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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0207701F: <i>Full Combat Mission Training</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	58.077	57.393	39.826	-	39.826	24.442	24.885	17.612	22.083	Continuing	Continuing
655012: <i>Full Combat Mission Training</i>	23.012	6.314	16.122	-	16.122	15.464	12.529	12.222	12.506	Continuing	Continuing
655354: <i>F-16 Block 40/50 MTC</i>	35.065	51.079	23.704	-	23.704	8.978	12.356	5.390	9.577	Continuing	Continuing

A. Mission Description and Budget Item Justification

The program funding includes reductions for overhead reduction efficiencies that are not intended to impact program content. The efficiencies reductions total \$1.743 in FY12.

Full Combat Mission Training (FCMT) supports Air Force Distributed Mission Operations (DMO) and Live-Virtual-Constructive (LVC) integration. DMO is an operational readiness initiative enabling the USAF to exercise and train at the operational and strategic levels of war while facilitating unit-level training. Networked LVC components form the integrated DMO battlespace by linking geographically distributed high fidelity combat and combat support training devices including Command and Control (C2) and Intelligence, Surveillance, and Reconnaissance (ISR) systems. RDT&E for Full Combat Mission Training is funded in Budget Activity 5, System Development and Demonstration because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements. Project 5012, FCMT, efforts are focused on development, demonstration, and transitioning of critical functions associated with the DMO/LVC network and linked simulators. Project 5354, F-16 Block 40/50 Mission Training Centers (MTC), efforts are focused on development and demonstration of the F-16 Block 40/50 MTC.

RDT&E for Full Combat Mission Training is funded in Budget Activity 5, System Development and Demonstration because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	79.807	57.393	34.838	-	34.838
Current President's Budget	58.077	57.393	39.826	-	39.826
Total Adjustments	-21.730	-	4.988	-	4.988
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-21.730	-	4.988	-	4.988

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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>	
<p><u>Change Summary Explanation</u> FY12 ; Increased to align F-16 trainer development with updated Schedule and Cost Estimates</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training				PROJECT 655012: Full Combat Mission Training			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
655012: Full Combat Mission Training	23.012	6.314	16.122	-	16.122	15.464	12.529	12.222	12.506	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note The program has been funded to latest cost estimate, less efficiencies. The reduction for efficiencies are not intended to impact program content.											
A. Mission Description and Budget Item Justification The program funding includes reductions for overhead reduction efficiencies that are not intended to impact program content. The efficiencies reductions total \$1.743 in FY12. Full Combat Mission Training (FCMT) supports Air Force Distributed Mission Operations (DMO) and Live-Virtual-Constructive (LVC) integration. DMO is an operational readiness initiative enabling the USAF to exercise and train at the operational and strategic levels of war while facilitating unit-level training. FY12 FCMT funding provides research in areas benefiting the AF DMO/LVC environment as a whole. Provides Mission Essential Competency studies and contract administration for new systems that support the initial Combat Air Forces (CAF) DMO/LVC capability. Provides research and development to facilitate integration of fielded and newly acquired, Air Force owned training devices into DMO/LVC networks. Enhances the quality of training for the systems added to the network. Enables aircrews to network with LVC components to form the integrated DMO battlespace. Links geographically distributed, high-fidelity combat and combat support training devices including Command and Control (C2) and Intelligence, Surveillance, and Reconnaissance (ISR) systems. Develops, demonstrates and inserts multi-level security capability. Allows the warfighters at home station to exercise and train at the operational and strategic levels of war as well as conduct networked unit-level training. This porgram is in Budget Activity 5, System Development and Demonstration because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Cross Domain Solutions (CDS)							4.085	1.340	4.605	-	4.605
Description: Development, demonstration and insertion of multi-level security capability.											
FY 2010 Accomplishments: CDS for F-15E and B-2											
FY 2011 Plans:											

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training	PROJECT 655012: Full Combat Mission Training				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Continue CDS for F-15E and B-2 FY 2012 Base Plans: Cross Domain Solution as required for operational systems on the DMO Network including B-2 and F-35. Development, demonstration and insertion of multi-level security solutions. FY 2012 OCO Plans:						
Title: Develop DMO Capabilities Description: Continue development, demonstration, studies and insertion of DMO/LVC related technologies and proficiency based continuation training strategies. FY 2010 Accomplishments: Continue network re-architecture initiative FY 2011 Plans: Continue network re-architecture initiative FY 2012 Base Plans: Enhance visual fidelity of F-22 simulators to support DMO capability. Develop network architecture initiatives for technology refresh and cost reductions; side by side feasibility testing of DMO and Global Information Grid (GIG) network. FY 2012 OCO Plans:		7.505	1.092	8.343	-	8.343
Title: Validation of warfighter seasoning Description: Studies to assess and validate warfighter seasoning required in continuation training and accreditation of portions of this process. FY 2010 Accomplishments: Refine methodology for linking knowledge, skills, and experiences to gaps and to training opportunities; completion of F-22 and F-15C Mission Essential Competencies (MEC) data and results; start F-15E and F-16 multirole MEC, and Joint Terminal Attack Control (JTAC) Close Air Support (CAS) MEC refresher; Complete		1.000	1.022	1.022	-	1.022

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training	PROJECT 655012: Full Combat Mission Training				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
definition and gap analyses for remotely piloted aircraft and mission areas; Develop competency-based scenarios for remotely piloted aircraft; Develop scenarios and syllabi for close air support live and virtual training. FY 2011 Plans: Complete F-15E and F-16 multirole process and results. Complete JTAC CAS MEC refresher; Refine development of MEC process for schoolhouse tactical training using A-10 and F-22 mission areas and schoolhouses as initial domains; Refine development of methods to link schoolhouse initial competency sets and MEC ops definitions and data; Validate close air support distributed mission training using competency-based methods in live and virtual environments. FY 2012 Base Plans: Evaluate training impact of Live, Virtual, and Constructive (LVC) integration with 4th generation systems; Complete evaluation of different mixes of live and virtual training in support of initial and refresher mission proficiency; Validate methodology for quantifying knowledge and skill proficiency for air to air and air to ground mission areas; Develop methods to integrate competency-based data into existing USAF sortie and experience tracking systems; Demonstrate proficiency tracking tools in two identified mission areas; Demonstrate integration of schoolhouse initial competency set data with recurring MEC requirements data for comprehensive LVC training development and management. FY 2012 OCO Plans:						
Title: Develop objective performance enhancement Description: Studies to develop objective performance enhancement and measurement tools, for use in the DMO/LVC environment. FY 2010 Accomplishments: Develop and integrate metrics and measurement reporting method for F-15C and F-22 performance measurement. Develop and refine data displays and visualization for air combat assessment. Complete development of authoring tools to permit ops definition of metrics and measures. Begin development of methods to routinely track and certify readiness and performance across live and virtual systems and events for operational squadrons; Demonstrate persistent performance measurement in F-15C and F-22 mission training centers; Demonstrate cross mission LVC performance assessment; Conduct field evaluation of persistent performance measurement at Aviano AB, IT. FY 2011 Plans:		1.000	1.022	1.022	-	1.022

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training		PROJECT 655012: Full Combat Mission Training				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Validate air-to-air and air-to-ground performance measures and visualization tools; Complete field evaluations of persistent readiness assessment in F-15C, F-16, and F-22 live and virtual contexts; Demonstrate integrated Close Air Support common metrics for ground controllers and air platforms; Validate metrics and visualization tools for remotely piloted aircraft readiness assessment; Complete validation of authoring tools to rapidly develop metrics for ops unit assessments and certification. FY 2012 Base Plans: Complete integrated data summaries of LVC performance measures for 4th gen systems; Design and validate performance based tools for mission planning and after action review; Develop common metrics and data specifications to permit measures collected in live and virtual contexts to be shared, integrated, and displayed in a common debriefing technology; Demonstrate LVC performance measurement across mission areas and platforms; Demonstrate integration of Remotely Piloted Aircraft (RPA), Air to Air (A/A), and Air to Ground (A/G) measures and metrics for at least two common LVC scenarios. FY 2012 OCO Plans:							
Title: Identify training and rehearsal gaps Description: Studies to identify training and rehearsal gaps in DMO/LVC architecture based on current weapons system and operational tactics, training, procedures (TTPs). FY 2010 Accomplishments: Start Nellis LVC field study; implement study designs for alternate mixes of live and virtual training with F-15C and F-22 ops units; Develop LVC field evaluation design for integrated USAF and Australian RAAF coalition mission training; Complete distributed mission training study with Joint Terminal Attack and Control (JTAC) and remotely piloted aircraft virtual training; Complete initial ops evaluation of less-than-full-fidelity virtual training at Aviano AB, IT; Develop evaluation study design for integrated air combat and command and control LVC training. FY 2011 Plans: Complete initial USAF and Australian RAAF coalition mission training evaluation; Conduct field evaluation of integrated performance measurement and sortie tracking methods for ops readiness certification; Conduct additional studies of alternate mixes of live and virtual training with F-15E and F-16 ops squadrons; Complete second skill decay study evaluating impacts of different mixes of live and virtual training on combat skill retention and decay; Complete initial evaluation of Nellis LVC operational assessment. Integrate data into next spiral of			1.000	1.022	1.022	-	1.022

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training	PROJECT 655012: Full Combat Mission Training				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Nellis LVC operational assessment; Demonstrate common aircraft, range, and virtual environment performance measurement and tracking in Nellis LVC ops assessment. FY 2012 Base Plans: Refine LVC architecture and instrumentation to permit training effectiveness evaluations of 4th and 5th gen systems interoperating in LVC; Complete initial training effectiveness evaluation of RPA competency-based training with Combat Air Force units; Complete training effectiveness evaluations of JTAC training and rehearsal integrated with Air Support Operations and with RPA virtual and constructive environments; Complete field evaluation of deployable tactical trainers as part of USAFE LVC Construct; Complete assessment of the integration of JTAC training within the context of coalition mission training research and ops support with the British RAF. FY 2012 OCO Plans:						
Title: Other Network Studies Description: Research and development to provide for the integration of fielded and newly introduced, Air Force high-fidelity flight and mission trainers. FY 2010 Accomplishments: Study and demonstrate DMO network conversion to the GIG FY 2011 Plans: Continue study and demonstration of the DMO network conversion to the GIG FY 2012 Base Plans: FY 2012 OCO Plans:		3.467	0.100	-	-	-
Title: Program Office Support Description: Program Office Support FY 2010 Accomplishments: Program Office Support FY 2011 Plans:		4.955	0.716	0.108	-	0.108

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training				PROJECT 655012: Full Combat Mission Training					
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Program Office Support													
FY 2012 Base Plans: Program Office Support.													
FY 2012 OCO Plans:													
Accomplishments/Planned Programs Subtotals									23.012	6.314	16.122	-	16.122
C. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost		
• PE 0207701F: Full Combat Mission Training, O & M, AF	165.792	212.644	182.283	0.000	182.283	198.216	259.482	264.531	218.842	Continuing	Continuing		
D. Acquisition Strategy													
Each platform joining the Distributed Mission Operations (DMO)/Live-Virtual-Constructive (LVC) environment selects its own acquisition strategy based on using command needs, Business Case Analysis (BCA) and the magnitude of the training system changes required to provide DMO capability. The initial systems in the DMO/LVC environment; F-15C, AWACS, F-16 Block 40/50 and F-15E, all required new training systems. In addition, the Operations and Integration capability had to be created. The Training Simulation Service (TSS) acquisition strategy was used to meet a portion of these requirements. In the TSS approach, the contractor owns and provides the simulator equipment, maintains simulator concurrency with weapon systems, and has incentives to keep the equipment up to date with simulator and network technologies. The FY07 NDAA specifically limited the Air Force’s ability to acquire military flight simulators with service contracts. As a result, training capability currently provided on the F-16 MTC is being replaced under a separate program with training provided with procured flight simulators. (Acquisition of the F-16 Block 40/50 MTCs is detailed under the Project 655354 in this document.) The FY08 NDAA language allows continued use of the service contract approach on systems where it was already in use. Currently fielded and projected Air Force-owned Flight and Mission Training Systems without DMO/LVC capability will be modified using FCMT funds to ensure compatibility with the DMO-LVC environment. Additional DMO capable trainers will be acquired for those systems where current quantities are inadequate to meet training requirements using FCMT funds.													
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 2012 Air Force										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training				PROJECT 655012: Full Combat Mission Training					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ASC/WNS AFMC	C/Various	ASC/WNS AFMC:Wright Patterson AFB, OH	121.474	0.992	Jan 2011	7.002	Jan 2012	-		7.002	Continuing	Continuing	0.000
ASC/WWUS (F-22)	SS/CPIF	ASC/WWUS AFMC:Wright Patterson AFB, OH	69.500	0.200	Aug 2011	0.200	Aug 2012	-		0.200	Continuing	Continuing	0.000
507 MASSG (B-52)	SS/FFP	507 MASSG:Hill AFB, UT	5.000	0.200	Aug 2011	-		-		-	0.000	5.200	0.000
ASC/WNS (B-1, B-2 & Joint Terminal Control Training and Rehearsal System [JTC TRS]))	SS/CPIF	ASC/WNS AFMC:Wright Patterson AFB, OH	27.193	0.200	Feb 2011	2.639		-		2.639	Continuing	Continuing	0.000
Subtotal			223.167	1.592		9.841		-		9.841			0.000
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Research Lab, 711 Human Performance Wing, Human	C/CPFF	711 HPW/RHA:Wright Patterson AFB, OH	17.402	3.066	Jan 2011	6.173	Jan 2012	-		6.173	Continuing	Continuing	0.000
Subtotal			17.402	3.066		6.173		-		6.173			0.000
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Not specified.	TBD	Not specified.:Location not provided.	-	-		-		-		-	0.000	0.000	0.000
Subtotal			-	-		-		-		-	0.000	0.000	0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>				PROJECT 655012: <i>Full Combat Mission Training</i>						

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support	C/Various	ASC/WNS AFMC:Wright Patterson AFB, OH	30.032	1.656	Dec 2010	0.108	Dec 2011	-		0.108	Continuing	Continuing	0.000
Subtotal			30.032	1.656		0.108		-		0.108			0.000

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	270.601	6.314		16.122		-		16.122			0.000

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training	PROJECT 655012: Full Combat Mission Training

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>	PROJECT 655012: <i>Full Combat Mission Training</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>	PROJECT 655012: <i>Full Combat Mission Training</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>	PROJECT 655012: <i>Full Combat Mission Training</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
F-22 DMO Development Complete	1	2010	1	2013
F-22 Install: Langley	1	2010	1	2010
F-22 Install: Tyndall	3	2011	3	2011
B-1 Mod kits installed	2	2011	4	2011
B-2 Mod kits installed	4	2011	4	2011
B-2 Operations	4	2013	1	2016
B-52 Mod kits installed	2	2011	4	2012
F-35 Full Mission Simulator Operation	4	2013	1	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training				PROJECT 655354: F-16 Block 40/50 MTC				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
655354: F-16 Block 40/50 MTC	35.065	51.079	23.704	-	23.704	8.978	12.356	5.390	9.577	Continuing	Continuing	
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0			
A. Mission Description and Budget Item Justification												
F-16 Block 40/50 Mission Training Center (MTC) supports the development, acquisition, fielding and sustainment of high fidelity, Distributed Mission Operations (DMO) capable flight simulators for F-16 Block 40 and 50 weapon systems. Each MTC includes multiple high fidelity Simulator Cockpits, Instructor Operator Stations, a Threat Server and Brief/Debrief and Mission Observation capability. Each is capable of linking to geographically distributed high-fidelity combat and combat support training devices including Command and Control (C2) and Intelligence, Surveillance, and Reconnaissance (ISR) systems. Allows the warfighters at home station to exercise and train at the operational and strategic levels of war as well as conduct networked unit-level training.												
This program is in Budget Activity 5, System Development and Demonstration because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: F-16 MTC R&D								33.672	49.079	22.929	-	22.929
Description: Research and development of DMO capable flight simulators to replace training capability which has been provided by training simulation service contracts. Research, development and testing of modifications to the F-16 MTC to maintain concurrency with F-16 aircraft												
FY 2010 Accomplishments: F-16 MTC Training System Support Center development. Includes, but is not limited to, the development and support of F-16 flight simulators.												
FY 2011 Plans: Continue F-16 MTC development, test and fielding												
FY 2012 Base Plans: Continue F-16 MTC development, test and fielding												
FY 2012 OCO Plans:												
Title: Program Office Support								1.393	2.000	0.775	-	0.775
Description: Program Office Support												

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>FY 2010 Accomplishments:</i> Program Office Support <i>FY 2011 Plans:</i> Program Office Support <i>FY 2012 Base Plans:</i> Program Office Support <i>FY 2012 OCO Plans:</i>					
Accomplishments/Planned Programs Subtotals	35.065	51.079	23.704	-	23.704

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• PE 0207701F: <i>F-16 Block 40/50 MTC; APAF</i>	57.286	59.640	44.401	0.000	44.401	9.763	2.016	2.080	2.090	Continuing	Continuing

D. Acquisition Strategy F-16 Block 40/50 MTCs are being developed and fielded under a competitively awarded FAR Part 15 Supply contract with RDT&E and APAF funds. The MTCs will be sustained by a Contract Logistic Support(CLS) using Operations and Maintenance funds.

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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force										DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0207701F: Full Combat Mission Training				PROJECT 655354: F-16 Block 40/50 MTC					
Product Development (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Trainer Development	C/Various	L3 Comm, Link Simulation & Training:Arlington, TX	33.672	49.079	Dec 2010	22.929	Dec 2011	-		22.929	Continuing	Continuing	0.000	
Subtotal			33.672	49.079		22.929		-		22.929			0.000	
Support (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Subtotal			-	-		-		-		-	0.000	0.000	0.000	
Test and Evaluation (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Subtotal			-	-		-		-		-	0.000	0.000	0.000	
Management Services (\$ in Millions)					FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Office Support	C/FFP	ASC/WNS AFMC:Wright Patterson AFB, OH	1.393	2.000	Dec 2010	0.775	Dec 2011	-		0.775	Continuing	Continuing	0.000	
Subtotal			1.393	2.000		0.775		-		0.775			0.000	
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			35.065	51.079		23.704		-		23.704			0.000	
Remarks														

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0207701F: <i>Full Combat Mission Training</i>	PROJECT 655354: <i>F-16 Block 40/50 MTC</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY

3600: *Research, Development, Test & Evaluation, Air Force*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0207701F: *Full Combat Mission Training*

PROJECT

655354: *F-16 Block 40/50 MTC*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Design/Develop/Test F-16 MTC, including concurrency mods	1	2010	4	2016
MTC #1 Nellis AFB NV Fielded	4	2011	4	2011
MTC #2 Location TBD Fielded	2	2012	2	2012
MTC #3 Holloman AFB NM Fielded	4	2012	4	2012
MTC #4 Kunsan AB Korea	1	2013	1	2013
MTC #5 Shaw AB SC	2	2013	2	2013
MTC #6 Spangdahlem AB GE	3	2013	3	2013
MTC #7 Aviano AB IT	1	2014	1	2014
MTC # 8 Production and Fielding Dependent of F-16 Aircraft	3	2015	3	2015

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