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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605712F I Initial Operational Test & Evaluation							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	14.609	10.572	12.266	-	12.266	11.716	11.483	11.735	11.886	Continuing	Continuing
660191: Initial Operational Test and Eval	-	14.609	10.572	12.266	-	12.266	11.716	11.483	11.735	11.886	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

This program element funds Congressionally mandated Initial Operational Test and Evaluation (IOT&E) to support major weapon system acquisition decisions beyond Low-Rate Initial Production (LRIP), Milestone C, full rate production, fielding, and declaration of Initial Operational Capability (IOC). For major defense acquisition programs, the law requires IOT&E be completed under realistic operating conditions before proceeding beyond LRIP. IOT&E will be planned to completely and unambiguously answer all critical operational issues (COI) as thoroughly as possible. IOT&E is conducted to determine the operational effectiveness and suitability and resolve overall mission capability of systems undergoing research and development (R&D) efforts. It is an evaluation of a system's performance when the complete system is tested and evaluated against operational criteria by personnel with the same qualifications as those who will operate, maintain and support the system when deployed. In general, IOT&E is performed on new systems in development, major modifications, and other systems as directed. This PE funds the Air Force Operational Test Agency's participation in Integrated Test and Evaluation (IT&E), Multiservice Operational Test and Evaluation (MOT&E), and Follow-on Operational Test and Evaluation (FOT&E) when it is the continuation of IOT&E activities past the full rate production decision. FOT&E answers specific questions about unresolved COIs and test issues, or completes areas not finished during the IOT&E. This PE also funds related operational test and evaluation (OT&E) activities such as Early Influence, Operational Utility Evaluations (OUE), Early Operational Assessments (EOA), Operational Assessments (OA), and independent IOT&E which support major milestones and decision points prior to Milestone C, full rate production, fielding, or declaration of IOC. IOT&E programs are identified in several system categories: Air; Space; Weapons; Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR); and Combat Support. This is a level of effort program element driven by Congressionally and DoD acquisition mandated requirements for operational testing.

Budget Activity Justification: This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain operations required for general test and evaluation.

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B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	16.197	13.610	14.019	-	14.019
Current President's Budget	14.609	10.572	12.266	-	12.266
Total Adjustments	-1.588	-3.038	-1.753	-	-1.753
• Congressional General Reductions	-0.021	-			
• Congressional Directed Reductions	-	-3.038			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.567	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-1.753	-	-1.753
Change Summary Explanation					
FY13: Reduction of \$1.567M due to higher USAF and DoD priorities.					
FY14: \$3.038M Congressionally directed reduction-program decrease.					
FY15: Reduction of \$1.753M due to higher DoD priorities and adjustment for inflation.					
C. Accomplishments/Planned Programs (\$ in Millions)			FY 2013	FY 2014	FY 2015
Title: Air Systems OT&E			4.679	4.655	3.139
Description: Plan, execute and report OT&E for Air Systems					
FY 2013 Accomplishments:					
-Airborne Warning and Control System (AWACS) Block 40/45: Conducted early influence					
-B-52 CObat NETwork Communications Technology (CONNECT): Conducted IOT&E					
-C-130J Block Upgrades 7.0/8.1: Conducted early influence					
-Combat Rescue Helicopter (CRH): Conducted early influence					
-(Diminishing Manufacturing Sources) Replacement of Avionics for Global Operations and Navigation (E-3 DRAGON): Conducted OA1					
-F-15 Eagle Passive and Active Warning and Survivability System (F-15 EPAWSS): Conducted early influence					
-F-15E Radar Modernization Program (F-15E RMP): Conducted IOT&E					
-F-16 Combat Avionics Programmed Extension Suite (F-16 CAPES): Conducted early influence					
-F-22A 3.2A: Planned for FOT&E					

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-F-22A 3.2B: Conducted early influence -HC/MC-130 RECAP: Published Final Report -KC-46A: Conducted OA1 -Miniature Air Launched Decoy - Jammer (MALD-J): Conducted IOT&E -MQ-9 Block 5: Conducted OA, planned for FOT&E -Presidential Aircraft Recapitalization (PAR): Conducted early influence -QF-16: Conducted OA, planned for IOT&E FY 2014 Plans: -AWACS Block 40/45: Conduct early influence -B-2 Flex Strike Phase 1: Conduct early influence -C-130J Block Upgrades 7.0/8.1: Conduct early influence -CRH: Conduct early influence -(Diminishing Manufacturing Sources) Replacement of Avionics for Global Operations and Navigation (E-3 DRAGON): Plan for OA2 -F-15 EPAWSS: Conduct early influence -F-22A 3.2A: Conduct FOT&E -F-22A 3.2B: Plan for OA -KC-46A: Plan for OA2 -MALD-J: Complete IOT&E -MQ-9 Block 5: Conduct FOT&E -PAR: Conduct early influence -QF-16: Conduct IOT&E -Conduct other planning and operational testing for new air system programs as the requirement becomes known to AFOTEC FY 2015 Plans: -AWACS Block 40/45: Plan for FOT&E -B-2 Flex Strike Phase 1: Plan for IOT&E -C-130J Block Upgrades 7.0/8.1: Plan for OA -CRH: Conduct early influence -(Diminishing Manufacturing Sources) Replacement of Avionics for Global Operations and Navigation (E-3 DRAGON): Conduct OA2, plan for IOT&E -F-15 EPAWSS: Conduct early influence -F-22A 3.2A: Publish final report -F-22A 3.2B: Conduct OA				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-KC-46A: Conduct OA2, plan for IOT&E -MQ-9 Block 5: Complete FOT&E -PAR: Conduct early influence -Conduct other planning and operational testing for new air system programs as the requirement becomes known to AFOTEC				
Title: Space Systems OT&E Description: Plan, execute and report OT&E for Space Systems OT&E FY 2013 Accomplishments: -Advanced Extremely High Frequency Satellite Communications (Advanced EHF): Conducted OUE, planned for MOT&E -Enhanced Polar System (EPS): Conducted EOA -Global Broadcast Service (GBS): Planned for FOT&E -Global Positioning System Block III (GPS III): Conducted early influence -Military GPS User Equipment (GPS MGUE): Planned for EOA -GPS Next Generation Control Segment (GPS OCX): Conducted early influence -Inter-Continental Ballistic Missile Fuze (ICBM FUZE): Conducted early influence -Integrated Strategic Planning and Analysis Network Increment 4 (ISPAN Inc. IV): Planned for EOA -Joint Space Operations Center (JSpOC) Mission System (JMS): Reported on increment 1 OUE and increment 2 EOA -Space Based Infrared System (SBIRS): Conducted early influence -Space Fence: Conducted early influence FY 2014 Plans: -Advanced EHF: Conduct MOT&E -EPS: Conduct early influence -GBS: Conduct FOT&E -GPS III: Conduct early influence -GPS MGUE: Conduct EOA -GPS OCX: Plan for OA -ICBM FUZE: Conduct early influence -ISPAN Inc. IV: Conduct EOA -JMS: Plan for IOT&E -SBIRS: Plan for OUE2 -Space Fence: Conduct early influence		1.157	2.386	0.634

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-Conduct other planning and operational testing for new space system programs as the requirement becomes known to AFOTEC FY 2015 Plans: -Advanced EHF: Complete MOT&E -EPS: Conduct early influence -GBS: Complete FOT&E -GPS III: Conduct early influence -GPS MGUE: Plan for OA -GPS OCX: Conduct OA -ICBM FUZE: Plan for EOA -ISPAN Inc. IV: Plan for IOT&E -JMS: Conduct IOT&E -SBIRS: Conduct OUE2 -Space Fence: Conduct early influence -Conduct other planning and operational testing for new space system programs as the requirement becomes known to AFOTEC				
Title: Weapons OT&E Description: Plan, execute and report OT&E for Weapons OT&E FY 2013 Accomplishments: -AIM-120C Advanced Electronic Protection Improvement Program (AIM-120C Advanced EPIP): Planned for MOT&E -AIM-120C Electronic Protection Improvement Program (AIM-120C EPIP): Conducted MOT&E -AIM-9X Block II: Conducted MOT&E -B-61 Life Extension Program (B-61 LEP): Conducted early influence -Hard Target Void Sensing Fuze (HTVSF): Conducted OA -Long-Range Stand-Off Weapon (LRSO): Conducted early influence -Small Diameter Bomb II (SDB II): Conducted OA FY 2014 Plans: -AIM-120C Advanced EPIP: Plan for MOT&E -AIM-120C EPIP: Complete MOT&E -AIM-9X Block II: Conduct MOT&E -B-61 LEP: Conduct early influence -HTVSF: Complete OA, plan for MOT&E -LRSO: Conduct early influence		2.221	0.353	5.436

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-SDB II: Complete OA, plan for IOT&E -Conduct other planning and operational testing for new weapons system programs as the requirement becomes known to AFOTEC FY 2015 Plans: -AIM-120C Advanced EPIP: Conduct MOT&E -B-61 LEP: Conduct early influence -HTVSF: Conduct MOT&E -LRSO: Conduct early influence -SDB II: Conduct IOT&E -Conduct other planning and operational testing for new weapons system programs as the requirement becomes known to AFOTEC				
Title: C4ISR OT&E Description: Plan, execute and report OT&E for C4ISR OT&E FY 2013 Accomplishments: -Three Dimensional Expeditionary Long Range Radar (3DELRR): Conducted early influence -Air Force Distributed Common Ground System SR 3.0 (AF DCGS SR 3.0): Planned for OUE -Air Force Integrated Personnel and Pay System (AF-IPPS): Conducted early influence -Air Operations Center (AOC): Conducted early influence -Airborne Signals Intelligence Payload 2C (ASIP 2C): Planned for OA -Battle Control System - Fixed, Release 3.2 (BCS-F 3.2): Conducted FOT&E -Command and Control Air Operations Suite/Command and Control Information Services (C2AOS-C2IS): Conducted early influence -Dismount Detection Radar (DDR): Planned for OUE -Family of Advanced Beyond Line Of Sight Terminals (FAB T): Conducted OA3 (Boeing) -Integrated Broadcast System (IBS): Conducted MOT&E -RQ-4B Global Hawk Block 40: Conducted OUE, planned for IOT&E FY 2014 Plans: -3DELRR: Conduct early influence -AF DCGS SR 3.0: Conduct OUE, plan for IOT&E -AF-IPPS: Conduct early influence -AOC: Plan for OA and IOT&E		6.474	3.120	2.858

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-ASIP 2C: Conduct OA -BCS-F 3.2: Complete FOT&E -C2AOS-C2IS: Plan for MOT&E1 -DDR: Conduct OUE -FAB T: Complete OA3 (Boeing), plan for OA1 (Raytheon) -IBS: Publish final report -RQ-4B Global Hawk Block 40: Conduct IOT&E -Conduct other planning and operational testing for new C4ISR programs as the requirement becomes known to AFOTEC FY 2015 Plans: -3DELRR: Conduct early influence -AF DCGS SR 3.0: Conduct IOT&E -AF-IPPS: Plan for OA -AOC: Conduct OA, conduct IOT&E -ASIP 2C: Complete OA, plan for IOT&E -C2AOS-C2IS: Conduct MOT&E1 -DDR: Complete OUE -FAB T: Plan for IOT&E -RQ-4B Global Hawk Block 40: Complete IOT&E -Conduct other planning and operational testing for new C4ISR programs as the requirement becomes known to AFOTEC				
Title: Combat Support OT&E Description: Plan, execute and report OT&E for Combat Support OT&E FY 2013 Accomplishments: -Integrated Aircrew Ensemble (IAE): Planned for OA -Joint Mission Planning System B-2 (JMPS B-2): Conducted early influence -Joint Mission Planning System B-52 (JMPS B-52): Conducted early influence -Joint Mission Planning System E-8 (JMPS E-8): Conducted IOT&E FY 2014 Plans: -IAE: Conduct OA -JMPS B-2: Conduct early influence -JMPS B-52: Plan for IOT&E		0.078	0.058	0.199

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
-Conduct other planning and operational testing for new combat support programs as the requirement becomes known to AFOTEC <i>FY 2015 Plans:</i> -IAE: Conduct IOT&E -JMPS B-2: Plan for IOT&E -JMPS B-52: Conduct IOT&E -Conduct other planning and operational testing for new combat support programs as the requirement becomes known to AFOTEC				
Accomplishments/Planned Programs Subtotals		14.609	10.572	12.266
D. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
E. Acquisition Strategy N/A				
F. 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.				