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**Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	28.917	14.861	4.663	-	4.663	13.571	15.636	11.672	11.881	Continuing	Continuing
655012: <i>Full Combat Mission Training</i>	-	15.631	5.804	0.000	-	0.000	2.645	2.714	2.854	2.905	Continuing	Continuing
655354: <i>F-16 Block 40/50 MTC</i>	-	13.286	9.057	4.663	-	4.663	10.926	12.922	8.818	8.976	Continuing	Continuing

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

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

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 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.

This program is funded in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting Engineering and Manufacturing Development tasks aimed at meeting validated requirements prior to full-rate production.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014 Base</b>	<b>FY 2014 OCO</b>	<b>FY 2014 Total</b>
Previous President's Budget	29.826	14.861	15.183	-	15.183
Current President's Budget	28.917	14.861	4.663	-	4.663
Total Adjustments	-0.909	0.000	-10.520	-	-10.520
• Congressional General Reductions	-	0.000			
• Congressional Directed Reductions	-	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	-	0.000			
• Congressional Directed Transfers	-	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.909	0.000			
• Other Adjustments	0.000	0.000	-10.520	-	-10.520

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**APPROPRIATION/BUDGET ACTIVITY**  
3600: *Research, Development, Test & Evaluation, Air Force*  
BA 5: *System Development & Demonstration (SDD)*

**R-1 ITEM NOMENCLATURE**  
PE 0207701F: *Full Combat Mission Training*

**Change Summary Explanation**

FY14: Reduction of 10.520M due to higher DoD priorities

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**Exhibit R-2A, RDT&E Project Justification:** PB 2014 Air Force **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
655012: <i>Full Combat Mission Training</i>	-	15.631	5.804	0.000	-	0.000	2.645	2.714	2.854	2.905	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

**Note**

The program has been funded to latest cost estimate.

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

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. FCMT funding provides research in areas benefiting the AF DMO/LVC environment as a whole. 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. This 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.

No FY14 funding is requested.

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

	<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
<b>Title:</b> Cross Domain Solutions (CDS)	4.631	2.590	0.000
<b>Description:</b> Development, demonstration and insertion of multi-level security capability.			
<b>FY 2012 Accomplishments:</b> 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.			
<b>FY 2013 Plans:</b> Develop Core Mission Enclave (CME) multilevel security approach to include, but not limited to, F-35 and B-2.			
<b>FY 2014 Plans:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Air Force		<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
N/A				
<p><b>Title:</b> Develop DMO Capabilities</p> <p><b>Description:</b> Continue development, demonstration, studies and insertion of DMO/LVC related technologies and proficiency based continuation training strategies.</p> <p><b>FY 2012 Accomplishments:</b> Enhanced visual fidelity of F-22 simulators to support DMO capability. Developed network architecture initiatives for technology refresh and cost reductions; side by side feasibility testing of DMO and Global Information Grid (GIG) network.</p> <p><b>FY 2013 Plans:</b> Continue enhancement of visual fidelity of F-22 and B-2 simulators to support DMO capability. Continue to develop network architecture initiatives for technology refresh and cost reductions; side by side feasibility testing of DMO and Global Information Grid (GIG) network.</p> <p><b>FY 2014 Plans:</b> N/A</p>		7.852	3.040	0.000
<p><b>Title:</b> Validation of warfighter seasoning</p> <p><b>Description:</b> Studies to assess and validate warfighter seasoning required in continuation training and accreditation of portions of this process.</p> <p><b>FY 2012 Accomplishments:</b> Evaluated training impact of Live, Virtual, and Constructive (LVC) integration with 4th generation systems; Completed evaluation of different mixes of live and virtual training in support of initial and refresher mission proficiency; Validated methodology for quantifying knowledge and skill proficiency for air to air and air to ground mission areas; Developed methods to integrate competency-based data into existing USAF sortie and experience tracking systems; Demonstrated proficiency tracking tools in two identified mission areas; Demonstrated integration of schoolhouse initial competency set data with recurring MEC requirements data for comprehensive LVC training development and management.</p> <p><b>FY 2013 Plans:</b> N/A</p> <p><b>FY 2014 Plans:</b> N/A</p>		1.022	0.000	0.000
<p><b>Title:</b> Develop objective performance enhancement</p>		1.022	0.000	0.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Air Force		<b>DATE:</b> April 2013		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>		<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
<p><b>Description:</b> Studies to develop objective performance enhancement and measurement tools, for use in the DMO/LVC environment.</p> <p><b>FY 2012 Accomplishments:</b> Completed integrated data summaries of LVC performance measures for 4th gen systems; Designed and validated performance based tools for mission planning and after action review; Developed 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; Demonstrated LVC performance measurement across mission areas and platforms; Demonstrated 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.</p> <p><b>FY 2013 Plans:</b> N/A</p> <p><b>FY 2014 Plans:</b> N/A</p>				
<p><b>Title:</b> Identify training and rehearsal gaps</p> <p><b>Description:</b> Studies to identify training and rehearsal gaps in DMO/LVC architecture based on current weapons system and operational Tactics, Training, Procedures (TTPs).</p> <p><b>FY 2012 Accomplishments:</b> Refined LVC architecture and instrumentation to permit training effectiveness evaluations of 4th and 5th gen systems interoperating in LVC; Completed initial training effectiveness evaluation of Remotely Piloted Aircraft (RPA) competency-based training with Combat Air Force units; Completed training effectiveness evaluations of JTAC training and rehearsal integrated with Air Support Operations and with RPA virtual and constructive environments; Completed field evaluation of deployable tactical trainers as part of United States Air Forces Europe (USAFE) LVC Construct; Completed assessment of the integration of JTAC training within the context of coalition mission training research and ops support with the British Royal Air Force (RAF).</p> <p><b>FY 2013 Plans:</b> N/A</p> <p><b>FY 2014 Plans:</b> N/A</p>		1.022	0.000	0.000
<p><b>Title:</b> Other Network Studies</p>		0.000	0.000	0.000

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2012	FY 2013	FY 2014
<p><b>Description:</b> Research and development to provide for the integration of fielded and newly introduced, Air Force high-fidelity flight and mission trainers.</p> <p><b>FY 2012 Accomplishments:</b> N/A</p> <p><b>FY 2013 Plans:</b> N/A</p> <p><b>FY 2014 Plans:</b> N/A</p>			
<p><b>Title:</b> Program Management Admisistration</p> <p><b>Description:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>FY 2012 Accomplishments:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>FY 2013 Plans:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>FY 2014 Plans:</b> N/A</p>	0.082	0.174	0.000
<b>Accomplishments/Planned Programs Subtotals</b>	15.631	5.804	0.000

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

Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• O&M: BA01: AFPE 0207701F: <i>Full Combat Mission Training</i>	173.305	215.773	270.885		270.885	273.842	262.008	266.166	270.954	Continuing	Continuing
<b>Remarks</b>											

**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

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APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	PE 0207701F: <i>Full Combat Mission Training</i>	655012: <i>Full Combat Mission Training</i>

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 National Defense Authorization Act (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 Mission Training Center (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 Full Combat Mission Training (FCMT) funds to ensure compatibility with the DMO-LVC environment.

**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 2014 Air Force** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>
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<b>Product Development (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Cross Domain Solutions, DMO Capabilities	C/Various	AFLCMC/WNS AFMC:Dayton, OH	-	5.643	Jan 2012	2.390	Jan 2013	0.000		-		0.000	Continuing	Continuing	
Enhanced DMO capabilities for F-22	SS/CPIF	AFLCMC/WWUS AFMC - F-22:Dayton, OH	-	4.693	Aug 2012	3.040	Aug 2013	0.000		-		0.000	Continuing	Continuing	
Enhanced DMO Capabilities for B-1, B-2 & Joint Terminal Control Training and Rehearsal System [JTC TRS]	SS/Various	AFLCMC/WNS AFMC:Dayton, OH	-	2.148	Dec 2011	0.200	Dec 2012	0.000		-		0.000	Continuing	Continuing	
<b>Subtotal</b>			0.000	12.484		5.630		0.000		0.000		0.000			

<b>Support (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Studies to Validate Warfighter Seasoning, Develop Objective Performance Enhansment, Identify Training and Rehearsal Gaps	C/CPFF	Air Force Research Lab, 711 Human Performance Wing, Human:Dayton, OH	-	3.065	Jan 2012	0.000		0.000		-		0.000	0.000	3.065	25.058
<b>Subtotal</b>			0.000	3.065		0.000		0.000		0.000		0.000	0.000	3.065	25.058

<b>Test and Evaluation (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000



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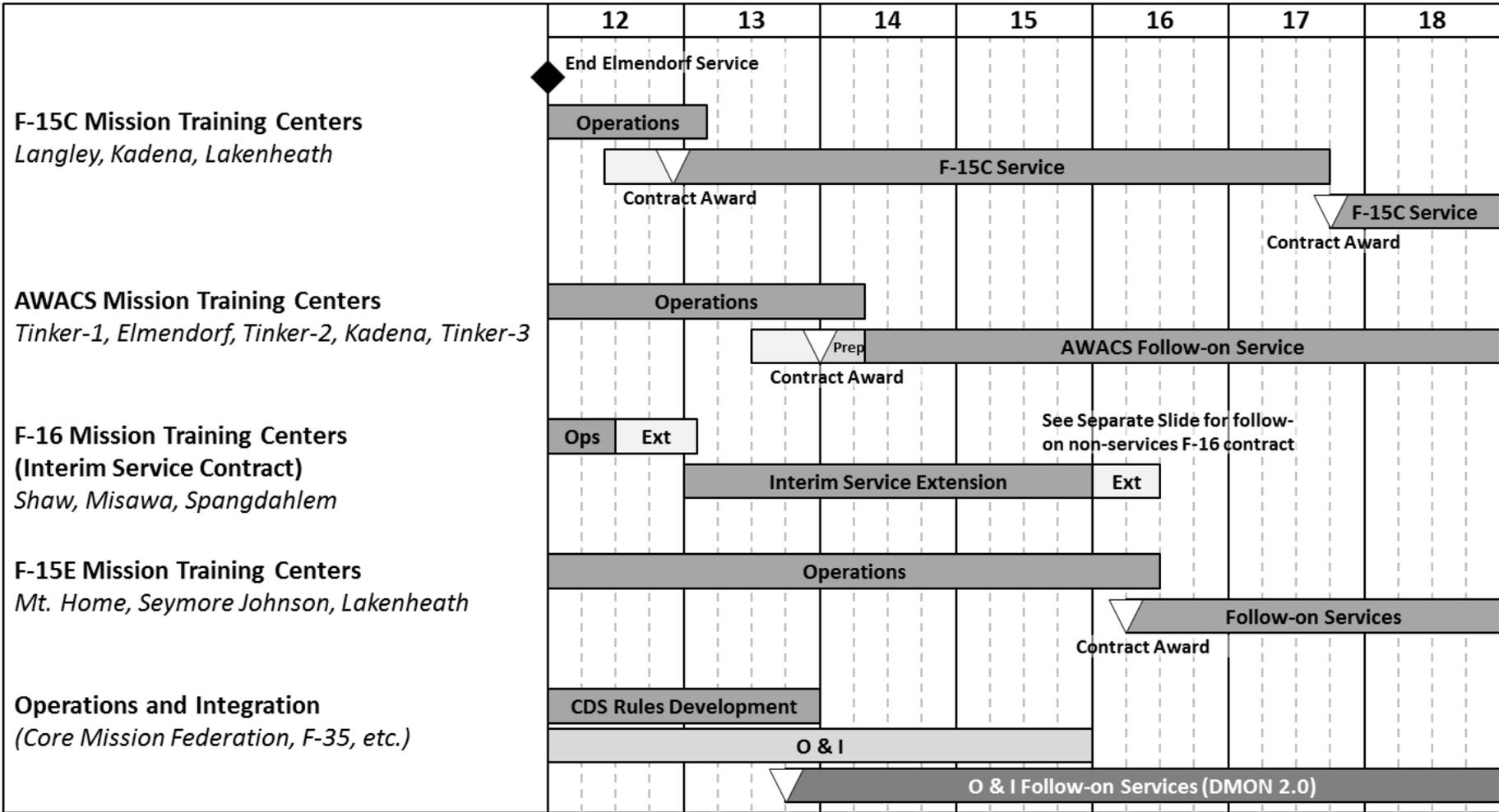
<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 Air Force		<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>

	12	13	14	15	16	17	18
<b>F-22 Mission Training Centers Modifications</b>	▽ Install DMO (Elmendorf)				▽ Install DMO (Hickam)		
	Operations						
<b>B-2 Weapons System Trainer Modifications: Whiteman</b>	Develop/Test ▾						
		Visual System Upgrade					
	Production/Fielding ▾		Install Complete				
	Operations						
			MLS Network				

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**Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>
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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Air Force		<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655012: <i>Full Combat Mission Training</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
F-22 DMO Development Complete	1	2012	4	2013
F-22 Install Hickam	4	2015	4	2015
B-2 Mod kits installed	4	2013	4	2013
DMO Operations and Integration Cross Domain Solutions ( Core Mission Federation, F-35,etc )	2	2012	4	2018
F-15E MTC Sole Source Contract Award (O&M)	2	2016	2	2016
AWACS MTC Sole Source Contract Award (O&M)	4	2013	4	2013

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**Exhibit R-2A, RDT&E Project Justification:** PB 2014 Air Force **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655354: <i>F-16 Block 40/50 MTC</i>
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
655354: <i>F-16 Block 40/50 MTC</i>	-	13.286	9.057	4.663	-	4.663	10.926	12.922	8.818	8.976	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012  
<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

**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. This 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.

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

	FY 2012	FY 2013	FY 2014
<p><b>Title:</b> F-16 MTC R&amp;D</p> <p><b>Description:</b> 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</p> <p><b>FY 2012 Accomplishments:</b> F-16 MTC development, test and fielding</p> <p><b>FY 2013 Plans:</b> Development, test and fielding F-16 MTC concurrency modifications</p> <p><b>FY 2014 Plans:</b> Development, test and fielding F-16 MTC concurrency modifications</p>	13.045	8.930	4.312
<p><b>Title:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>Description:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>FY 2012 Accomplishments:</b> Program Office Support, Contract Service and Government Costs</p> <p><b>FY 2013 Plans:</b></p>	0.241	0.127	0.351

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Air Force	<b>DATE:</b> April 2013
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655354: <i>F-16 Block 40/50 MTC</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2012	FY 2013	FY 2014
Program Office Support, Contract Service and Government Costs			
<b><i>FY 2014 Plans:</i></b> Program Office Support, Contract Service and Government Costs			
<b>Accomplishments/Planned Programs Subtotals</b>	13.286	9.057	4.663

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF: BA05: Line Item # OTHACF: <i>Other Aircraft</i>	1.098	1.566	0.918		0.918	2.778	2.502	1.919	1.954	Continuing	Continuing
• APAF: B06: Line item # 000999: <i>Initial Spares/Repair Parts</i>	3.238	1.400	0.206		0.206	0.288	0.231	0.209	0.213	Continuing	Continuing
• APAF: BA07: Line Item # OTHACF: <i>Other Aircraft</i>	23.255	9.522	0.000		0.000	0.027	0.000	0.000	0.000	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**  
F-16 Block 40/50 MTCs are being developed and fielded under a competitively awarded Federal Acquisition Regulations (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.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655354: <i>F-16 Block 40/50 MTC</i>
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<b>Product Development (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Trainer Development	C/Various	L3 Comm, Link Simulation & Training:Arlington, TX	-	13.045	Dec 2011	8.930	Dec 2012	4.312	Dec 2013	-		4.312	Continuing	Continuing	
<b>Subtotal</b>			0.000	13.045		8.930		4.312		0.000		4.312			

<b>Support (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

<b>Test and Evaluation (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

<b>Management Services (\$ in Millions)</b>				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Administration	C/FFP	AFLCMC/WNS AFMC:Dayton, OH	-	0.241	Dec 2011	0.127	Dec 2012	0.351	Dec 2013	-		0.351	Continuing	Continuing	
<b>Subtotal</b>			0.000	0.241		0.127		0.351		0.000		0.351			

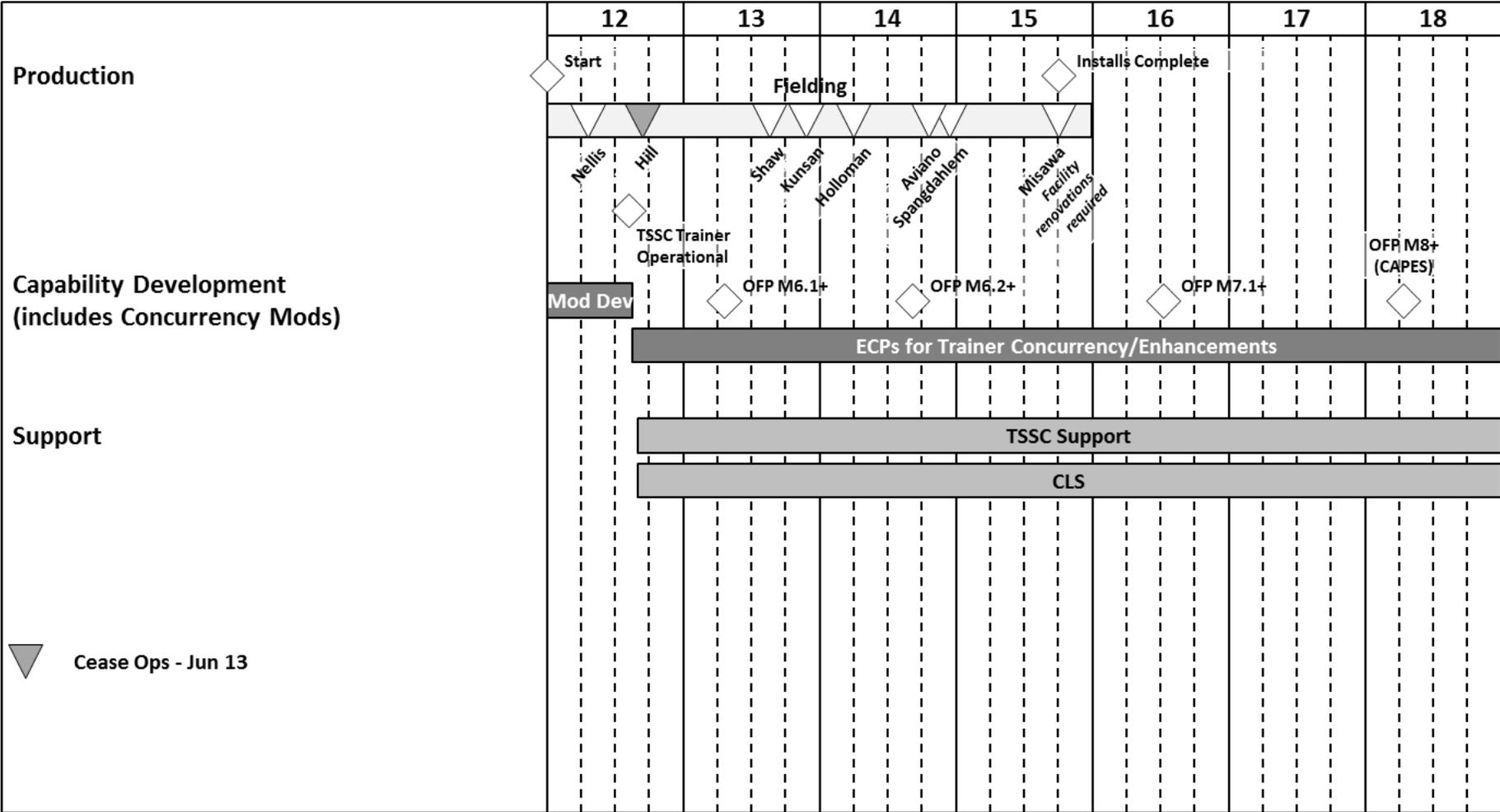
			All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			0.000	13.286	9.057	4.663	0.000	4.663			

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force** **DATE:** April 2013

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655354: <i>F-16 Block 40/50 MTC</i>
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**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Air Force		<b>DATE:</b> April 2013
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207701F: <i>Full Combat Mission Training</i>	<b>PROJECT</b> 655354: <i>F-16 Block 40/50 MTC</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Design/Develop/Test F-16 MTC, including concurrency mods	1	2012	4	2018
MTC Nellis AFB NV Fielded	2	2012	2	2012
MTC Hill AFB UT Fielded	3	2012	3	2012
MTC Shaw AFB SC Fielded	3	2013	3	2013
MTC Kunsan AB ROK Fielded	4	2013	4	2013
MTC Holloman AFB NM Fielded	2	2014	2	2014
MTC Aviano AB IT Fielded	4	2014	4	2014
MTC Spangdahlem AB GE Fielded	4	2014	4	2014
MTC Misawa AB JP Fielded	3	2015	3	2015