
- reduce \$.167 million for inflation
- the FY 2017 funding request was reduced by \$.929 million to account for the availability of prior year execution balances

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation				Project (Number/Name) 674567 / M&S Foundations			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
674567: M&S Foundations	-	3.163	13.613	5.676	0.000	5.676	6.731	6.864	6.992	7.116	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 the MSF thrust 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 rehearsal.

The Air, Space, and Cyberspace Constructive Environment-Information Operations Suite (ACE-IOS) provides the authoritative representation of Air Force information operations. ACE-IOS is comprised of models that support training and mission rehearsal for the Air Force, Joint Task Force commanders, and Combatant Commands (COCOM) battle staffs during Joint and Service exercises and experimentations.

Simulation and Analysis Facility (SIMAF) focuses on fostering M&S tools, data, and infrastructure to enable high confidence acquisition of capabilities to support the joint warfighter. This includes Live-Virtual-Constructive (LVC) infrastructure, tools and processes supporting LVC events, and models, tools, data, simulations/stimulation to support requirements definition, systems engineering and test activities. Activities include M&S support for studies and analysis to support both current program planning and execution and future program planning. These efforts will 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.

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

	FY 2015	FY 2016	FY 2017
Title: Air Constructive Environment - Information Operations Suite (ACE-IOS)	3.163	8.646	5.676
Description: ACE-IOS provides the authoritative representation of Air Force information operations. IOS is comprised of models that support training and mission rehearsal for the Air Force, Joint Task Force commanders, and Combatant Command battle staffs during Joint and Service exercises and experimentations.			
FY 2015 Accomplishments:			
- Completed ACE-IOS (version 5.0.16.0)			
- Integrated Distributed Mission Operations Center - sSpace models for satellite orbits/topology and precision Global Positioning System (GPS) jamming effects			
- Implemented Digital Terrain Elevation Data (DTED) and Line-of-Sight (LOS) service for sensor module and ground game			

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 674567 / M&S Foundations		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<ul style="list-style-type: none"> - Implemented Distributed Interactive Simulation (DIS) to High Level Architecture bridge for interaction between Air Force Synthetic Environment for Reconnaissance and Surveillance weaponized Unmanned Aerial Vehicle and Joint Land Component Constructive Training Capability Federation - Added Pacific Intelligence Reporting Directive standards to the Joint Virtual Editing Tool - Implemented close combat and personnel modeling requested by and in support of United States Pacific Command (USPACOM) exercises - Implemented offensive/defensive cyber operations between a cyber exercise range and kinetic battlefield exercise <p>FY 2016 Plans:</p> <ul style="list-style-type: none"> - Complete ACE-IOS (version 5.0.17.0) - Develop Joint Data Translator as a service for Joint Live Virtual Constructive (JLVC) 2020 - Develop interface with Suter Project System for cross-initialization and run-time synchronization - Complete integration of DTED and LOS service in last three modules (jamming, electronic warfare, and networks) - Develop package available for DOD use to replace commercially licensed DIS package - Modernize United States Message Text Format production module and Java Server Pages - Develop Intelligence, Surveillance, and Reconnaissance (ISR) as a service for JLVC 2020, a prototype for the ACE-IOS services conversion scheduled for FY17 <p>FY 2017 Plans:</p> <ul style="list-style-type: none"> - Will complete ACE-IOS (version 5.0.18.0) <p>Will replace the commercially licensed Relational Database Management System (RDBMS) with a license-free database package</p> <ul style="list-style-type: none"> - Will replace all control Graphical User Interfaces (GUIs)/scripts with a single web-based GUI - Will continue to re-engineer ACE-IOS to an open architecture design - Will complete the modernization of all ACE-IOS modules as services with database access via the Application Programmers Interface (API) - Will develop the interface from the ACE-IOS to the JLVC 2020 database API 				
Title: Simulation and Analysis Facility (SIMAF)		0.000	4.967	0.000
Description: Develop, enhance and verify models, tools, data, simulations/stimulation environments for systems engineering and test activities.				
FY 2015 Accomplishments: N/A				
FY 2016 Plans: - Supports activities that include studies and analysis of current program planning/execution and future program planning				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 674567 / M&S Foundations		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<ul style="list-style-type: none"> -- Enables more efficient delivery of effective capabilities to the warfighter -- Reduces the time and resources required for design, development, test and evaluation, maintainability and sustainment - Supports the development and maturation of collaborative processes and capabilities within airborne network and air-ground layer interaction systems-of-systems assessments <p>FY 2017 Plans: N/A</p>				
Accomplishments/Planned Programs Subtotals		3.163	13.613	5.676
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy Air Force Life Cycle Management Center (AFLCMC) at Hanscom AFB, MA and the Simulation and Analysis Facility, Wright-Patterson AFB, OH manage the project's acquisition process. AFLCMC develops threats through engineering assessments and analysis. SIMAF focuses on M&S tools, data, and infrastructure to enable a high confidence of acquisition capabilities to support the warfighter. There acquisition goals are achieved through incremental development of the project's M&S activities. All major contracts are awarded using full and open competition.				
E. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force												Date: February 2016				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
3600 / 7				PE 0207601F / USAF Modeling and Simulation				674567 / M&S Foundations								
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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 Constructive Environment - Information Operations Suite (ACE-IOS)	C/Various	90th IOS : Lackland AFB, TX	-	3.100	Jul 2015	8.503	Feb 2016	5.528	Feb 2017	0.000		5.528	Continuing	Continuing	-	
Simulation and Analysis Facility (SIMAF)	C/Various	SIMAF : Wright Patterson AFB, OH	-	0.000		4.967	Dec 2015	0.000		0.000		0.000	Continuing	Continuing	-	
Subtotal			-	3.100		13.470		5.528		0.000		5.528	-	-	-	
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	
Subtotal			-	-		-		-		-		-	-	-	-	
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	
Subtotal			-	-		-		-		-		-	-	-	-	
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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/CPFF	AFCLMC : Hanscom AFB, MA	-	0.063	Jun 2015	0.143	Apr 2016	0.148	Apr 2017	0.000		0.148	Continuing	Continuing	-	
Subtotal			-	0.063		0.143		0.148		0.000		0.148	-	-	-	

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force								Date: February 2016			
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation				Project (Number/Name) 674567 / M&S Foundations			
	Prior Years	FY 2015	FY 2016		FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	-	3.163	13.613		5.676	0.000	5.676	-	-	-	

Remarks

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / <i>USAF Modeling and Simulation</i>	Project (Number/Name) 674567 / <i>M&S Foundations</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Air Contstructive Environment-Information Operations Suite (ACE-IOS)	1	2015	4	2021
- ACE-IOS - v5.0.16.0	1	2015	4	2015
- ACE-IOS - v5.0.17.0	1	2016	4	2016
- ACE-IOS - v5.0.18.0	1	2017	4	2017
- ACE-IOS - v5.0.19.0	1	2018	4	2018
- ACE-IOS - v5.0.20.0	1	2019	4	2019
- ACE-IOS - v5.0.21.0	1	2020	4	2020
- ACE-IOS - v5.0.22.0	1	2021	4	2021
Simulation and Analysis Facility (SIMAF)	1	2016	4	2016

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 675135 / Warfighter Readiness
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
675135: <i>Warfighter Readiness</i>	-	8.524	11.332	10.990	0.000	10.990	10.146	10.337	10.528	10.715	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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 (COCOMs). 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. It includes the Air Force Modeling and Simulation Training Toolkit (AFMSTT), 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 Combat Commanders (COCOM) battle staffs. The primary models in the AFMSTT are the Air Warfare Simulation (AWSIM) and Air Base Simulation (ABS).

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

	FY 2015	FY 2016	FY 2017
Title: Air, Space, and Cyberspace Constructive Environment (ASCCE)	8.524	11.332	10.990
Description: Air Force Modeling & Simulation Training Toolkit (AFMSTT)/Air Warfare Simulation (AWSIM)			
FY 2015 Accomplishments:			
- Completed the software development of the Air, Space, and Cyberspace Constructive Environment (ASCCE) via the Air Force Modeling and Simulation Training Toolkit (AFMSTT) Version 5.7			
- Completed the modernization of the AFMSTT modular framework architecture and the early development of the Unified Mission Controller (UMC) capability that simplified operator training			
- The Base Simulation Model was updated to better reflect support to Pacific operations			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 675135 / Warfighter Readiness		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<ul style="list-style-type: none"> - Supported a new competitive prime award and transition preparation <p>FY 2016 Plans:</p> <ul style="list-style-type: none"> - Complete and field AFMSTT Version 5.9 and commence long lead development for AFMSTT Version 5.11 - Complete contract transition - Continue AFMSTT modular framework architecture refinements and transition to the AFMSTT Unified Mission Controller (UMC) capability - Migrate TADIL and Air Base Simulations to the AFMSTT modular framework - Continue new joint requirements and model interface changes to the Federate Object Models (FOMs) <p>FY 2017 Plans:</p> <ul style="list-style-type: none"> - Complete the development, test, and fielding of AFMSTT Version 5.11 and commence development of AFMSTT Version 5.13 - Complete full developmental transition to the new AFMSTT UMC functionality with deprecation of select legacy point to point interfaces - Continue integration with spiral Joint Live Virtual Constructive (JLVC 2020) developments - Continue modeling of real world environments and new C2 systems' interfaces to ensure continued accurate and realistic - Commence long lead requirements derivation for prototyping of primary AWSIM application replacement 				
Accomplishments/Planned Programs Subtotals		8.524	11.332	10.990
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
Air Force Life Cycle Management Center (AFLCMC) at Hanscom AFB, MA manages the acquisition and incremental development process for all the project's M&S activities. To continue current efforts, a new Small Business Set Aside (SBSA) contract that incorporates the modular framework into AFMSTT being awarded after full and open competition.				
E. Performance Metrics				
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force												Date: February 2016				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
3600 / 7				PE 0207601F / USAF Modeling and Simulation				675135 / Warfighter Readiness								
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	
AFMSTT/(Air Warfare Simulation (AWSIM))	C/CPFF	AFLCMC : Hanscom AFB, MA	-	6.999	Oct 2014	9.846	Jan 2016	9.588	Feb 2017	0.000		9.588	Continuing	Continuing	-	
Subtotal			-	6.999		9.846		9.588		0.000		9.588	-	-	-	
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	
Subtotal			-	-		-		-		-		-	-	-	-	
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	
Subtotal			-	-		-		-		-		-	-	-	-	
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 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	-	1.525	Nov 2014	1.486	Nov 2015	1.402	Nov 2016	0.000		1.402	Continuing	Continuing	-	
Subtotal			-	1.525		1.486		1.402		0.000		1.402	-	-	-	
Project Cost Totals			-	8.524		11.332		10.990		0.000		10.990	-	-	-	
Remarks																

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 675135 / Warfighter Readiness

	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021															
	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												
Air, Space, and Cyber Constructive Environment	[Redacted]																																							
- AFMSTT v5.7	[Redacted]																																							
- AFMSTT v5.9	[Redacted]																																							
- AFMSTT v5.11					[Redacted]																																			
- AFMSTT v5.13									[Redacted]																															
- AFMSTT v6.1													[Redacted]																											
- AFMSTT v6.3																	[Redacted]																							
- AFMSTT v6.5																					[Redacted]																			
- AFMSTT v6.7																									[Redacted]															

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207601F / USAF Modeling and Simulation	Project (Number/Name) 675135 / Warfighter Readiness

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Air, Space, and Cyber Constructive Environment	1	2015	4	2021
- AFMSTT v5.7	1	2015	1	2015
- AFMSTT v5.9	1	2015	1	2016
- AFMSTT v5.11	1	2016	1	2017
- AFMSTT v5.13	1	2017	1	2018
- AFMSTT v6.1	1	2018	1	2019
- AFMSTT v6.3	1	2019	1	2020
- AFMSTT v6.5	1	2020	1	2021
- AFMSTT v6.7	1	2021	4	2021